



SITE INFORMATION

**Revised Deferral Report
Ross Draw 8 Fed CTB
Eddy County, New Mexico
Unit B Sec 8 T26S R31E
Incident #: NAPP2128059178
32.063748°, -103.79907°**

**Produced Water Release
Point of Release: Hose connection failure
Release Date: 10/4//2021
Volume Released: 62 barrels of Produced Water
Volume Recovered: 0 barrels of Produced Water**

CARMONA RESOURCES



**Prepared for:
EOG Resources, Inc
5509 Champions Dr.
Midland, TX 79706**

**Prepared by:
Carmona Resources, LLC
310 West Wall Street
Suite 415
Midland, Texas 79701**



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December 9, 2022

Mike Bratcher
District Supervisor
Oil Conservation Division, District 2
811 S. First Street
Artesia, New Mexico 88210

**Re: Revised Deferral Report
Ross Draw 8 Federal CTB
EOG Resources, Inc
Site Location: Unit B, S08, T26S, R31E
(Lat 32.063748°, Long -103.79907°)
Eddy County, New Mexico**

Mr. Bratcher:

On behalf of EOG Resources Inc. (EOG), Carmona Resources, LLC has prepared this letter to document site assessment activities for the Ross Draw 8 Federal CTB. The site is located at 32.063748°, -103.79907° within Unit B, S08, T26S, R31E, and in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on October 4, 2021, caused by a hose connection failure. It resulted in the release of approximately sixty-two (62) barrels of produced water. There were zero (0) barrels of produced water were recovered. The initial C-141 form is attached in Appendix C. See Figure 3.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there is one known monitoring well within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.46 miles South of the site in S08, T26S, R31E and was drilled in 1977. The well has a reported depth to groundwater of 300' feet below the ground surface (ft bgs).

On November 4, 2021, a third-party consultant was granted landowner permission to gauge the depth of groundwater in the water well. Due to downhole hosing and lines inside the water well casing, the personnel onsite could only lower the instrumentation to a depth of 150 feet bgs. Groundwater was not encountered depth to groundwater in the area is greater than 100 feet. A copy of the associated Summary Report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

Per the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria were utilized in assessing the site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO + DRO).
- Chloride: 10,000 mg/kg.



4.0 Remediation Activities

December 1, 2021, Confirmation Sampling Event

A third-party consultant personnel was onsite to oversee excavation activities and collect confirmation samples. The third-party consultant collected confirmation samples from five excavation areas. A total of 129 composite samples were collected. The confirmation samples were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E.

All confirmation floor samples were below the regulatory requirements for TPH, BTEX, and chloride. Refer to the table. However, twelve sidewall samples (EX-1 W7, EX-3 W1, EX-3 W2, EX-4 W1, EX-4 W2, EX-4 W3, EX-4 W4, EX-5 W1, EX-5 W2, EX-5 W3, EX-5 W4, EX-5 W5) showed high chloride values ranging from 820 mg/kg to 6,540 mg/kg. The areas of EX-4 W-4 and EX-5 W-2 sidewall samples also had high TPH values of 110 mg/kg and 134 mg/kg. Refer to the table. The excavation depths and confirmation sample locations are shown in Figure 4A-4C.

March 7 – 11, 2022, Confirmation Sampling Event

The third-party consultant was back on location to oversee the excavation and removal of the sidewalls that were not below the regulatory limits from the sampling event that occurred on December 1, 2021. A total of 34 composite confirmation floor and sidewall were collected 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E.

The areas of confirmation floor samples N-1 and NEF-1 showed high chloride concentrations of 610 mg/kg and 1,590 mg/kg. The areas of sidewalls SW-1, SW-2, SW-6, SW-8, NW-1, NW-2, and NEW-1 showed high chloride concentrations ranging from 610 mg/kg to 2,640 mg/kg. Refer to the table. The excavation depths and confirmation sample locations are shown in Figure 4A-4C.

March 29, 2022, Confirmation Sampling Event

The third-party consultant was back on location to oversee the excavation and removal of the sidewalls that were not below the regulatory limits from the sampling event that occurred on March 7 - 11, 2022. A total of 34 composite confirmation floor and sidewall were collected 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E.

All confirmation floor samples and sidewall samples were below the regulatory requirements for TPH, BTEX, and chloride. Refer to the table. The excavation depths and confirmation sample locations are shown in Figure 4A-4C.

Deferment Area

The areas of confirmation floor samples (NEF-1 and N-1) and sidewall samples (NEW-1, NW-1, NW-2, Excavation-5 W-2, Excavation-5 W-3, Excavation-5 W-4, and Excavation-5 W-5) showed high chloride concentrations ranging from 610 mg/kg to 2,210 mg/kg. Refer to the table. The deferment area and the sample points that are still above the regulatory limits are shown in Figure 5. Once the equipment is removed, those areas will be evaluated further.



Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 5,177 cubic yards of material were excavated and transported offsite for proper disposal.

5.0 Conclusions

Based on the area, the onsite equipment, lines, and encroaching into the integrity of the steel-lined facility, EOG requests to defer the chloride impact until site abandonment around the facility infrastructure and surface equipment area. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992

Sincerely,

Carmona Resources, LLC

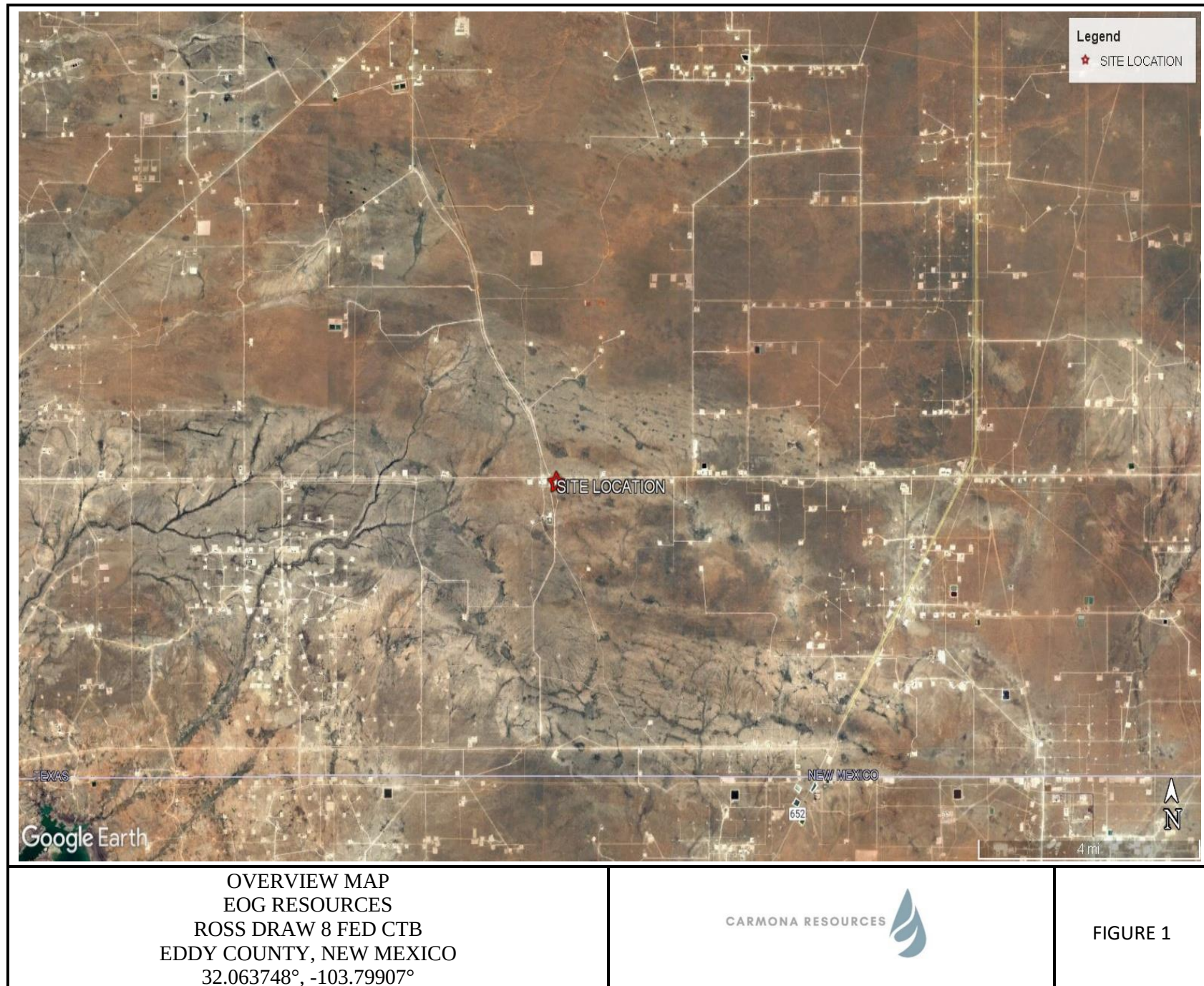
Mike Carmona
Environmental Manager

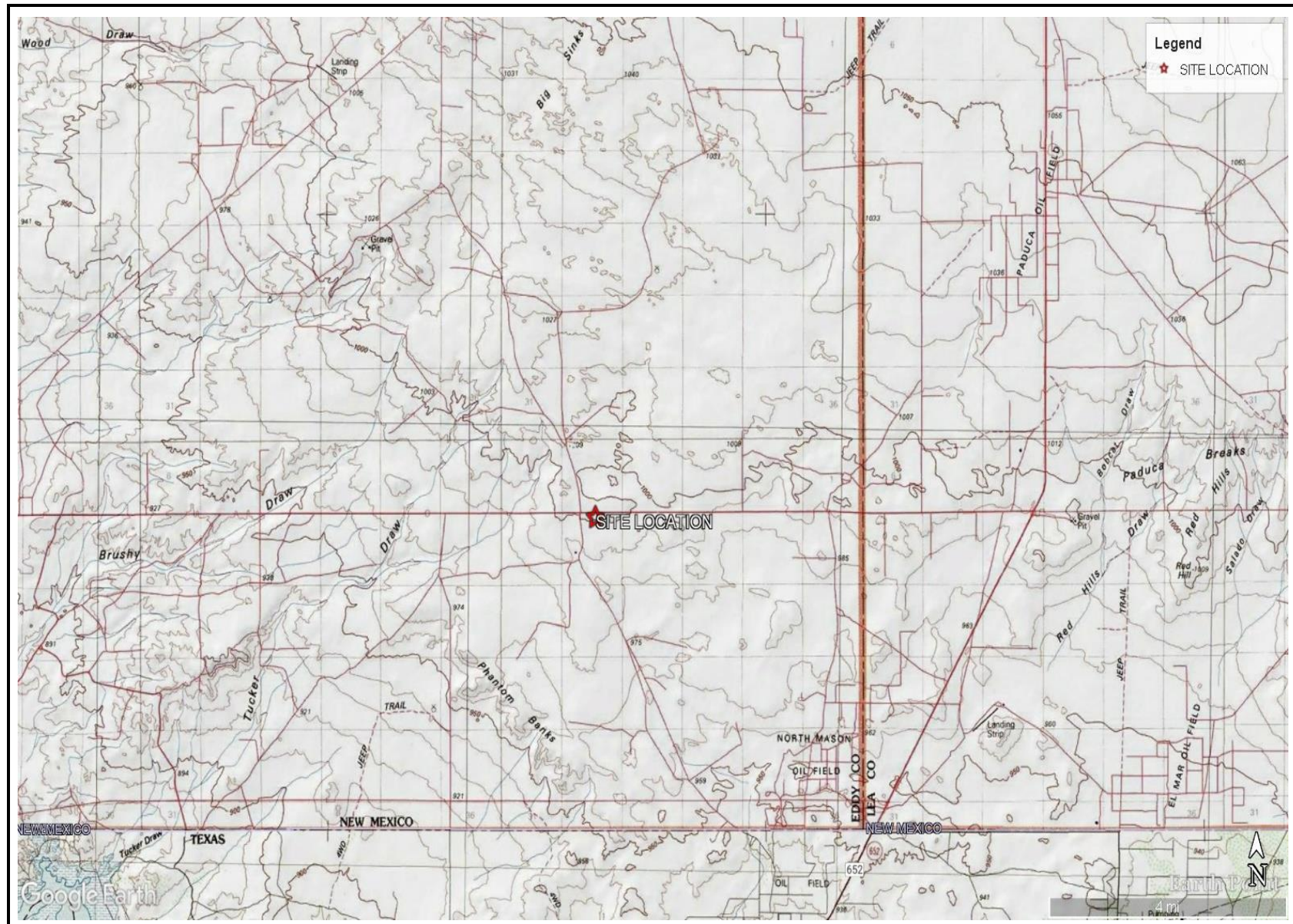
Conner Moehring
Sr. Project Manager

FIGURES

CARMONA RESOURCES



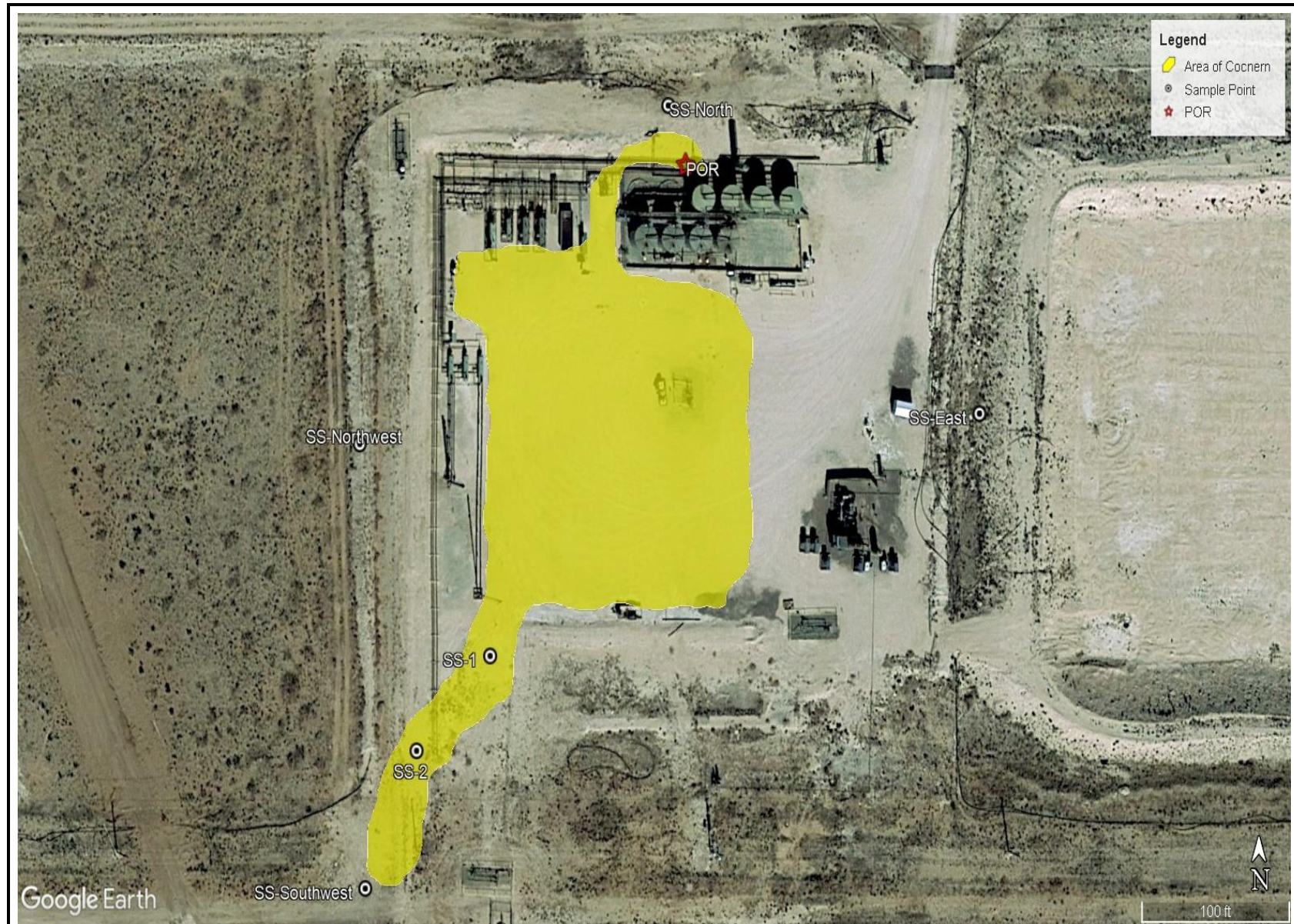




TOPOGRAPHIC MAP
EOG RESOURCES
ROSS DRAW 8 FED CTB
EDDY COUNTY, NEW MEXICO
32.063748°, -103.79907°



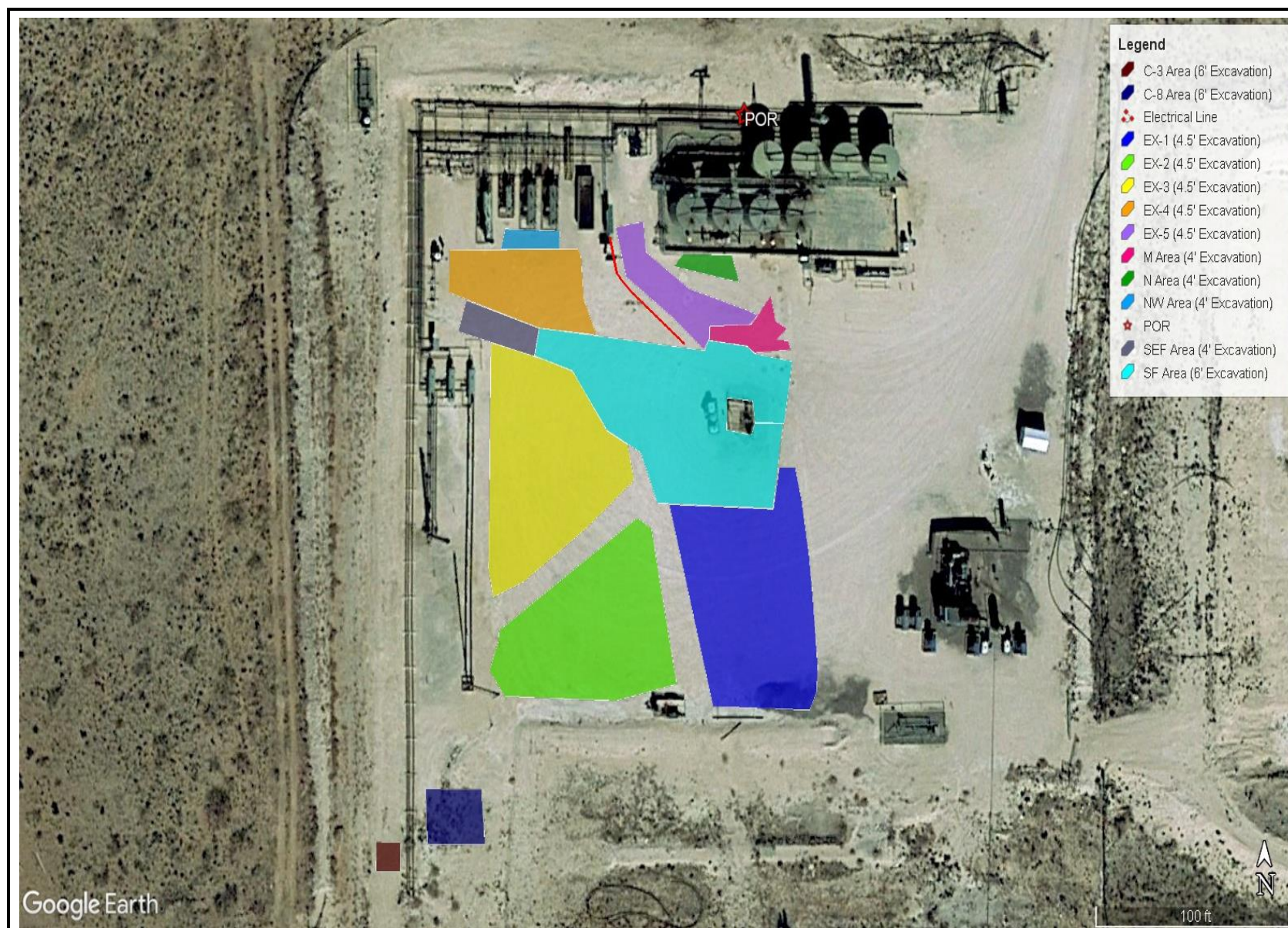
FIGURE 2



SAMPLE LOCATION MAP
EOG RESOURCES
ROSS DRAW 8 FED CTB
EDDY COUNTY, NEW MEXICO
32.063748°, -103.79907°



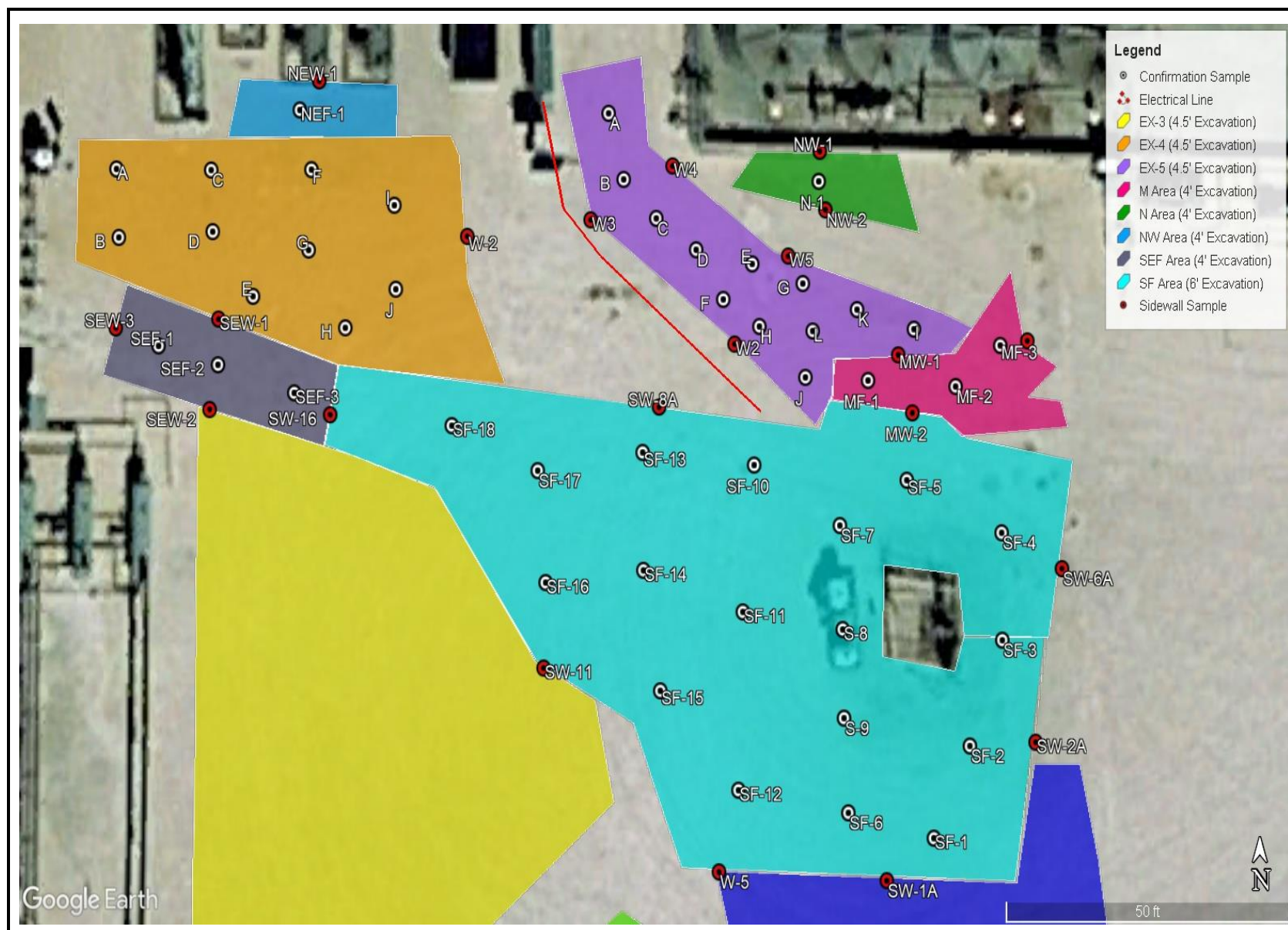
FIGURE 3



EXCAVATION DEPTH MAP OVERVIEW
 EOG RESOURCES
 ROSS DRAW 8 FED CTB
 EDDY COUNTY, NEW MEXICO
 32.063748°, -103.79907°



FIGURE 4



EXCAVATION DEPTH MAP NORTH PAD
EOG RESOURCES
ROSS DRAW 8 FED CTB
EDDY COUNTY, NEW MEXICO
32.063748°, -103.79907°



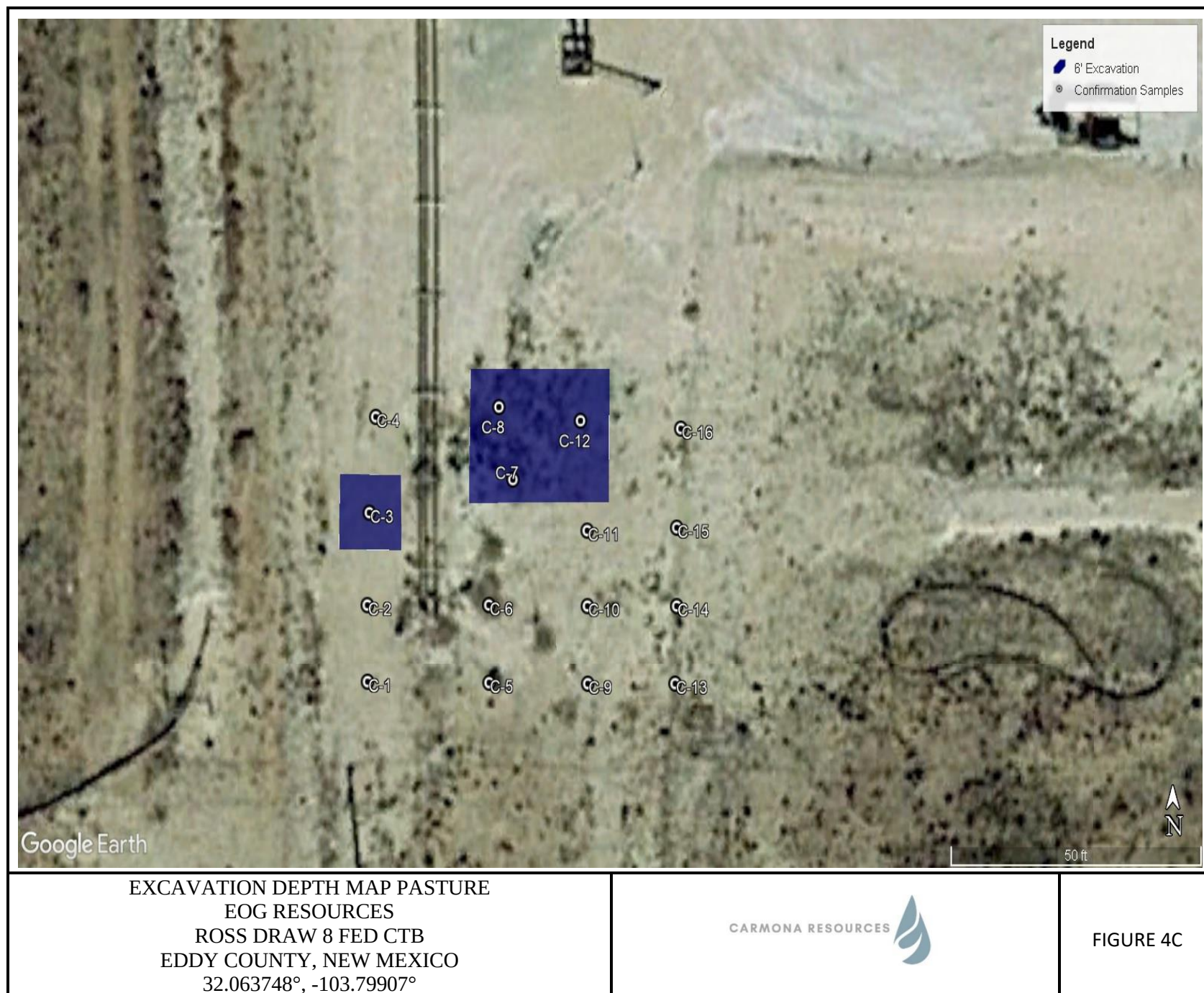
FIGURE 4A

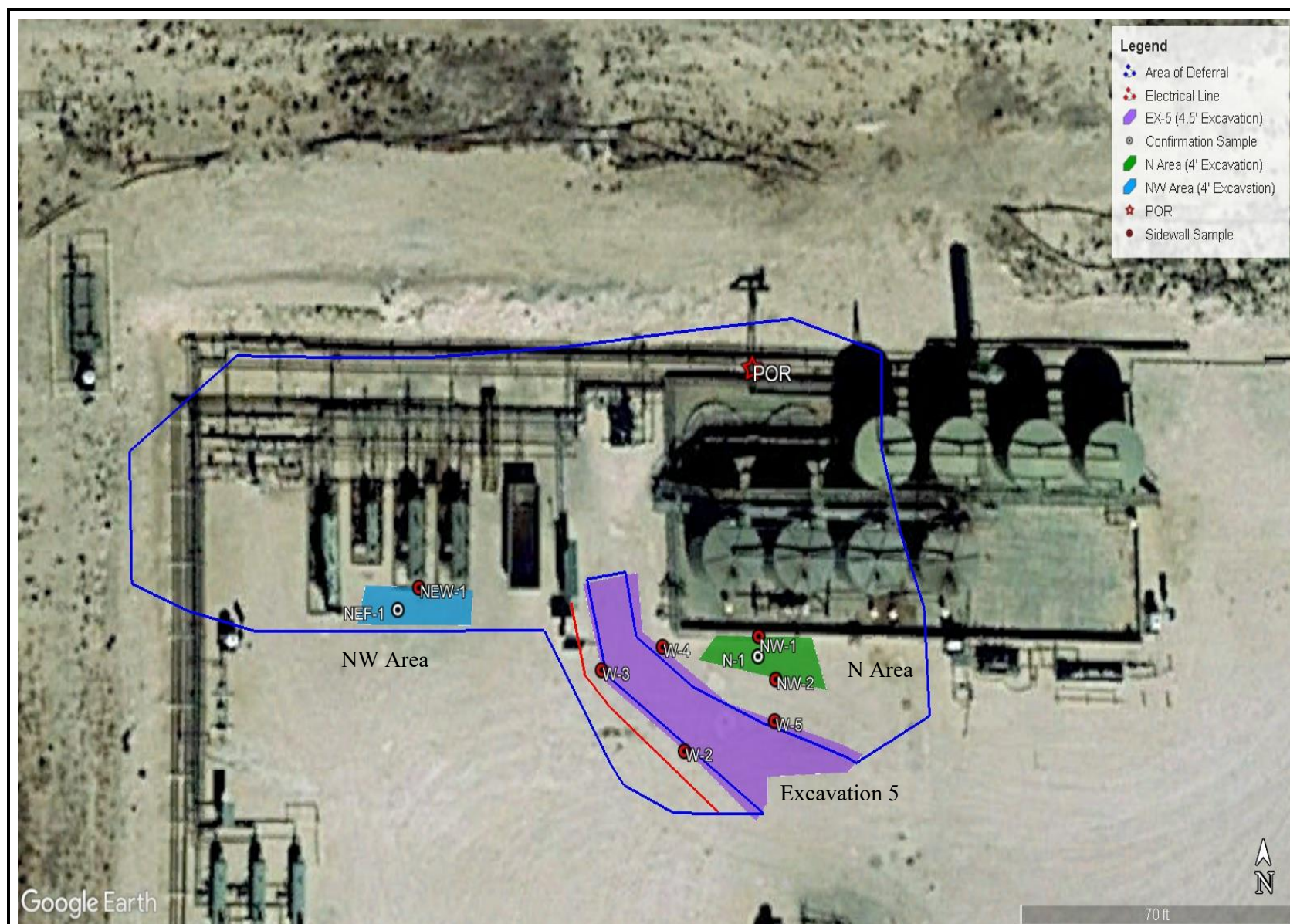


EXCAVATION DEPTH MAP SOUTH PAD
EOG RESOURCES
ROSS DRAW 8 FED CTB
EDDY COUNTY, NEW MEXICO
32.063748°, -103.79907°



FIGURE 4B





DEFERRAL MAP
EOG RESOURCES
ROSS DRAW 8 FED CTB
EDDY COUNTY, NEW MEXICO
32.063748°, -103.79907°



FIGURE 5

APPENDIX A

CARMONA RESOURCES



SOIL BTEX (EPA 8021), TPH (SW 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA
EOG MIDLAND
ROSS DRAW 8 FEDERAL CTB

All values presented in parts per million (mg/Kg)

SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
Assessment Samples Collected Between 12/1/2021 and 1/14/2022													
Excavation #1													
Sidewall Samples - 19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)													
EX-1 W1	12/1/2021	0-4'	0.000855J	0.000890J	0.000835J	0.00191J	0.00449	17.5J	19.3J	<15.0	36.8J	36.8J	37.3
EX-1 W2	12/1/2021	0-4'	<0.000383	0.000584J	<0.000563	<0.00101	<0.00101	17.1J	18.5J	<15.0	35.6J	35.6J	40.3
EX-1 W3	12/1/2021	0-4'	0.000566J	0.000877J	<0.000570	<0.00102	0.00179J	<15.0	20.0J	<15.0	20.0J	20.0J	86.9
EX-1 W4	12/1/2021	0-4'	<0.000383	<0.000453	<0.000562	<0.00100	<0.00100	<15.0	18.3J	<15.0	18.3J	18.3J	354
EX-1 W5	12/1/2021	0-4'	<0.000387	<0.000458	<0.000567	<0.00101	<0.00101	17.5J	18.9J	<15.0	36.4J	36.4J	368
EX-1 W6	12/1/2021	0-4'	0.000451J	<0.000458	<0.000567	<0.00101	<0.00101	19.6J	18.5J	<15.0	38.1J	38.1J	423
EX-1 W7	12/1/2021	0-4'	<0.000384	<0.000455	<0.000564	<0.00101	<0.00101	15.0J	20.2J	<14.9	35.2J	35.2J	6,540
Excavation Base Samples - 19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW > 100')													
EX-1 A	12/1/2021	4.5'	<0.000382	<0.000452	<0.000561	0.00112J	0.00112J	16.9J	16.5J	35.1J	33.4	68.5	48.7
EX-1 B	12/1/2021	4.5'	<0.000385	0.000644J	<0.000565	0.00105J	0.00169J	<15.0	<15.0	<15.0	<15.0	<15.0	466
EX-1 C	12/1/2021	4.5'	<0.000381	<0.000451	<0.000559	<0.00100	<0.00100	16.7J	15.7J	<15.0	32.4J	32.4J	519
EX-1 D	12/1/2021	4.5'	<0.000388	<0.000460	<0.000570	<0.00102	<0.00102	17.7J	<15.0	<15.0	17.7J	17.7J	723
EX-1 E	12/1/2021	4.5'	<0.000383	<0.000453	<0.000562	<0.00100	<0.00100	21.0J	25.6J	<14.9	46.6J	46.6J	808
EX-1 F	12/1/2021	4.5'	<0.000387	<0.000458	<0.000567	<0.00101	<0.00101	25.6J	24.1J	<15.0	49.7J	49.7J	308
EX-1 G	12/1/2021	4.5'	0.000394J	<0.000456	<0.000565	0.00159J	0.00199J	32.3J	21.2J	<14.9	53.5	53.5	235
EX-1 H	12/1/2021	4.5'	<0.000384	0.000481J	<0.000564	<0.00101	<0.00101	34.9J	17.2J	<15.0	52.1	52.1	136
EX-1 I	12/1/2021	4.5'	<0.000388	<0.000460	<0.000570	<0.00102	<0.00102	25.8J	18.1J	<15.0	43.9J	43.9J	124
EX-1 J	12/1/2021	4.5'	<0.000383	<0.000454	<0.000563	<0.00101	<0.00101	28.8J	18.0J	<15.0	46.8J	46.8J	118
EX-1 K	12/1/2021	4.5'	<0.000387	0.000818J	<0.000567	<0.00101	0.00138J	23.3J	17.3J	<15.0	40.6J	40.6J	401
EX-1 L	12/1/2021	4.5'	<0.000386	<0.000457	<0.000566	<0.00101	<0.00101	23.8J	18.8J	<15.0	42.6J	42.6J	463
EX-1 M	12/1/2021	4.5'	<0.000386	<0.000457	0.000883J	<0.00101	<0.00101	30.3J	19.6J	<15.0	49.9	49.9	121
EX-1 N	12/1/2021	4.5'	<0.000385	0.000594J	<0.000565	<0.00101	<0.00101	30.1J	17.7J	<15.0	47.8J	47.8J	141
EX-1 O	12/1/2021	4.5'	<0.000381	0.000578J	<0.000559	<0.00100	<0.00100	28.0J	17.2J	<15.0	45.2J	45.2J	25.7
EX-1 P	12/1/2021	4.5'	<0.000382	<0.000452	<0.000561	<0.00100	<0.00100	33.8J	19.5J	<15.0	53.3	53.3	257
EX-1 Q	12/1/2021	4.5'	<0.000383	0.000673J	<0.000563	<0.00101	0.00119J	29.0J	20.0J	<14.9	49.0J	49.0J	180
EX-1 R	12/1/2021	4.5'	<0.000383	<0.000454	<0.000563	<0.00101	<0.00101	37.2J	18.9J	<15.0	56.1	56.1	158
EX-1 S	12/1/2021	4.5'	<0.000388	<0.000460	<0.000570	<0.00102	<0.00102	36.5J	18.9J	<15.0	55.4	55.4	356
EX-1 T	12/1/2021	4.5'	<0.000383	<0.000453	<0.000562	<0.00100	<0.00100	29.6J	16.3J	<15.0	45.9J	45.9J	87.2
EX-1 U	12/1/2021	4.5'	<0.000388	0.000634J	0.000575J	0.00195J	0.00316J	36.5J	<15.0	<15.0	36.5J	36.5J	254
EX-1 V	12/1/2021	4.5'	0.000594J	0.000976J	<0.000563	<0.00101	0.00223J	<15.0	<15.0	<15.0	<15.0	<15.0	208
EX-1 W	12/1/2021	4.5'	<0.000383	<0.000454	<0.000563	<0.00101	<0.00101	<15.0	16.5J	<15.0	16.5J	16.5J	151
EX-1 X	12/1/2021	4.5'	0.000470J	0.000757J	<0.000565	<0.00101	0.00123J	21.3J	<15.0	<15.0	21.3J	21.3J	349
EX-1 Y	12/1/2021	4.5'	<0.000387	<0.000458	<0.000567	<0.00101	<0.00101	<14.9	15.5J	<14.9	15.5J	15.5J	222
EX-1 Z	12/1/2021	4.5'	<0.000383	<0.000453	<0.000562	<0.00100	<0.00100	25.5J	15.9J	<15.0	41.4J	41.4J	111
EX-1 AA	12/1/2021	4.5'	0.000779J	<0.000459	0.000620J	<0.00102	0.00140J	<14.9	17.4J	<14.9	17.4J	17.4J	345
EX-1 BB	12/1/2021	4.5'	<0.000386	<0.000457	<0.000566	<0.00101	<0.00101	<15.0	16.8J	<15.0	16.8J	16.8J	86.1
EX-1 CC	12/1/2021	4.5'	0.000500J	0.000521J	<0.000566	<0.00101	0.00102J	<15.0	17.1J	<15.0	17.1J	17.1J	290
EX-1 DD	12/1/2021	4.5'	0.000404J	0.000765J	<0.000565	<0.00101	0.00117J	<15.0	17.6J	<15.0	17.6J	17.6J	705

SOIL BTEX (EPA 8021), TPH (SW 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA
EOG MIDLAND
ROSS DRAW 8 FEDERAL CTB

All values presented in parts per million (mg/Kg)

SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
Excavation #2													
Sidewall Samples - 19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)													
EX-2 W1	12/1/2021	0-4'	0.000715J	0.00189J	<0.000568	0.00412	0.00673	47.0J *1	33.9J	<15.0	80.9	80.9	52.9
EX-2 W2	12/1/2021	0-4'	<0.000384	<0.000455	<0.000564	<0.00101	<0.00101	41.6J *1	30.7J	<15.0	72.3	72.3	132
EX-2 W3	12/1/2021	0-4'	<0.000383	<0.000453	<0.000562	<0.00100	<0.00100	17.4J	32.4J	<15.0	49.8J	49.8J	180
EX-2 W4	12/1/2021	0-4'	<0.000389	<0.000461	<0.000571	<0.00102	<0.00102	20.9J	31.7J	<15.0	52.6	52.6	540
EX-2 W5	12/1/2021	0-4'	<0.000389	<0.000461	<0.000571	<0.00102	<0.00102	23.4J	30.8J	<15.0	54.2	54.2	7.66
Excavation Base Samples - 19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW > 100')													
EX-2 A	12/1/2021	4.5'	<0.000382	0.000616J	<0.000561	<0.00100	0.00123J	15.3J	17.3J	<15.0	32.6J	32.6J	130
EX-2 B	12/1/2021	4.5'	<0.000385	<0.000456	<0.000565	<0.00101	<0.00101	<15.0	18.6J	<15.0	18.6J	18.6J	92.1
EX-2 C	12/1/2021	4.5'	<0.000383	<0.000453	<0.000562	<0.00100	<0.00100	19.2J	18.7J	<15.0	37.9J	37.9J	172
EX-2 D	12/1/2021	4.5'	0.000611J F1	0.000919J F1	<0.000566	<0.00101	0.00210J	47.2J *1	46.7J	38.9J	93.9	133	120
EX-2 E	12/1/2021	4.5'	<0.000383	<0.000454	<0.000563	<0.00101	<0.00101	28.7J *1	49.2J	<15.0	77.9	77.9	199
EX-2 F	12/1/2021	4.5'	<0.000385	<0.000456	<0.000565	<0.00101	<0.00101	31.6J *1	39.7J	<15.0	71.3	71.3	188
EX-2 G	12/1/2021	4.5'	<0.000384	<0.000455	<0.000564	<0.00101	<0.00101	30.4J *1	37.5J	<15.0	67.9	67.9	79.1
EX-2 H	12/1/2021	4.5'	<0.000384	<0.000455	<0.000564	<0.00101	<0.00101	40.3J *1	41.5J	<14.9	81.8	81.8	83.2
EX-2 I	12/1/2021	4.5'	<0.000387	<0.000458	<0.000567	<0.00101	<0.00101	35.1J *1	52.7	<15.0	87.8	87.8	86.4
EX-2 J	12/1/2021	4.5'	0.000453J	<0.000455	<0.000564	<0.00101	<0.00101	<14.9	42.3J	<14.9	42.3J	42.3J	212
EX-2 K	12/1/2021	4.5'	<0.000382	0.000759J	<0.000561	<0.00100	<0.00100	46.7J *1	44.7J	<15.0	91.4	91.4	73
EX-2 L	12/1/2021	4.5'	<0.000385	<0.000456	0.000587J	<0.00101	<0.00101	43.1J *1	40.9J	<15.0	84.0	84.0	36
EX-2 M	12/1/2021	4.5'	0.000669J	<0.000453	<0.000562	<0.00100	0.00104J	44.5J *1	38.4J	<15.0	82.9	82.9	90.5
EX-2 N	12/1/2021	4.5'	0.00105J	0.000850J	<0.000567	<0.00101	0.00190J	47.1J *1	36.9J	<15.0	84.0	84.0	35.7
EX-2 O	12/1/2021	4.5'	0.000872J	0.00176J	<0.000559	0.00155J	0.00418	46.2J *1	35.4J	<15.0	81.6	81.6	19.4
EX-2 P	12/1/2021	4.5'	<0.000382	<0.000452	<0.000561	<0.00100	<0.00100	49.3J *1	28.7J	<15.0	78.0	78.0	45
EX-2 Q	12/1/2021	4.5'	0.000701J	<0.000452	<0.000561	<0.00100	<0.00100	48.4J *1	30.1J	<15.0	78.5	78.5	203
EX-2 R	12/1/2021	4.5'	<0.000385	0.000581J	<0.000565	<0.00101	0.00136J	43.7J *1	31.0J	<15.0	74.7	74.7	93.4
EX-2 S	12/1/2021	4.5'	<0.000383	<0.000453	<0.000562	<0.00100	<0.00100	45.9J *1	29.0J	<15.0	74.9	74.9	19.1
EX-2 T	12/1/2021	4.5'	<0.000386	<0.000457	<0.000566	<0.00101	<0.00101	45.2J *1	31.3J	<14.9	76.5	76.5	227
EX-2 U	12/1/2021	4.5'	<0.000383	<0.000454	<0.000563	<0.00101	<0.00101	45.3J *1	46.8J	<15.0	92.1	92.1	65.9
Excavation #3													
Sidewall Samples - 19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)													
EX-3 W1	12/1/2021	0-4'	<0.000386	0.000802J	<0.000566	<0.00101	0.00118J	<15.0	<15.0	<15.0	<15.0	<15.0	1,770
EX-3 W2	12/1/2021	0-4'	<0.000387	<0.000459	<0.000568	<0.00102	<0.00102	<15.0	<15.0	<15.0	<15.0	<15.0	1,400
EX-3 W3	12/1/2021	0-4'	<0.000385	<0.000456	<0.000565	<0.00101	<0.00101	<15.0	<15.0	<15.0	<15.0	<15.0	309
EX-3 W4	12/1/2021	0-4'	<0.000384	<0.000455	<0.000564	<0.00101	<0.00101	<15.0	<15.0	<15.0	<15.0	<15.0	370
EX-3 W5	12/1/2021	0-4'	0.000527J	0.00100J	0.000774J	0.00175J	0.00405	<15.0	<15.0	<15.0	<15.0	<15.0	112F1
EX-3 W6	12/1/2021	0-4'	0.00141J	0.00176J	<0.000561	0.00196J	0.00513	17.9J	<15.0	<15.0	17.9J	17.9J	156
EX-3 W7	12/1/2021	0-4'	0.000679J	<0.000454	0.00171J	<0.00101	0.00307J	20.5J	<15.0	<15.0	20.5J	20.5J	156
Excavation Base Samples - 19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW > 100')													
EX-3 A	12/1/2021	4.5'	<0.000383	<0.000454	<0.000563	<0.00101	<0.00101	27.2J	31.0J	<15.0	58.2	58.2	496F1
EX-3 B	12/1/2021	4.5'	<0.000385	<0.000456	<0.000565	<0.00101	<0.00101	23.0J	34.6J	<14.9	57.6	57.6	329
EX-3 C	12/1/2021	4.5'	<0.000381	<0.000451	<0.000559	<0.00100	<0.00100	25.7J	39.6J	<15.0	65.3	65.3	241
EX-3 D	12/1/2021	4.5'	<0.000382	<0.000452	<0.000561	<0.00100	<0.00100	37.5J	33.6J	<14.9	71.1	71.1	47.6

SOIL BTEX (EPA 8021), TPH (SW 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA
EOG MIDLAND
ROSS DRAW 8 FEDERAL CTB

All values presented in parts per million (mg/Kg)

SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
EX-3 E	12/1/2021	4.5'	<0.000386	<0.000457	<0.000566	<0.00101	<0.00101	27.2J	31.2J	<15.0	58.4	58.4	29.9
EX-3 F	12/1/2021	4.5'	<0.000383	<0.000453	0.000981J	<0.00100	<0.00100	24.0J	31.4J	<15.0	55.4	55.4	452
EX-3 G	12/1/2021	4.5'	<0.000387	<0.000459	<0.000568	<0.00102	<0.00102	31.1J	33.2J	<15.0	64.3	64.3	270
EX-3 H	12/1/2021	4.5'	<0.000386	<0.000457	<0.000566	<0.00101	<0.00101	25.8J	76.0	<15.0	102	102	191
EX-3 I	12/1/2021	4.5'	0.000486J	<0.000458	<0.000567	<0.00101	<0.00101	24.1J	29.4J	<15.0	53.5	53.5	158
EX-3 J	12/1/2021	4.5'	<0.000387	<0.000458	<0.000567	<0.00101	<0.00101	22.3J	27.8J	<15.0	50.1	50.1	65
EX-3 K	12/1/2021	4.5'	<0.000389	<0.000461	<0.000571	<0.00102	<0.00102	16.0J	45.4J	<15.0	61.4	61.4	752
EX-3 L	12/1/2021	4.5'	0.000388J	0.000697J	<0.000566	<0.00101	0.00147J	16.6J	110	<15.0	127	127	337
EX-3 M	12/1/2021	4.5'	<0.000383	<0.000454	<0.000563	<0.00101	<0.00101	23.5J	56.1	<15.0	79.6	79.6	405
EX-3 N	12/1/2021	4.5'	<0.000389	<0.000461	<0.000571	<0.00102	<0.00102	22.9J	30.5J	<14.9	53.4	53.4	187
EX-3 O	12/1/2021	4.5'	0.000942J	<0.000460	<0.000570	<0.00102	<0.00102	19.5J	54.8	<15.0	74.3	74.3	183
EX-3 P	12/1/2021	4.5'	<0.000388	<0.000460	<0.000570	<0.00102	<0.00102	19.6J	32.7J	<15.0	52.3	52.3	422
EX-3 Q	12/1/2021	4.5'	0.000860J	0.000927J	<0.000570	<0.00102	0.00280J	22.6J	43.8J	<15.0	66.4	66.4	397
EX-3 R	12/1/2021	4.5'	<0.000383	<0.000453	<0.000562	<0.00100	<0.00100	<15.0	<15.0	<15.0	<15.0	<15.0	218
EX-3 S	12/1/2021	4.5'	<0.000385	0.00110J	<0.000565	<0.00101	0.00170J	<15.0	<15.0	<15.0	<15.0	<15.0	2,170
EX-3 T	12/1/2021	4.5'	<0.000383	<0.000454	<0.000563	<0.00101	<0.00101	<15.0	40.9J	<15.0	40.9J	40.9J	595
EX-3 U	12/1/2021	4.5'	0.00182J	0.00190J	<0.000570	0.00266J	0.00638	<15.0	<15.0	<15.0	<15.0	<15.0	397
EX-3 V	12/1/2021	4.5'	0.000788J	0.000679J	<0.000564	0.00102J	0.00249J	<14.9	<14.9	<14.9	<14.9	<14.9	193
EX-3 W	12/1/2021	4.5'	<0.000381	0.000570J	<0.000559	0.00111J	0.00168J	<15.0	<15.0	<15.0	<15.0	<15.0	585
EX-3 X	12/1/2021	4.5'	0.000647J	<0.000457	<0.000566	<0.00101	0.00131J	<14.9	<14.9	<14.9	<14.9	<14.9	208
EX-3 Y	12/1/2021	4.5'	<0.000387	0.000714J	<0.000567	<0.00101	0.00107J	<15.0	<15.0	<15.0	<15.0	<15.0	228
EX-3 Z	12/1/2021	4.5'	0.000988J	0.000588J	<0.000562	<0.00100	0.00158J	<15.0	<15.0	<15.0	<15.0	<15.0	205
EX-3 AA	12/1/2021	4.5'	0.00140J	0.00196J	<0.000570	0.00269J	0.00605	23.8J	<14.9	<14.9	23.8J	23.8J	142
EX-3 BB	12/1/2021	4.5'	<0.000383	<0.000453	<0.000562	0.00178J	0.00178J	21.6J	<15.0	<15.0	21.6J	21.6J	254
Excavation #4													
Sidewall Samples - 19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)													
EX-4 W1	12/1/2021	0-4'	0.000553J	<0.000458	<0.000567	<0.00101	<0.00101	25.4J	<15.0	<15.0	25.4J	25.4J	1,620
EX-4 W2	12/1/2021	0-4'	0.00191J	<0.000456	<0.000565	<0.00101	0.00191J	21.3J	<15.0	<15.0	21.3J	21.3J	822
EX-4 W3	12/1/2021	0-4'	0.00142J	<0.000459	<0.000568	<0.00102	0.00178J	18.3J	<15.0	<15.0	18.3J	18.3J	2,070
EX-4 W4	12/1/2021	0-4'	<0.000383	<0.000453	<0.000562	<0.00100	<0.00100	41.0J	69.2	<15.0	110	110	1,800
Excavation Base Samples - 19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW > 100')													
EX-4 A	12/1/2021	4.5'	<0.000386	0.00146J	<0.000566	0.00198J	0.00344J	47.4J	<15.0	<15.0	47.4J	47.4J	560
EX-4 B	12/1/2021	4.5'	<0.000387	<0.000459	<0.000568	<0.00102	<0.00102	41.5J	<15.0	<15.0	41.5J	41.5J	446
EX-4 C	12/1/2021	4.5'	<0.000389	<0.000461	<0.000571	<0.00102	<0.00102	22.9J	<15.0	<15.0	22.9J	22.9J	492
EX-4 D	12/1/2021	4.5'	0.000550J	<0.000452	<0.000561	<0.00100	<0.00100	16.1J	<15.0	<15.0	16.1J	16.1J	287
EX-4 E	12/1/2021	4.5'	<0.000385	<0.000456	<0.000565	0.00139J	0.00139J	16.4J	<15.0	<15.0	16.4J	16.4J	729
EX-4 F	12/1/2021	4.5'	<0.000384	<0.000455	<0.000564	<0.00101	<0.00101	17.0J	<15.0	<15.0	17.0J	17.0J	150
EX-4 G	12/1/2021	4.5'	0.000492J	<0.000454	<0.000563	<0.00101	<0.00101	15.8J	<14.9	<14.9	15.8J	15.8J	868
EX-4 H	12/1/2021	4.5'	<0.000388	<0.000460	<0.000570	<0.00102	<0.00102	<15.0	<15.0	<15.0	<15.0	<15.0	2,030
EX-4 I	12/1/2021	4.5'	<0.000383	<0.000453	<0.000562	<0.00100	<0.00100	16.4J	<14.9	<14.9	16.4J	16.4J	1,350
EX-4 J	12/1/2021	4.5'	<0.000387	0.00120J	0.00101J	<0.00101	0.00310J	21.1J	162	<15.0	183	183	660

SOIL BTEX (EPA 8021), TPH (SW 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA
EOG MIDLAND
ROSS DRAW 8 FEDERAL CTB

All values presented in parts per million (mg/Kg)

SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
Excavation #5													
Sidewall Samples - 19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)													
EX-5 W1	12/1/2021	0-4'	<0.000388	<0.000460	<0.000570	<0.00102	<0.00102	19.7J B	<14.9	<14.9	19.7J	19.7J	3,080
EX-5 W2	12/1/2021	0-4'	<0.000383	0.000653J	<0.000562	<0.00100	<0.00100	<15.0	134	<15.0	134	134	1,280
EX-5 W3	12/1/2021	0-4'	<0.000386	0.000976J	<0.000566	<0.00101	<0.00101	20.6J B	<14.9	<14.9	20.6J	20.6J	1,380
EX-5 W4	12/1/2021	0-4'	<0.000384	<0.000455	<0.000564	<0.00101	<0.00101	18.9J B	<15.0	<15.0	18.9J	18.9J	2,210
EX-5 W5	12/1/2021	0-4'	<0.000383	0.00310	<0.000563	<0.00101	0.00310J	18.2J B	<15.0	<15.0	18.2J	18.2J	1,040
Excavation Base Samples - 19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW > 100')													
EX-5 A	12/1/2021	4.5'	<0.000385	<0.000456	<0.000565	<0.00101	<0.00101	40.5J	<15.0	<15.0	40.5J	40.5J	453
EX-5 B	12/1/2021	4.5'	<0.000381	<0.000451	<0.000559	<0.00100	<0.00100	17.9J	<15.0	<15.0	17.9J	17.9J	200
EX-5 C	12/1/2021	4.5'	<0.000388	0.00128J	<0.000570	<0.00102	0.00128J	21.6J	<15.0	<15.0	21.6J	21.6J	309
EX-5 D	12/1/2021	4.5'	0.00136J	<0.000454	<0.000563	<0.00101	0.00136J	43.0J	<15.0	<15.0	43.0J	43.0J	471
EX-5 E	12/1/2021	4.5'	0.000413J	0.000890J	<0.000564	<0.00101	0.00130J	<14.9	<14.9	<14.9	<14.9	<14.9	482
EX-5 F	12/1/2021	4.5'	<0.000384	<0.000455	<0.000564	<0.00101	<0.00101	38.3J	<15.0	<15.0	38.3J	38.3J	707
EX-5 G	12/1/2021	4.5'	0.000519J	0.00128J	<0.000570	0.00109J	0.00289J	34.7J	<15.0	<15.0	34.7J	34.7J	1,210
EX-5 H	12/1/2021	4.5'	<0.000385	<0.000456	<0.000565	<0.00101	<0.00101	41.3J	<15.0	<15.0	41.3J	41.3J	481
EX-5 I	12/1/2021	4.5'	<0.000384	<0.000455	<0.000564	<0.00101	<0.00101	23.7J B	<15.0	<15.0	23.7J	23.7J	1,120
EX-5 J	12/1/2021	4.5'	<0.000384	<0.000455	<0.000564	<0.00101	<0.00101	18.3J B	<15.0	<15.0	18.3J	18.3J	1,440
EX-5 K	12/1/2021	4.5'	<0.000381	<0.000451	<0.000559	<0.00100	<0.00100	19.3J B	<15.0	<15.0	19.3J	19.3J	332
EX-5 L	12/1/2021	4.5'	<0.000385	<0.000456	<0.000565	<0.00101	<0.00101	21.2J B	<15.0	<15.0	21.2J	21.2J	260
Surface Samples - 19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)													
SS-1	12/1/2021	Surface	<0.000383	<0.000454	<0.000563	<0.00101	<0.00101	<15.0	<15.0	<15.0	<15.0	<15.0	868
SS-2	12/1/2021	Surface	<0.000388	0.000529J	<0.000570	<0.00102	<0.00102	<14.9	<14.9	<14.9	<14.9	<14.9	8,140
Surface Samples - 19.15.29.13 NMAC Reclamation Criteria (0'-4" Soils Only)													
SS SOUTH	1/14/2022	Surface	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	28.2 J	<49.9	<49.9	28.2 J	28.2 J	81.1
SS SOUTHWEST	1/14/2022	Surface	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	24.8 J	<49.9	<49.9	24.8 J	24.8 J	416
SS NORTHWEST	1/14/2022	Surface	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	42.3 J	<50.0	<50.0	42.3 J	42.3 J	12.3
SS NORTH	1/14/2022	Surface	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	24.5 J	<50.0	<50.0	24.5 J	24.5 J	32.2
SS EAST	1/14/2022	Surface	0.000908 J	0.000777 J	<0.00201	0.00243 J	0.00412	21.5 J	<49.9	<49.9	21.5 J	21.5 J	11.0
Assessment Samples Collected Between 3/7/2022 and 3/10/2022													
Excavation Sidewall or Base Samples - 19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)													
MF-1	3/7/2022	4'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	165
MF-2	3/7/2022	4'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	169
MF-3	3/7/2022	4'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	371
MW-1	3/7/2022	0-4'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	295
MW-2	3/7/2022	0-4'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	210
MW-3	3/7/2022	0-4'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	323
N-1	3/7/2022	4'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	610
NEF-1	3/7/2022	4'	NA	NA	NA	NA	NA	<50 U	69.2	22.9 J	69.2	92.1	1,590
NEW-1	3/7/2022	0-4'	NA	NA	NA	NA	NA	15.6 J	17.4	<49.9 U	33.0	33.0	2,160
NW-1	3/7/2022	0-4'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,800
NW-2	3/7/2022	0-4'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,870
SEF-1	3/7/2022	4'	NA	NA	NA	NA	NA	<49.9 U	<49.9 U	<49.9 U	<49.9 U	<49.9 U	344

SOIL BTEX (EPA 8021), TPH (SW 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA
EOG MIDLAND
ROSS DRAW 8 FEDERAL CTB

All values presented in parts per million (mg/Kg)

SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
SEF-2	3/7/2022	4'	NA	NA	NA	NA	NA	<49.8 U	<49.8 U	<49.8 U	<49.8 U	<49.8 U	53
SEF-3	3/7/2022	4'	NA	NA	NA	NA	NA	<50.0 U	<50.0 U	<50.0 U	<50.0 U	<50.0 U	290
SEW-1	3/7/2022	0-4'	NA	NA	NA	NA	NA	<50.0 U	59.3	22.5 J	59.3	89.8	417
SEW-2	3/7/2022	0-4'	NA	NA	NA	NA	NA	<49.9 U	58.2	23.5 J	58.2	81.7	512
SEW-3	3/7/2022	0-4'	NA	NA	NA	NA	NA	<49.8 U	<49.8 U	<49.8 U	<49.8 U	<49.8 U	264
SS-1/F	3/7/2022	4'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	559
SS-1/W	3/7/2022	0-4'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	577
SS-2/F	3/7/2022	4'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	899
SS-2/W	3/7/2022	4'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,580
SW-1	3/7/2022	0-6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	827
SW-2	3/7/2022	0-6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,640
SW-6	3/9/2022	0'-6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	881
SW-5	3/9/2022	0'-6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	186
SW-3	3/11/2022	0-6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	110
SW-7	3/11/2022	0-6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	203
SW-8	3/10/2022	0-6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	757
Excavation Base Samples - 19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW > 100')													
SF-1	3/7/2022	6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	753
SF-2	3/7/2022	6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,530
SF-3	3/9/2022	6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,850
SF-4	3/9/2022	6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	791
SF-5	3/9/2022	6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	349
C-1	3/10/2022	6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	27
C-10	3/10/2022	6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31
C-11	3/10/2022	6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	49
C-12	3/11/2022	6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	109
C-13	3/10/2022	6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14
C-14	3/10/2022	6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14
C-15	3/10/2022	6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42
C-16	3/10/2022	6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28
C-2	3/10/2022	6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	62
C-3	3/11/2022	6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	65
C-4	3/10/2022	6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	169
C-5	3/10/2022	6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	514
C-6	3/10/2022	6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50
C-7	3/11/2022	6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	96
C-8	3/11/2022	6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	112
C-9	3/10/2022	6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13
SF-6	3/10/2022	6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,140

SOIL BTEX (EPA 8021), TPH (SW 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA
EOG MIDLAND
ROSS DRAW 8 FEDERAL CTB

All values presented in parts per million (mg/Kg)

SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
Assessment Samples Collected on 3/29/2022													
Excavation Sidewall or Base Samples - 19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)													
SEW-3A	3/29/2022	0-4'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80
SW-1A	3/29/2022	0-6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	216
SW-2A	3/29/2022	0-6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	139
SW-6A	3/29/2022	0-6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	171
SW-8A	3/29/2022	0-6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	154
SW-9	3/29/2022	0-6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	255
Excavation Base Samples - 19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW > 100')													
SF-10	3/29/2022	6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,700
SF-11	3/29/2022	6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4,770
SF-12	3/29/2022	6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6,500
SF-13	3/29/2022	6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9,360
SF-14	3/29/2022	6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4,070
SF-15	3/29/2022	6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7,250
SF-16	3/29/2022	6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8,300
SF-17	3/29/2022	6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7,640
SF-18	3/29/2022	6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8,140
SF-7	3/29/2022	6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7,180
SF-8	3/29/2022	6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,160
SF-9	3/29/2022	6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5,410
SW-10	3/29/2022	6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	123
SW-11	3/29/2022	6'	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	280
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW > 100')			10	---	---	---	50	---	---	---	1,000	2,500	20,000
19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)			10	---	---	---	50	---	---	---	---	100	600
Notes: 1. Results exceeding the Table 1 Closure Criteria are presented in bold red font with orange highlighting. Results in the 0'-4' depth interval that are in excess of the Reclamation Criteria are presented in bold blue font with orange highlighting. 2. Strikethrough indicates sample area was overexcavated and disposed off-site.													
Laboratory Report Qualifiers: B = Compound was found in blank and sample J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value F1 = Matrix spike and/or matrix spike duplicate recovery exceeds control limits *1 = Laboratory control sample/laboratory control sample duplicate relative percent difference exceeds control limits													

APPENDIX B

CARMONA RESOURCES





View of Ex-1 observed at the site on December 1, 2021. View is towards the north.



View of Ex-2 observed at the site on December 1, 2021. View is towards the west.



View of Ex-3 observed at the site on December 1, 2021. View is towards the west.



View of Ex-4 observed at the site on December 1, 2021. View is towards the west.



View of Ex-5 observed at the site on December 1, 2021. View is towards the northwest.



View is of surface sample SS-Northwest on January 14, 2022. View is towards the east.



View of assessment and excavation activities at the site from March 7 through March 11, 2022.
View is towards the west-northwest.



View of assessment and excavation activities at the site from March 7 through March 11, 2022.
Excavation around the site wellhead, view is towards the north.



View of assessment and excavation activities at the site from March 7 through March 11, 2022.
Excavation around the site wellhead, view is towards the west.



View of assessment and excavation activities at the site from March 7 through March 11, 2022.
Excavation around the C-3 area, view is towards the south.



View of assessment and excavation activities at the site on March 29, 2022. Excavation around the site wellhead, view is towards the east.



View of assessment and excavation activities at the site on March 29, 2022. Excavation around the site wellhead, view is towards the west.

APPENDIX C

CARMONA RESOURCES



District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAPP2128059178
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Resources	OGRID 7377
Contact Name Todd Wells	Contact Telephone (432) 686-3613
Contact email Todd_Wells@eogresources.com	Incident # (assigned by OCD) nAPP2128059178
Contact mailing address 5509 Champions Drive Midland, TX 79706	

Location of Release Source

Latitude 32.063748° Longitude -103.79907°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Ross Draw 8 Fed CTB	Site Type CTB
Date Release Discovered 10/4/21	API# (if applicable)

Unit Letter	Section	Township	Range	County
B	8	26S	31E	Eddy

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 62	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: The 4” hose connection failed on the water line causing produced water to be released on the pad and into the field. This resulted in a release of approximately 62 bbls of produced water with 0 bbls recovered.

Incident ID	NAPP2128059178
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? More than 25 bbls
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, email notification to the OCD Enviro Inbox on 10/4/21.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

☒ The source of the release has been stopped. ☒ The impacted area has been secured to protect human health and the environment. ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. ☒ All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: <u>Todd Wells</u> Title: <u>Environmental Specialist</u> Signature: <u>Todd Wells</u> Date: <u>10-7-21</u> email: <u>Todd_Wells@eogresources.com</u> Telephone: <u>(432) 686-3613</u>
<u>OCD Only</u> Received by: <u>Ramona Marcus</u> Date: <u>10/7/2021</u>

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>100'</u> (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ☒ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Incident ID	
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Todd Wells Title: Environmental Specialist
Signature: Todd Wells Date: 5/25/22
email: todd_wells@eogresources.com Telephone: (432) 686-3613

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☒ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☒ Extents of contamination must be fully delineated.
- ☒ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Todd Wells Title: Environmental Specialist
Signature: Todd Wells Date: 5/25/22
email: Todd_Wells@eogresources.com Telephone: (432) 686-3613

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate OCD District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Todd Wells Title: Environmental Specialist

Signature: Todd Wells Date: 5/25/22

email: Todd_Wells@eogresources.com Telephone: (432) 686-3613

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 54781

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 54781
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
marcus	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141	10/7/2021

From: Todd Wells <Todd_Wells@eogresources.com>
Sent: Thursday, December 30, 2021 11:32 AM
To: OCD.Enviro@state.nm.us
Subject: RE: EOG - Ross Draw 8 Fed CTB - Incident #nAPP2128059178

Good Morning,

This correspondence is to request an extension for the produced water release at the EOG, Ross Draw 8 Fed CTB site, Incident #nAPP2128059178, in Eddy County, New Mexico. The extension request is for additional time to complete the remediation activities and the writing and submittal of the closure report. Please let us know if you have any questions regarding this site.

Thank you,

Todd Wells
Environmental Specialist
Midland Division



5509 Champions Drive
Midland, TX 79706
O: (432) 686-3613
C: (432) 312-7736
Todd_Wells@eogresources.com

Incident ID	NAPP2128059178
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☒ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☒ Extents of contamination must be fully delineated.
- ☒ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Todd Wells Title: Environmental Specialist
Signature: Todd Wells Date: 5/25/22
email: Todd_Wells@eogresources.com Telephone: (432) 686-3613

OCD Only

Received by: Robert Hamlet Date: 9/8/2022

☐ Approved ☐ Approved with Attached Conditions of Approval ☒ Denied ☐ Deferral Approved

Signature: Robert Hamlet Date: 9/8/2022

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

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- ☐ Extents of contamination must be fully delineated.
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Printed Name: _____ Title: _____

Signature: Todd Wells Date: _____

email: _____ Telephone: _____

OCD OnlyReceived by: Jocelyn Harimon Date: 12/09/2022☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

Conner Moehring

From: OCDOnline@state.nm.us
Sent: Thursday, September 8, 2022 12:12 PM
To: Todd Wells
Subject: The Oil Conservation Division (OCD) has rejected the application, Application ID: 111188

Follow Up Flag: Flag for follow up
Flag Status: Flagged

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (c/o Todd Wells for EOG RESOURCES INC),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2128059178, for the following reasons:

- **The deferral request is denied. The release extent/boundary needs to be clearly outlined on site map. All areas within the boundary will need to be sampled. Soil samples should represent no more than 200 ft². The deferral may be granted so long as the contamination is fully delineated and does not cause an imminent risk to human health, the environment, or ground water. As much contaminated soil as possible should be removed safely with alternative methods (shovel, hydrovac, etc.). Only sample points that could cause a major facility deconstruction will be deferred. The only remediation that should remain are the sample points that are being requested for deferral. Specify exactly which sample points you are asking for a deferral on and the reason the contaminants can't be removed. The work will need to occur in 90 days after the report has been reviewed.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 111188. Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,
Robert Hamlet
575-748-1283
Robert.Hamlet@state.nm.us

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

APPENDIX D

CARMONA RESOURCES

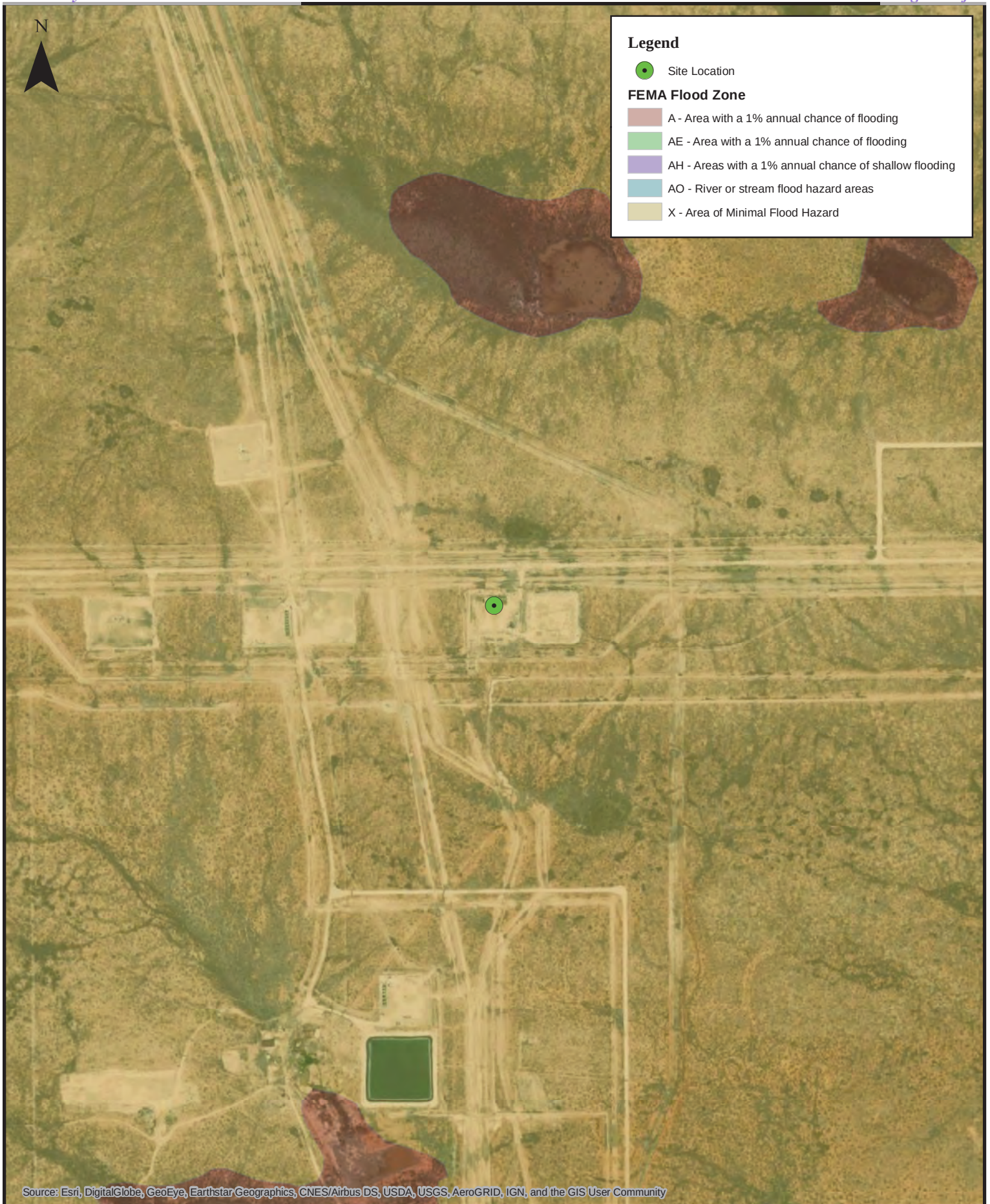






0 250 500 1,000 1,500 2,000
Feet
1:10,000

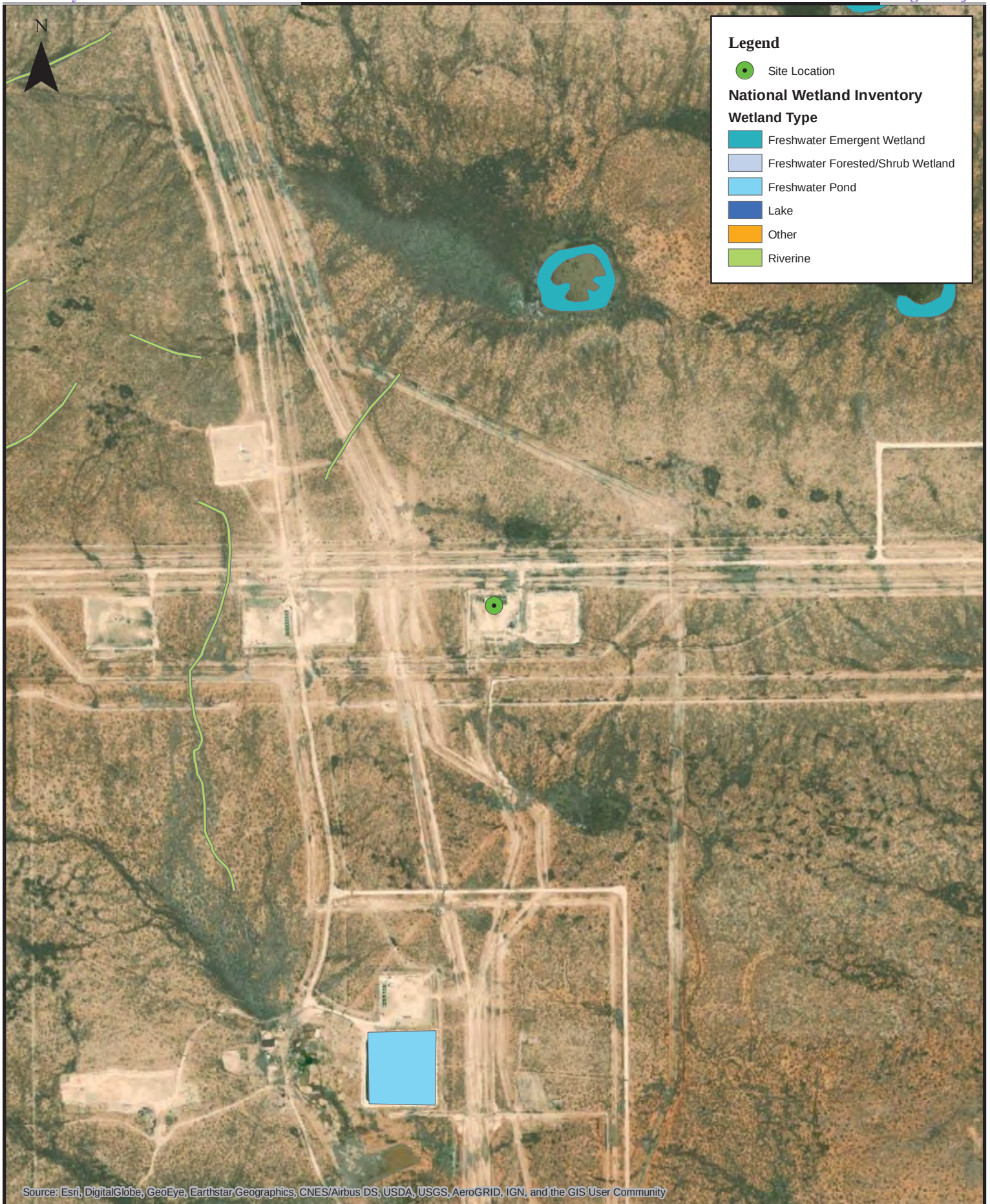
Karst Topogrpahy Map
Ross Draw #8 Federal CTB
EOG Resources, Inc.



0 250 500 1,000 1,500 2,000
Feet

1:10,000

FEMA Floodplain Map
Ross Draw #8 Federal CTB
EOG Resources, Inc.



0 250 500 1,000 1,500 2,000
Feet

1:10,000

National Wetland Inventory Map
Ross Draw #8 Federal CTB
EOG Resources, Inc.

APPENDIX E

CARMONA RESOURCES





Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-1666-1
Laboratory Sample Delivery Group: 5198
Client Project/Site: Ross Draw 8

For:
Ranger Environmental Services, Inc
PO BOX 201179
Austin, Texas 78729

Attn: Max Cook

A handwritten signature in black ink that reads "Holly Taylor".

Authorized for release by:
12/17/2021 9:07:07 AM

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Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Laboratory Job ID: 890-1666-1
SDG: 5198

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Definitions/Glossary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)

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Definitions/Glossary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Case Narrative

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Job ID: 890-1666-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-1666-1

Comments

No additional comments.

Receipt

The samples were received on 12/2/2021 9:38 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.8° C.

GC VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA

Method 8015B NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-14087 and analytical batch 880-14171 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10

Method 8015B NM: The method blank for preparation batch 880-14199 and analytical batch 880-14177 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: EX-5 W1 (890-1666-125). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-14192 and analytical batch 880-14373 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-14191 and analytical batch 880-14372 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300.0: The matrix spike (MS) and matrix spike duplicate (MSD) recoveries for preparation batch 880-14190 and analytical batch 880-14371 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. The associated samples are: EX-2 W3 (890-1666-61), EX-2 W4 (890-1666-62), EX-2 W5 (890-1666-63), (890-1665-A-1-D), (890-1665-A-1-G MS) and (890-1665-A-1-H MSD).

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-14193 and analytical batch 880-14374 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. The associated samples are: EX-1A (890-1666-1), EX-1B (890-1666-2), EX-1C (890-1666-3), EX-1D (890-1666-4), EX-1F (890-1666-6), (880-8912-A-1-E) and (880-8912-A-1-H MS).

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-14777 and analytical batch 880-14923 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

Case Narrative

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Job ID: 890-1666-1 (Continued)

Laboratory: Eurofins Xenco, Carlsbad (Continued)

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1A

Lab Sample ID: 890-1666-1

Date Collected: 12/01/21 09:50

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U F1	0.00198	0.000382	mg/Kg		12/03/21 08:52	12/03/21 23:24	1
Toluene	<0.00198	U F1	0.00198	0.000452	mg/Kg		12/03/21 08:52	12/03/21 23:24	1
Ethylbenzene	<0.00198	U F1	0.00198	0.000561	mg/Kg		12/03/21 08:52	12/03/21 23:24	1
m-Xylene & p-Xylene	0.00112	J	0.00397	0.00100	mg/Kg		12/03/21 08:52	12/03/21 23:24	1
o-Xylene	<0.00198	U	0.00198	0.000341	mg/Kg		12/03/21 08:52	12/03/21 23:24	1
Xylenes, Total	0.00112	J	0.00397	0.00100	mg/Kg		12/03/21 08:52	12/03/21 23:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				12/03/21 08:52	12/03/21 23:24	1
1,4-Difluorobenzene (Surr)	104		70 - 130				12/03/21 08:52	12/03/21 23:24	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00112	J	0.00397	0.00100	mg/Kg			12/08/21 12:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	68.5		49.9	15.0	mg/Kg			12/08/21 13:26	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	16.9	J	49.9	15.0	mg/Kg		12/06/21 09:11	12/06/21 11:44	1
Diesel Range Organics (Over C10-C28)	16.5	J	49.9	15.0	mg/Kg		12/06/21 09:11	12/06/21 11:44	1
Oil Range Organics (Over C28-C36)	35.1	J	49.9	15.0	mg/Kg		12/06/21 09:11	12/06/21 11:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				12/06/21 09:11	12/06/21 11:44	1
o-Terphenyl	86		70 - 130				12/06/21 09:11	12/06/21 11:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.7		5.01	0.860	mg/Kg			12/11/21 17:31	1

Client Sample ID: EX-1B

Lab Sample ID: 890-1666-2

Date Collected: 12/01/21 09:53

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		12/03/21 08:52	12/03/21 23:45	1
Toluene	0.000644	J	0.00200	0.000456	mg/Kg		12/03/21 08:52	12/03/21 23:45	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		12/03/21 08:52	12/03/21 23:45	1
m-Xylene & p-Xylene	0.00105	J	0.00400	0.00101	mg/Kg		12/03/21 08:52	12/03/21 23:45	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		12/03/21 08:52	12/03/21 23:45	1
Xylenes, Total	0.00105	J	0.00400	0.00101	mg/Kg		12/03/21 08:52	12/03/21 23:45	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1B

Lab Sample ID: 890-1666-2

Date Collected: 12/01/21 09:53

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130	12/03/21 08:52	12/03/21 23:45	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/03/21 08:52	12/03/21 23:45	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00169	J	0.00400	0.00101	mg/Kg			12/08/21 12:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.0	mg/Kg			12/08/21 13:26	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		12/06/21 09:11	12/06/21 12:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 09:11	12/06/21 12:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 09:11	12/06/21 12:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				12/06/21 09:11	12/06/21 12:46	1
o-Terphenyl	78		70 - 130				12/06/21 09:11	12/06/21 12:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	466		4.97	0.853	mg/Kg			12/11/21 17:38	1

Client Sample ID: EX-1C

Lab Sample ID: 890-1666-3

Date Collected: 12/01/21 09:56

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000381	mg/Kg		12/03/21 08:52	12/04/21 00:05	1
Toluene	<0.00198	U	0.00198	0.000451	mg/Kg		12/03/21 08:52	12/04/21 00:05	1
Ethylbenzene	<0.00198	U	0.00198	0.000559	mg/Kg		12/03/21 08:52	12/04/21 00:05	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00100	mg/Kg		12/03/21 08:52	12/04/21 00:05	1
o-Xylene	<0.00198	U	0.00198	0.000341	mg/Kg		12/03/21 08:52	12/04/21 00:05	1
Xylenes, Total	<0.00396	U	0.00396	0.00100	mg/Kg		12/03/21 08:52	12/04/21 00:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	12/03/21 08:52	12/04/21 00:05	1
1,4-Difluorobenzene (Surr)	107		70 - 130	12/03/21 08:52	12/04/21 00:05	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	0.00100	mg/Kg			12/08/21 12:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	32.4	J	49.9	15.0	mg/Kg			12/08/21 13:26	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1C

Date Collected: 12/01/21 09:56

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-3

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	16.7	J	49.9	15.0	mg/Kg		12/06/21 09:11	12/06/21 13:06	1
Diesel Range Organics (Over C10-C28)	15.7	J	49.9	15.0	mg/Kg		12/06/21 09:11	12/06/21 13:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 09:11	12/06/21 13:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				12/06/21 09:11	12/06/21 13:06	1
o-Terphenyl	79		70 - 130				12/06/21 09:11	12/06/21 13:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	519		5.00	0.858	mg/Kg			12/11/21 17:45	1

Client Sample ID: EX-1D

Date Collected: 12/01/21 09:59

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-4

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000388	mg/Kg		12/03/21 08:52	12/04/21 00:26	1
Toluene	<0.00202	U	0.00202	0.000460	mg/Kg		12/03/21 08:52	12/04/21 00:26	1
Ethylbenzene	<0.00202	U	0.00202	0.000570	mg/Kg		12/03/21 08:52	12/04/21 00:26	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00102	mg/Kg		12/03/21 08:52	12/04/21 00:26	1
o-Xylene	0.000452	J	0.00202	0.000347	mg/Kg		12/03/21 08:52	12/04/21 00:26	1
Xylenes, Total	<0.00403	U	0.00403	0.00102	mg/Kg		12/03/21 08:52	12/04/21 00:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				12/03/21 08:52	12/04/21 00:26	1
1,4-Difluorobenzene (Surr)	77		70 - 130				12/03/21 08:52	12/04/21 00:26	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	0.00102	mg/Kg			12/08/21 12:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	17.7	J	49.9	15.0	mg/Kg			12/08/21 13:26	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	17.7	J	49.9	15.0	mg/Kg		12/06/21 09:11	12/06/21 13:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 09:11	12/06/21 13:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 09:11	12/06/21 13:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				12/06/21 09:11	12/06/21 13:27	1
o-Terphenyl	84		70 - 130				12/06/21 09:11	12/06/21 13:27	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1D

Date Collected: 12/01/21 09:59

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-4

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	723		5.00	0.858	mg/Kg			12/11/21 17:51	1

Client Sample ID: EX-1E

Date Collected: 12/01/21 10:02

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-5

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		12/03/21 08:52	12/04/21 00:46	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		12/03/21 08:52	12/04/21 00:46	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		12/03/21 08:52	12/04/21 00:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		12/03/21 08:52	12/04/21 00:46	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		12/03/21 08:52	12/04/21 00:46	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		12/03/21 08:52	12/04/21 00:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				12/03/21 08:52	12/04/21 00:46	1
1,4-Difluorobenzene (Surr)	85		70 - 130				12/03/21 08:52	12/04/21 00:46	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			12/08/21 12:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	46.6	J	49.8	14.9	mg/Kg			12/08/21 13:26	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	21.0	J	49.8	14.9	mg/Kg		12/06/21 09:11	12/06/21 13:47	1
Diesel Range Organics (Over C10-C28)	25.6	J	49.8	14.9	mg/Kg		12/06/21 09:11	12/06/21 13:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		12/06/21 09:11	12/06/21 13:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				12/06/21 09:11	12/06/21 13:47	1
o-Terphenyl	81		70 - 130				12/06/21 09:11	12/06/21 13:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	808		5.03	0.863	mg/Kg			12/11/21 17:58	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1F

Lab Sample ID: 890-1666-6

Date Collected: 12/01/21 10:05

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg	-	12/03/21 08:52	12/04/21 01:06	1
Toluene	<0.00201	U	0.00201	0.000458	mg/Kg	-	12/03/21 08:52	12/04/21 01:06	1
Ethylbenzene	<0.00201	U	0.00201	0.000567	mg/Kg	-	12/03/21 08:52	12/04/21 01:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00101	mg/Kg	-	12/03/21 08:52	12/04/21 01:06	1
o-Xylene	<0.00201	U	0.00201	0.000345	mg/Kg	-	12/03/21 08:52	12/04/21 01:06	1
Xylenes, Total	<0.00402	U	0.00402	0.00101	mg/Kg	-	12/03/21 08:52	12/04/21 01:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	12/03/21 08:52	12/04/21 01:06	1
1,4-Difluorobenzene (Surr)	103		70 - 130	12/03/21 08:52	12/04/21 01:06	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00101	mg/Kg	-		12/08/21 12:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	49.7	J	49.9	15.0	mg/Kg	-		12/08/21 13:26	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	25.6	J	49.9	15.0	mg/Kg	-	12/06/21 09:11	12/06/21 14:07	1
Diesel Range Organics (Over C10-C28)	24.1	J	49.9	15.0	mg/Kg	-	12/06/21 09:11	12/06/21 14:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg	-	12/06/21 09:11	12/06/21 14:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130	12/06/21 09:11	12/06/21 14:07	1
o-Terphenyl	93		70 - 130	12/06/21 09:11	12/06/21 14:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	308		5.04	0.865	mg/Kg	-		12/11/21 18:05	1

Client Sample ID: EX-1G

Lab Sample ID: 890-1666-7

Date Collected: 12/01/21 10:07

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000394	J	0.00200	0.000385	mg/Kg	-	12/03/21 08:52	12/04/21 01:27	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg	-	12/03/21 08:52	12/04/21 01:27	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg	-	12/03/21 08:52	12/04/21 01:27	1
m-Xylene & p-Xylene	0.00103	J	0.00400	0.00101	mg/Kg	-	12/03/21 08:52	12/04/21 01:27	1
o-Xylene	0.000563	J	0.00200	0.000344	mg/Kg	-	12/03/21 08:52	12/04/21 01:27	1
Xylenes, Total	0.00159	J	0.00400	0.00101	mg/Kg	-	12/03/21 08:52	12/04/21 01:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	12/03/21 08:52	12/04/21 01:27	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1G

Lab Sample ID: 890-1666-7

Date Collected: 12/01/21 10:07

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	88		70 - 130	12/03/21 08:52	12/04/21 01:27	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00199	J	0.00400	0.00101	mg/Kg			12/08/21 12:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	53.5		49.8	14.9	mg/Kg			12/08/21 13:26	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	32.3	J	49.8	14.9	mg/Kg		12/06/21 09:11	12/06/21 14:27	1
Diesel Range Organics (Over C10-C28)	21.2	J	49.8	14.9	mg/Kg		12/06/21 09:11	12/06/21 14:27	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		12/06/21 09:11	12/06/21 14:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				12/06/21 09:11	12/06/21 14:27	1
o-Terphenyl	87		70 - 130				12/06/21 09:11	12/06/21 14:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	235		4.98	0.855	mg/Kg			12/11/21 05:15	1

Client Sample ID: EX-1H

Lab Sample ID: 890-1666-8

Date Collected: 12/01/21 10:10

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		12/03/21 08:52	12/04/21 01:47	1
Toluene	0.000481	J	0.00200	0.000455	mg/Kg		12/03/21 08:52	12/04/21 01:47	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		12/03/21 08:52	12/04/21 01:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		12/03/21 08:52	12/04/21 01:47	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		12/03/21 08:52	12/04/21 01:47	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		12/03/21 08:52	12/04/21 01:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	12/03/21 08:52	12/04/21 01:47	1
1,4-Difluorobenzene (Surr)	89		70 - 130	12/03/21 08:52	12/04/21 01:47	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			12/08/21 12:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.1		50.0	15.0	mg/Kg			12/08/21 13:26	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1H

Date Collected: 12/01/21 10:10

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-8

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	34.9	J	50.0	15.0	mg/Kg		12/06/21 09:11	12/06/21 14:48	1
Diesel Range Organics (Over C10-C28)	17.2	J	50.0	15.0	mg/Kg		12/06/21 09:11	12/06/21 14:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 09:11	12/06/21 14:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				12/06/21 09:11	12/06/21 14:48	1
o-Terphenyl	84		70 - 130				12/06/21 09:11	12/06/21 14:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	136		5.04	0.865	mg/Kg			12/11/21 05:34	1

Client Sample ID: EX-1I

Date Collected: 12/01/21 10:13

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-9

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000388	mg/Kg		12/03/21 08:52	12/04/21 02:08	1
Toluene	<0.00202	U	0.00202	0.000460	mg/Kg		12/03/21 08:52	12/04/21 02:08	1
Ethylbenzene	<0.00202	U	0.00202	0.000570	mg/Kg		12/03/21 08:52	12/04/21 02:08	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00102	mg/Kg		12/03/21 08:52	12/04/21 02:08	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		12/03/21 08:52	12/04/21 02:08	1
Xylenes, Total	<0.00403	U	0.00403	0.00102	mg/Kg		12/03/21 08:52	12/04/21 02:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				12/03/21 08:52	12/04/21 02:08	1
1,4-Difluorobenzene (Surr)	100		70 - 130				12/03/21 08:52	12/04/21 02:08	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	0.00102	mg/Kg			12/08/21 12:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	43.9	J	50.0	15.0	mg/Kg			12/08/21 13:26	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	25.8	J	50.0	15.0	mg/Kg		12/06/21 09:11	12/06/21 15:08	1
Diesel Range Organics (Over C10-C28)	18.1	J	50.0	15.0	mg/Kg		12/06/21 09:11	12/06/21 15:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 09:11	12/06/21 15:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				12/06/21 09:11	12/06/21 15:08	1
o-Terphenyl	84		70 - 130				12/06/21 09:11	12/06/21 15:08	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1I

Lab Sample ID: 890-1666-9

Date Collected: 12/01/21 10:13

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	124		4.99	0.857	mg/Kg			12/11/21 05:41	1

Client Sample ID: EX-1J

Lab Sample ID: 890-1666-10

Date Collected: 12/01/21 10:15

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		12/03/21 08:52	12/04/21 02:28	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		12/03/21 08:52	12/04/21 02:28	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		12/03/21 08:52	12/04/21 02:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		12/03/21 08:52	12/04/21 02:28	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		12/03/21 08:52	12/04/21 02:28	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		12/03/21 08:52	12/04/21 02:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130				12/03/21 08:52	12/04/21 02:28	1
1,4-Difluorobenzene (Surr)	104		70 - 130				12/03/21 08:52	12/04/21 02:28	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg			12/08/21 12:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	46.8	J	49.9	15.0	mg/Kg			12/08/21 13:26	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	28.8	J	49.9	15.0	mg/Kg		12/06/21 09:11	12/06/21 15:28	1
Diesel Range Organics (Over C10-C28)	18.0	J	49.9	15.0	mg/Kg		12/06/21 09:11	12/06/21 15:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 09:11	12/06/21 15:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				12/06/21 09:11	12/06/21 15:28	1
o-Terphenyl	86		70 - 130				12/06/21 09:11	12/06/21 15:28	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	118		5.00	0.858	mg/Kg			12/11/21 05:48	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1K

Lab Sample ID: 890-1666-11

Date Collected: 12/01/21 10:18

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg	-	12/03/21 08:52	12/04/21 03:50	1
Toluene	0.000818	J	0.00201	0.000458	mg/Kg	-	12/03/21 08:52	12/04/21 03:50	1
Ethylbenzene	<0.00201	U	0.00201	0.000567	mg/Kg	-	12/03/21 08:52	12/04/21 03:50	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00101	mg/Kg	-	12/03/21 08:52	12/04/21 03:50	1
o-Xylene	0.000560	J	0.00201	0.000345	mg/Kg	-	12/03/21 08:52	12/04/21 03:50	1
Xylenes, Total	<0.00402	U	0.00402	0.00101	mg/Kg	-	12/03/21 08:52	12/04/21 03:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	12/03/21 08:52	12/04/21 03:50	1
1,4-Difluorobenzene (Surr)	108		70 - 130	12/03/21 08:52	12/04/21 03:50	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00138	J	0.00402	0.00101	mg/Kg	-		12/08/21 12:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	40.6	J	50.0	15.0	mg/Kg	-		12/08/21 13:26	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	23.3	J	50.0	15.0	mg/Kg	-	12/06/21 09:11	12/06/21 16:09	1
Diesel Range Organics (Over C10-C28)	17.3	J	50.0	15.0	mg/Kg	-	12/06/21 09:11	12/06/21 16:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg	-	12/06/21 09:11	12/06/21 16:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130	12/06/21 09:11	12/06/21 16:09	1
o-Terphenyl	78		70 - 130	12/06/21 09:11	12/06/21 16:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	401		4.95	0.850	mg/Kg	-		12/11/21 05:54	1

Client Sample ID: EX-1L

Lab Sample ID: 890-1666-12

Date Collected: 12/01/21 10:21

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000386	mg/Kg	-	12/03/21 08:52	12/04/21 04:11	1
Toluene	<0.00200	U	0.00200	0.000457	mg/Kg	-	12/03/21 08:52	12/04/21 04:11	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg	-	12/03/21 08:52	12/04/21 04:11	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg	-	12/03/21 08:52	12/04/21 04:11	1
o-Xylene	<0.00200	U	0.00200	0.000345	mg/Kg	-	12/03/21 08:52	12/04/21 04:11	1
Xylenes, Total	<0.00401	U	0.00401	0.00101	mg/Kg	-	12/03/21 08:52	12/04/21 04:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	12/03/21 08:52	12/04/21 04:11	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1L

Lab Sample ID: 890-1666-12

Date Collected: 12/01/21 10:21

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	89		70 - 130	12/03/21 08:52	12/04/21 04:11	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	0.00101	mg/Kg			12/08/21 12:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	42.6	J	50.0	15.0	mg/Kg			12/08/21 13:26	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	23.8	J	50.0	15.0	mg/Kg	-	12/06/21 09:11	12/06/21 16:29	1
Diesel Range Organics (Over C10-C28)	18.8	J	50.0	15.0	mg/Kg		12/06/21 09:11	12/06/21 16:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 09:11	12/06/21 16:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130				12/06/21 09:11	12/06/21 16:29	1
o-Terphenyl	81		70 - 130				12/06/21 09:11	12/06/21 16:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	463		5.02	0.862	mg/Kg			12/11/21 06:14	1

Client Sample ID: EX-1M

Lab Sample ID: 890-1666-13

Date Collected: 12/01/21 10:25

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000386	mg/Kg		12/03/21 08:52	12/04/21 04:31	1
Toluene	<0.00200	U	0.00200	0.000457	mg/Kg		12/03/21 08:52	12/04/21 04:31	1
Ethylbenzene	0.000883	J	0.00200	0.000566	mg/Kg		12/03/21 08:52	12/04/21 04:31	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg		12/03/21 08:52	12/04/21 04:31	1
o-Xylene	<0.00200	U	0.00200	0.000345	mg/Kg		12/03/21 08:52	12/04/21 04:31	1
Xylenes, Total	<0.00401	U	0.00401	0.00101	mg/Kg		12/03/21 08:52	12/04/21 04:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	12/03/21 08:52	12/04/21 04:31	1
1,4-Difluorobenzene (Surr)	81		70 - 130	12/03/21 08:52	12/04/21 04:31	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	0.00101	mg/Kg			12/08/21 12:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	49.9		49.9	15.0	mg/Kg			12/08/21 13:26	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1M

Date Collected: 12/01/21 10:25

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-13

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	30.3	J	49.9	15.0	mg/Kg		12/06/21 09:11	12/06/21 16:49	1
Diesel Range Organics (Over C10-C28)	19.6	J	49.9	15.0	mg/Kg		12/06/21 09:11	12/06/21 16:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 09:11	12/06/21 16:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				12/06/21 09:11	12/06/21 16:49	1
o-Terphenyl	84		70 - 130				12/06/21 09:11	12/06/21 16:49	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	121		4.98	0.855	mg/Kg			12/11/21 09:08	1

Client Sample ID: EX-1N

Date Collected: 12/01/21 10:27

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-14

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		12/03/21 08:52	12/04/21 04:51	1
Toluene	0.000594	J	0.00200	0.000456	mg/Kg		12/03/21 08:52	12/04/21 04:51	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		12/03/21 08:52	12/04/21 04:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 08:52	12/04/21 04:51	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		12/03/21 08:52	12/04/21 04:51	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 08:52	12/04/21 04:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130				12/03/21 08:52	12/04/21 04:51	1
1,4-Difluorobenzene (Surr)	97		70 - 130				12/03/21 08:52	12/04/21 04:51	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg			12/08/21 12:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	47.8	J	50.0	15.0	mg/Kg			12/08/21 13:26	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	30.1	J	50.0	15.0	mg/Kg		12/06/21 09:11	12/06/21 17:10	1
Diesel Range Organics (Over C10-C28)	17.7	J	50.0	15.0	mg/Kg		12/06/21 09:11	12/06/21 17:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 09:11	12/06/21 17:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				12/06/21 09:11	12/06/21 17:10	1
o-Terphenyl	81		70 - 130				12/06/21 09:11	12/06/21 17:10	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1N

Date Collected: 12/01/21 10:27

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-14

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	141		4.98	0.855	mg/Kg			12/10/21 19:43	1

Client Sample ID: EX-10

Date Collected: 12/01/21 10:30

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-15

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000381	mg/Kg		12/03/21 08:52	12/04/21 05:12	1
Toluene	0.000578	J	0.00198	0.000451	mg/Kg		12/03/21 08:52	12/04/21 05:12	1
Ethylbenzene	<0.00198	U	0.00198	0.000559	mg/Kg		12/03/21 08:52	12/04/21 05:12	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00100	mg/Kg		12/03/21 08:52	12/04/21 05:12	1
o-Xylene	0.000374	J	0.00198	0.000341	mg/Kg		12/03/21 08:52	12/04/21 05:12	1
Xylenes, Total	<0.00396	U	0.00396	0.00100	mg/Kg		12/03/21 08:52	12/04/21 05:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				12/03/21 08:52	12/04/21 05:12	1
1,4-Difluorobenzene (Surr)	108		70 - 130				12/03/21 08:52	12/04/21 05:12	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	0.00100	mg/Kg			12/08/21 12:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	45.2	J	50.0	15.0	mg/Kg			12/08/21 13:26	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	28.0	J	50.0	15.0	mg/Kg		12/06/21 09:11	12/06/21 17:30	1
Diesel Range Organics (Over C10-C28)	17.2	J	50.0	15.0	mg/Kg		12/06/21 09:11	12/06/21 17:30	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 09:11	12/06/21 17:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				12/06/21 09:11	12/06/21 17:30	1
o-Terphenyl	80		70 - 130				12/06/21 09:11	12/06/21 17:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.7		5.04	0.865	mg/Kg			12/10/21 20:16	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1P

Lab Sample ID: 890-1666-16

Date Collected: 12/01/21 10:33

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000382	mg/Kg	-	12/03/21 08:52	12/04/21 05:32	1
Toluene	<0.00198	U	0.00198	0.000452	mg/Kg	-	12/03/21 08:52	12/04/21 05:32	1
Ethylbenzene	<0.00198	U	0.00198	0.000561	mg/Kg	-	12/03/21 08:52	12/04/21 05:32	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	0.00100	mg/Kg	-	12/03/21 08:52	12/04/21 05:32	1
o-Xylene	<0.00198	U	0.00198	0.000341	mg/Kg	-	12/03/21 08:52	12/04/21 05:32	1
Xylenes, Total	<0.00397	U	0.00397	0.00100	mg/Kg	-	12/03/21 08:52	12/04/21 05:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130	12/03/21 08:52	12/04/21 05:32	1
1,4-Difluorobenzene (Surr)	107		70 - 130	12/03/21 08:52	12/04/21 05:32	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	0.00100	mg/Kg	-		12/08/21 12:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	53.3		49.9	15.0	mg/Kg	-		12/08/21 13:26	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	33.8	J	49.9	15.0	mg/Kg	-	12/06/21 09:11	12/06/21 17:50	1
Diesel Range Organics (Over C10-C28)	19.5	J	49.9	15.0	mg/Kg	-	12/06/21 09:11	12/06/21 17:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg	-	12/06/21 09:11	12/06/21 17:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130	12/06/21 09:11	12/06/21 17:50	1
o-Terphenyl	80		70 - 130	12/06/21 09:11	12/06/21 17:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	257		4.99	0.857	mg/Kg	-		12/10/21 20:27	1

Client Sample ID: EX-1Q

Lab Sample ID: 890-1666-17

Date Collected: 12/01/21 10:36

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg	-	12/03/21 08:52	12/04/21 05:53	1
Toluene	0.000673	J	0.00199	0.000454	mg/Kg	-	12/03/21 08:52	12/04/21 05:53	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg	-	12/03/21 08:52	12/04/21 05:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg	-	12/03/21 08:52	12/04/21 05:53	1
o-Xylene	0.000515	J	0.00199	0.000343	mg/Kg	-	12/03/21 08:52	12/04/21 05:53	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg	-	12/03/21 08:52	12/04/21 05:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	12/03/21 08:52	12/04/21 05:53	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1Q

Lab Sample ID: 890-1666-17

Date Collected: 12/01/21 10:36

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	100		70 - 130	12/03/21 08:52	12/04/21 05:53	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00119	J	0.00398	0.00101	mg/Kg			12/08/21 12:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	49.0	J	49.8	14.9	mg/Kg			12/08/21 13:26	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	29.0	J	49.8	14.9	mg/Kg		12/06/21 09:11	12/06/21 18:10	1
Diesel Range Organics (Over C10-C28)	20.0	J	49.8	14.9	mg/Kg		12/06/21 09:11	12/06/21 18:10	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		12/06/21 09:11	12/06/21 18:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				12/06/21 09:11	12/06/21 18:10	1
o-Terphenyl	84		70 - 130				12/06/21 09:11	12/06/21 18:10	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		5.00	0.858	mg/Kg			12/10/21 20:38	1

Client Sample ID: EX-1R

Lab Sample ID: 890-1666-18

Date Collected: 12/01/21 10:40

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		12/03/21 08:52	12/04/21 06:13	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		12/03/21 08:52	12/04/21 06:13	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		12/03/21 08:52	12/04/21 06:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		12/03/21 08:52	12/04/21 06:13	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		12/03/21 08:52	12/04/21 06:13	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		12/03/21 08:52	12/04/21 06:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	12/03/21 08:52	12/04/21 06:13	1
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130	12/03/21 08:52	12/04/21 06:13	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg			12/08/21 12:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	56.1		50.0	15.0	mg/Kg			12/08/21 13:26	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1R

Date Collected: 12/01/21 10:40

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-18

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	37.2	J	50.0	15.0	mg/Kg		12/06/21 09:11	12/06/21 18:31	1
Diesel Range Organics (Over C10-C28)	18.9	J	50.0	15.0	mg/Kg		12/06/21 09:11	12/06/21 18:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 09:11	12/06/21 18:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				12/06/21 09:11	12/06/21 18:31	1
o-Terphenyl	82		70 - 130				12/06/21 09:11	12/06/21 18:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	158		4.95	0.850	mg/Kg			12/10/21 20:49	1

Client Sample ID: EX-1S

Date Collected: 12/01/21 10:44

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-19

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000388	mg/Kg		12/03/21 08:52	12/04/21 06:34	1
Toluene	<0.00202	U	0.00202	0.000460	mg/Kg		12/03/21 08:52	12/04/21 06:34	1
Ethylbenzene	<0.00202	U	0.00202	0.000570	mg/Kg		12/03/21 08:52	12/04/21 06:34	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00102	mg/Kg		12/03/21 08:52	12/04/21 06:34	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		12/03/21 08:52	12/04/21 06:34	1
Xylenes, Total	<0.00403	U	0.00403	0.00102	mg/Kg		12/03/21 08:52	12/04/21 06:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				12/03/21 08:52	12/04/21 06:34	1
1,4-Difluorobenzene (Surr)	92		70 - 130				12/03/21 08:52	12/04/21 06:34	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	0.00102	mg/Kg			12/08/21 12:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	55.4		50.0	15.0	mg/Kg			12/08/21 13:26	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	36.5	J	50.0	15.0	mg/Kg		12/06/21 09:11	12/06/21 18:52	1
Diesel Range Organics (Over C10-C28)	18.9	J	50.0	15.0	mg/Kg		12/06/21 09:11	12/06/21 18:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 09:11	12/06/21 18:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				12/06/21 09:11	12/06/21 18:52	1
o-Terphenyl	74		70 - 130				12/06/21 09:11	12/06/21 18:52	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1S

Date Collected: 12/01/21 10:44

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-19

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	356		5.02	0.862	mg/Kg			12/10/21 21:21	1

Client Sample ID: EX-1T

Date Collected: 12/01/21 10:47

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-20

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		12/03/21 08:52	12/04/21 06:54	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		12/03/21 08:52	12/04/21 06:54	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		12/03/21 08:52	12/04/21 06:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		12/03/21 08:52	12/04/21 06:54	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		12/03/21 08:52	12/04/21 06:54	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		12/03/21 08:52	12/04/21 06:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130				12/03/21 08:52	12/04/21 06:54	1
1,4-Difluorobenzene (Surr)	112		70 - 130				12/03/21 08:52	12/04/21 06:54	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			12/08/21 12:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	45.9	J	49.9	15.0	mg/Kg			12/08/21 13:26	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	29.6	J	49.9	15.0	mg/Kg		12/06/21 09:11	12/06/21 19:13	1
Diesel Range Organics (Over C10-C28)	16.3	J	49.9	15.0	mg/Kg		12/06/21 09:11	12/06/21 19:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 09:11	12/06/21 19:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				12/06/21 09:11	12/06/21 19:13	1
o-Terphenyl	86		70 - 130				12/06/21 09:11	12/06/21 19:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.2		4.97	0.853	mg/Kg			12/10/21 21:32	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1U

Lab Sample ID: 890-1666-21

Date Collected: 12/01/21 10:50

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000388	mg/Kg	-	12/03/21 08:54	12/04/21 10:17	1
Toluene	0.000634	J	0.00202	0.000460	mg/Kg	-	12/03/21 08:54	12/04/21 10:17	1
Ethylbenzene	0.000575	J	0.00202	0.000570	mg/Kg	-	12/03/21 08:54	12/04/21 10:17	1
m-Xylene & p-Xylene	0.00113	J	0.00403	0.00102	mg/Kg	-	12/03/21 08:54	12/04/21 10:17	1
o-Xylene	0.000822	J	0.00202	0.000347	mg/Kg	-	12/03/21 08:54	12/04/21 10:17	1
Xylenes, Total	0.00195	J	0.00403	0.00102	mg/Kg	-	12/03/21 08:54	12/04/21 10:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	12/03/21 08:54	12/04/21 10:17	1
1,4-Difluorobenzene (Surr)	82		70 - 130	12/03/21 08:54	12/04/21 10:17	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00316	J	0.00403	0.00102	mg/Kg	-		12/08/21 12:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	36.5	J	49.9	15.0	mg/Kg	-		12/08/21 13:26	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	36.5	J	49.9	15.0	mg/Kg	-	12/06/21 09:16	12/06/21 11:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg	-	12/06/21 09:16	12/06/21 11:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg	-	12/06/21 09:16	12/06/21 11:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130	12/06/21 09:16	12/06/21 11:44	1
o-Terphenyl	90		70 - 130	12/06/21 09:16	12/06/21 11:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	254		4.95	0.850	mg/Kg	-		12/10/21 21:43	1

Client Sample ID: EX-1V

Lab Sample ID: 890-1666-22

Date Collected: 12/01/21 10:52

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000594	J	0.00199	0.000383	mg/Kg	-	12/03/21 08:54	12/04/21 10:37	1
Toluene	0.000976	J	0.00199	0.000454	mg/Kg	-	12/03/21 08:54	12/04/21 10:37	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg	-	12/03/21 08:54	12/04/21 10:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg	-	12/03/21 08:54	12/04/21 10:37	1
o-Xylene	0.000657	J	0.00199	0.000343	mg/Kg	-	12/03/21 08:54	12/04/21 10:37	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg	-	12/03/21 08:54	12/04/21 10:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	12/03/21 08:54	12/04/21 10:37	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1V

Lab Sample ID: 890-1666-22

Date Collected: 12/01/21 10:52

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	109		70 - 130	12/03/21 08:54	12/04/21 10:37	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00223	J	0.00398	0.00101	mg/Kg			12/08/21 12:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.0	mg/Kg			12/08/21 13:26	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		12/06/21 09:16	12/06/21 12:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 09:16	12/06/21 12:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 09:16	12/06/21 12:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				12/06/21 09:16	12/06/21 12:46	1
o-Terphenyl	86		70 - 130				12/06/21 09:16	12/06/21 12:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	208		4.99	0.857	mg/Kg			12/10/21 21:54	1

Client Sample ID: EX-1W

Lab Sample ID: 890-1666-23

Date Collected: 12/01/21 10:55

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		12/03/21 08:54	12/04/21 10:58	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		12/03/21 08:54	12/04/21 10:58	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		12/03/21 08:54	12/04/21 10:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		12/03/21 08:54	12/04/21 10:58	1
o-Xylene	0.000384	J	0.00199	0.000343	mg/Kg		12/03/21 08:54	12/04/21 10:58	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		12/03/21 08:54	12/04/21 10:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	12/03/21 08:54	12/04/21 10:58	1
1,4-Difluorobenzene (Surr)	81		70 - 130	12/03/21 08:54	12/04/21 10:58	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg			12/08/21 12:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	16.5	J	49.9	15.0	mg/Kg			12/08/21 13:26	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1W

Date Collected: 12/01/21 10:55

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-23

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		12/06/21 09:16	12/06/21 13:06	1
Diesel Range Organics (Over C10-C28)	16.5	J	49.9	15.0	mg/Kg		12/06/21 09:16	12/06/21 13:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 09:16	12/06/21 13:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				12/06/21 09:16	12/06/21 13:06	1
o-Terphenyl	96		70 - 130				12/06/21 09:16	12/06/21 13:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	151		5.00	0.858	mg/Kg			12/10/21 22:05	1

Client Sample ID: EX-1X

Date Collected: 12/01/21 10:59

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-24

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000470	J	0.00200	0.000385	mg/Kg		12/03/21 08:54	12/04/21 11:18	1
Toluene	0.000757	J	0.00200	0.000456	mg/Kg		12/03/21 08:54	12/04/21 11:18	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		12/03/21 08:54	12/04/21 11:18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 08:54	12/04/21 11:18	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		12/03/21 08:54	12/04/21 11:18	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 08:54	12/04/21 11:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130				12/03/21 08:54	12/04/21 11:18	1
1,4-Difluorobenzene (Surr)	112		70 - 130				12/03/21 08:54	12/04/21 11:18	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00123	J	0.00400	0.00101	mg/Kg			12/08/21 12:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	21.3	J	49.9	15.0	mg/Kg			12/08/21 13:26	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	21.3	J	49.9	15.0	mg/Kg		12/06/21 09:16	12/06/21 13:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 09:16	12/06/21 13:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 09:16	12/06/21 13:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				12/06/21 09:16	12/06/21 13:27	1
o-Terphenyl	87		70 - 130				12/06/21 09:16	12/06/21 13:27	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1X

Date Collected: 12/01/21 10:59

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-24

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	349		4.96	0.851	mg/Kg			12/10/21 22:16	1

Client Sample ID: EX-1Y

Date Collected: 12/01/21 11:03

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-25

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		12/03/21 08:54	12/04/21 11:39	1
Toluene	<0.00201	U	0.00201	0.000458	mg/Kg		12/03/21 08:54	12/04/21 11:39	1
Ethylbenzene	<0.00201	U	0.00201	0.000567	mg/Kg		12/03/21 08:54	12/04/21 11:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00101	mg/Kg		12/03/21 08:54	12/04/21 11:39	1
o-Xylene	<0.00201	U	0.00201	0.000345	mg/Kg		12/03/21 08:54	12/04/21 11:39	1
Xylenes, Total	<0.00402	U	0.00402	0.00101	mg/Kg		12/03/21 08:54	12/04/21 11:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				12/03/21 08:54	12/04/21 11:39	1
1,4-Difluorobenzene (Surr)	118		70 - 130				12/03/21 08:54	12/04/21 11:39	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00101	mg/Kg			12/08/21 12:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	15.5	J	49.8	14.9	mg/Kg			12/08/21 13:26	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	14.9	mg/Kg		12/06/21 09:16	12/06/21 13:47	1
Diesel Range Organics (Over C10-C28)	15.5	J	49.8	14.9	mg/Kg		12/06/21 09:16	12/06/21 13:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		12/06/21 09:16	12/06/21 13:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				12/06/21 09:16	12/06/21 13:47	1
o-Terphenyl	90		70 - 130				12/06/21 09:16	12/06/21 13:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	222		5.04	0.865	mg/Kg			12/10/21 22:49	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1Z

Lab Sample ID: 890-1666-26

Date Collected: 12/01/21 11:06

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg	-	12/03/21 08:54	12/04/21 11:59	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg	-	12/03/21 08:54	12/04/21 11:59	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg	-	12/03/21 08:54	12/04/21 11:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg	-	12/03/21 08:54	12/04/21 11:59	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg	-	12/03/21 08:54	12/04/21 11:59	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg	-	12/03/21 08:54	12/04/21 11:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	12/03/21 08:54	12/04/21 11:59	1
1,4-Difluorobenzene (Surr)	75		70 - 130	12/03/21 08:54	12/04/21 11:59	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg	-		12/08/21 12:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	41.4	J	49.9	15.0	mg/Kg	-		12/08/21 13:26	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	25.5	J	49.9	15.0	mg/Kg	-	12/06/21 09:16	12/06/21 14:07	1
Diesel Range Organics (Over C10-C28)	15.9	J	49.9	15.0	mg/Kg	-	12/06/21 09:16	12/06/21 14:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg	-	12/06/21 09:16	12/06/21 14:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	12/06/21 09:16	12/06/21 14:07	1
o-Terphenyl	97		70 - 130	12/06/21 09:16	12/06/21 14:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	111		4.98	0.855	mg/Kg	-		12/10/21 23:00	1

Client Sample ID: EX-1AA

Lab Sample ID: 890-1666-27

Date Collected: 12/01/21 11:10

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000779	J	0.00201	0.000387	mg/Kg	-	12/03/21 08:54	12/04/21 12:20	1
Toluene	<0.00201	U	0.00201	0.000459	mg/Kg	-	12/03/21 08:54	12/04/21 12:20	1
Ethylbenzene	0.000620	J	0.00201	0.000568	mg/Kg	-	12/03/21 08:54	12/04/21 12:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00102	mg/Kg	-	12/03/21 08:54	12/04/21 12:20	1
o-Xylene	<0.00201	U	0.00201	0.000346	mg/Kg	-	12/03/21 08:54	12/04/21 12:20	1
Xylenes, Total	<0.00402	U	0.00402	0.00102	mg/Kg	-	12/03/21 08:54	12/04/21 12:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	163	S1+	70 - 130	12/03/21 08:54	12/04/21 12:20	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1AA

Lab Sample ID: 890-1666-27

Date Collected: 12/01/21 11:10

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	122		70 - 130	12/03/21 08:54	12/04/21 12:20	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00140	J	0.00402	0.00102	mg/Kg			12/08/21 12:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	17.4	J	49.8	14.9	mg/Kg			12/08/21 13:26	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	14.9	mg/Kg		12/06/21 09:16	12/06/21 14:27	1
Diesel Range Organics (Over C10-C28)	17.4	J	49.8	14.9	mg/Kg		12/06/21 09:16	12/06/21 14:27	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		12/06/21 09:16	12/06/21 14:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				12/06/21 09:16	12/06/21 14:27	1
o-Terphenyl	83		70 - 130				12/06/21 09:16	12/06/21 14:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	345		4.95	0.850	mg/Kg			12/10/21 23:32	1

Client Sample ID: EX-1BB

Lab Sample ID: 890-1666-28

Date Collected: 12/01/21 11:13

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000386	mg/Kg		12/03/21 08:54	12/04/21 12:40	1
Toluene	<0.00200	U	0.00200	0.000457	mg/Kg		12/03/21 08:54	12/04/21 12:40	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg		12/03/21 08:54	12/04/21 12:40	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg		12/03/21 08:54	12/04/21 12:40	1
o-Xylene	<0.00200	U	0.00200	0.000345	mg/Kg		12/03/21 08:54	12/04/21 12:40	1
Xylenes, Total	<0.00401	U	0.00401	0.00101	mg/Kg		12/03/21 08:54	12/04/21 12:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	12/03/21 08:54	12/04/21 12:40	1
1,4-Difluorobenzene (Surr)	85		70 - 130	12/03/21 08:54	12/04/21 12:40	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	0.00101	mg/Kg			12/08/21 12:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	16.8	J	50.0	15.0	mg/Kg			12/08/21 13:26	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1BB

Lab Sample ID: 890-1666-28

Date Collected: 12/01/21 11:13

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg	-	12/06/21 09:16	12/06/21 14:48	1
Diesel Range Organics (Over C10-C28)	16.8	J	50.0	15.0	mg/Kg	-	12/06/21 09:16	12/06/21 14:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg	-	12/06/21 09:16	12/06/21 14:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130				12/06/21 09:16	12/06/21 14:48	1
o-Terphenyl	79		70 - 130				12/06/21 09:16	12/06/21 14:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.1		5.01	0.860	mg/Kg	-		12/10/21 23:43	1

Client Sample ID: EX-1CC

Lab Sample ID: 890-1666-29

Date Collected: 12/01/21 11:17

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000500	J	0.00200	0.000386	mg/Kg	-	12/03/21 08:54	12/04/21 13:00	1
Toluene	0.000521	J	0.00200	0.000457	mg/Kg	-	12/03/21 08:54	12/04/21 13:00	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg	-	12/03/21 08:54	12/04/21 13:00	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg	-	12/03/21 08:54	12/04/21 13:00	1
o-Xylene	<0.00200	U	0.00200	0.000345	mg/Kg	-	12/03/21 08:54	12/04/21 13:00	1
Xylenes, Total	<0.00401	U	0.00401	0.00101	mg/Kg	-	12/03/21 08:54	12/04/21 13:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				12/03/21 08:54	12/04/21 13:00	1
1,4-Difluorobenzene (Surr)	102		70 - 130				12/03/21 08:54	12/04/21 13:00	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00102	J	0.00401	0.00101	mg/Kg	-		12/08/21 12:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	17.1	J	50.0	15.0	mg/Kg	-		12/08/21 13:26	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg	-	12/06/21 09:16	12/06/21 15:08	1
Diesel Range Organics (Over C10-C28)	17.1	J	50.0	15.0	mg/Kg	-	12/06/21 09:16	12/06/21 15:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg	-	12/06/21 09:16	12/06/21 15:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				12/06/21 09:16	12/06/21 15:08	1
o-Terphenyl	80		70 - 130				12/06/21 09:16	12/06/21 15:08	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1CC

Date Collected: 12/01/21 11:17

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-29

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	290		4.97	0.853	mg/Kg			12/10/21 23:54	1

Client Sample ID: EX-1DD

Date Collected: 12/01/21 11:20

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-30

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000404	J	0.00200	0.000385	mg/Kg		12/03/21 08:54	12/04/21 13:21	1
Toluene	0.000765	J	0.00200	0.000456	mg/Kg		12/03/21 08:54	12/04/21 13:21	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		12/03/21 08:54	12/04/21 13:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 08:54	12/04/21 13:21	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		12/03/21 08:54	12/04/21 13:21	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 08:54	12/04/21 13:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				12/03/21 08:54	12/04/21 13:21	1
1,4-Difluorobenzene (Surr)	73		70 - 130				12/03/21 08:54	12/04/21 13:21	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00117	J	0.00400	0.00101	mg/Kg			12/08/21 12:45	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	17.6	J	49.9	15.0	mg/Kg			12/08/21 13:26	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		12/06/21 09:16	12/06/21 15:28	1
Diesel Range Organics (Over C10-C28)	17.6	J	49.9	15.0	mg/Kg		12/06/21 09:16	12/06/21 15:28	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 09:16	12/06/21 15:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130				12/06/21 09:16	12/06/21 15:28	1
o-Terphenyl	74		70 - 130				12/06/21 09:16	12/06/21 15:28	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	705		5.00	0.858	mg/Kg			12/11/21 00:05	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1 W1

Lab Sample ID: 890-1666-31

Date Collected: 12/01/21 11:23

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000855	J	0.00200	0.000384	mg/Kg	-	12/03/21 08:54	12/04/21 14:43	1
Toluene	0.000890	J	0.00200	0.000455	mg/Kg	-	12/03/21 08:54	12/04/21 14:43	1
Ethylbenzene	0.000835	J	0.00200	0.000564	mg/Kg	-	12/03/21 08:54	12/04/21 14:43	1
m-Xylene & p-Xylene	0.00105	J	0.00399	0.00101	mg/Kg	-	12/03/21 08:54	12/04/21 14:43	1
o-Xylene	0.000861	J	0.00200	0.000343	mg/Kg	-	12/03/21 08:54	12/04/21 14:43	1
Xylenes, Total	0.00191	J	0.00399	0.00101	mg/Kg	-	12/03/21 08:54	12/04/21 14:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	12/03/21 08:54	12/04/21 14:43	1
1,4-Difluorobenzene (Surr)	113		70 - 130	12/03/21 08:54	12/04/21 14:43	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00449		0.00399	0.00101	mg/Kg	-		12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	36.8	J	50.0	15.0	mg/Kg	-		12/08/21 13:26	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	17.5	J	50.0	15.0	mg/Kg	-	12/06/21 09:16	12/06/21 16:09	1
Diesel Range Organics (Over C10-C28)	19.3	J	50.0	15.0	mg/Kg	-	12/06/21 09:16	12/06/21 16:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg	-	12/06/21 09:16	12/06/21 16:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	12/06/21 09:16	12/06/21 16:09	1
o-Terphenyl	94		70 - 130	12/06/21 09:16	12/06/21 16:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.3		5.00	0.858	mg/Kg	-		12/11/21 00:16	1

Client Sample ID: EX-1 W2

Lab Sample ID: 890-1666-32

Date Collected: 12/01/21 11:27

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg	-	12/03/21 08:54	12/04/21 15:03	1
Toluene	0.000584	J	0.00199	0.000454	mg/Kg	-	12/03/21 08:54	12/04/21 15:03	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg	-	12/03/21 08:54	12/04/21 15:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg	-	12/03/21 08:54	12/04/21 15:03	1
o-Xylene	0.000349	J	0.00199	0.000343	mg/Kg	-	12/03/21 08:54	12/04/21 15:03	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg	-	12/03/21 08:54	12/04/21 15:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	12/03/21 08:54	12/04/21 15:03	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1 W2

Lab Sample ID: 890-1666-32

Date Collected: 12/01/21 11:27

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130	12/03/21 08:54	12/04/21 15:03	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg	-		12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	35.6	J	50.0	15.0	mg/Kg	-		12/08/21 13:26	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	17.1	J	50.0	15.0	mg/Kg	-	12/06/21 09:16	12/06/21 16:29	1
Diesel Range Organics (Over C10-C28)	18.5	J	50.0	15.0	mg/Kg	-	12/06/21 09:16	12/06/21 16:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg	-	12/06/21 09:16	12/06/21 16:29	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	63	S1-	70 - 130	12/06/21 09:16	12/06/21 16:29	1			
o-Terphenyl	68	S1-	70 - 130	12/06/21 09:16	12/06/21 16:29	1			

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.3		5.03	0.863	mg/Kg	-		12/11/21 00:27	1

Client Sample ID: EX-1 W3

Lab Sample ID: 890-1666-33

Date Collected: 12/01/21 11:30

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000566	J	0.00202	0.000388	mg/Kg	-	12/03/21 08:54	12/04/21 15:24	1
Toluene	0.000877	J	0.00202	0.000460	mg/Kg	-	12/03/21 08:54	12/04/21 15:24	1
Ethylbenzene	<0.00202	U	0.00202	0.000570	mg/Kg	-	12/03/21 08:54	12/04/21 15:24	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00102	mg/Kg	-	12/03/21 08:54	12/04/21 15:24	1
o-Xylene	0.000351	J	0.00202	0.000347	mg/Kg	-	12/03/21 08:54	12/04/21 15:24	1
Xylenes, Total	<0.00403	U	0.00403	0.00102	mg/Kg	-	12/03/21 08:54	12/04/21 15:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	12/03/21 08:54	12/04/21 15:24	1
1,4-Difluorobenzene (Surr)	108		70 - 130	12/03/21 08:54	12/04/21 15:24	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00179	J	0.00403	0.00102	mg/Kg	-		12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	20.0	J	49.9	15.0	mg/Kg	-		12/08/21 13:26	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1 W3

Lab Sample ID: 890-1666-33

Date Collected: 12/01/21 11:30

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		12/06/21 09:16	12/06/21 16:49	1
Diesel Range Organics (Over C10-C28)	20.0	J	49.9	15.0	mg/Kg		12/06/21 09:16	12/06/21 16:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 09:16	12/06/21 16:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130				12/06/21 09:16	12/06/21 16:49	1
o-Terphenyl	79		70 - 130				12/06/21 09:16	12/06/21 16:49	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.9		5.04	0.865	mg/Kg			12/11/21 00:38	1

Client Sample ID: EX-1 W4

Lab Sample ID: 890-1666-34

Date Collected: 12/01/21 11:33

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		12/03/21 08:54	12/04/21 15:44	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		12/03/21 08:54	12/04/21 15:44	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		12/03/21 08:54	12/04/21 15:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		12/03/21 08:54	12/04/21 15:44	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		12/03/21 08:54	12/04/21 15:44	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		12/03/21 08:54	12/04/21 15:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				12/03/21 08:54	12/04/21 15:44	1
1,4-Difluorobenzene (Surr)	76		70 - 130				12/03/21 08:54	12/04/21 15:44	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	18.3	J	50.0	15.0	mg/Kg			12/08/21 13:26	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		12/06/21 09:16	12/06/21 17:10	1
Diesel Range Organics (Over C10-C28)	18.3	J	50.0	15.0	mg/Kg		12/06/21 09:16	12/06/21 17:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 09:16	12/06/21 17:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 130				12/06/21 09:16	12/06/21 17:10	1
o-Terphenyl	78		70 - 130				12/06/21 09:16	12/06/21 17:10	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1 W4

Date Collected: 12/01/21 11:33

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-34

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	354		4.98	0.855	mg/Kg			12/10/21 16:29	1

Client Sample ID: EX-1 W5

Date Collected: 12/01/21 11:36

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-35

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		12/03/21 08:54	12/04/21 16:05	1
Toluene	<0.00201	U	0.00201	0.000458	mg/Kg		12/03/21 08:54	12/04/21 16:05	1
Ethylbenzene	<0.00201	U	0.00201	0.000567	mg/Kg		12/03/21 08:54	12/04/21 16:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00101	mg/Kg		12/03/21 08:54	12/04/21 16:05	1
o-Xylene	<0.00201	U	0.00201	0.000345	mg/Kg		12/03/21 08:54	12/04/21 16:05	1
Xylenes, Total	<0.00402	U	0.00402	0.00101	mg/Kg		12/03/21 08:54	12/04/21 16:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				12/03/21 08:54	12/04/21 16:05	1
1,4-Difluorobenzene (Surr)	107		70 - 130				12/03/21 08:54	12/04/21 16:05	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	36.4	J	50.0	15.0	mg/Kg			12/08/21 13:26	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	17.5	J	50.0	15.0	mg/Kg		12/06/21 09:16	12/06/21 17:30	1
Diesel Range Organics (Over C10-C28)	18.9	J	50.0	15.0	mg/Kg		12/06/21 09:16	12/06/21 17:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 09:16	12/06/21 17:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	66	S1-	70 - 130				12/06/21 09:16	12/06/21 17:30	1
o-Terphenyl	69	S1-	70 - 130				12/06/21 09:16	12/06/21 17:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	368		5.04	0.865	mg/Kg			12/10/21 16:54	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1 W6

Lab Sample ID: 890-1666-36

Date Collected: 12/01/21 11:40

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000451	J	0.00201	0.000387	mg/Kg	-	12/03/21 08:54	12/04/21 16:25	1
Toluene	<0.00201	U	0.00201	0.000458	mg/Kg	-	12/03/21 08:54	12/04/21 16:25	1
Ethylbenzene	<0.00201	U	0.00201	0.000567	mg/Kg	-	12/03/21 08:54	12/04/21 16:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00101	mg/Kg	-	12/03/21 08:54	12/04/21 16:25	1
o-Xylene	<0.00201	U	0.00201	0.000345	mg/Kg	-	12/03/21 08:54	12/04/21 16:25	1
Xylenes, Total	<0.00402	U	0.00402	0.00101	mg/Kg	-	12/03/21 08:54	12/04/21 16:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	12/03/21 08:54	12/04/21 16:25	1
1,4-Difluorobenzene (Surr)	102		70 - 130	12/03/21 08:54	12/04/21 16:25	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00101	mg/Kg	-		12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	38.1	J	49.9	15.0	mg/Kg	-		12/08/21 13:26	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	19.6	J	49.9	15.0	mg/Kg	-	12/06/21 09:16	12/06/21 17:50	1
Diesel Range Organics (Over C10-C28)	18.5	J	49.9	15.0	mg/Kg	-	12/06/21 09:16	12/06/21 17:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg	-	12/06/21 09:16	12/06/21 17:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130	12/06/21 09:16	12/06/21 17:50	1
o-Terphenyl	78		70 - 130	12/06/21 09:16	12/06/21 17:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	423		4.99	0.857	mg/Kg	-		12/10/21 17:03	1

Client Sample ID: EX-1 W7

Lab Sample ID: 890-1666-37

Date Collected: 12/01/21 11:43

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg	-	12/03/21 08:54	12/04/21 16:46	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg	-	12/03/21 08:54	12/04/21 16:46	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg	-	12/03/21 08:54	12/04/21 16:46	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg	-	12/03/21 08:54	12/04/21 16:46	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg	-	12/03/21 08:54	12/04/21 16:46	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg	-	12/03/21 08:54	12/04/21 16:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	12/03/21 08:54	12/04/21 16:46	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1 W7

Lab Sample ID: 890-1666-37

Date Collected: 12/01/21 11:43

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	110		70 - 130	12/03/21 08:54	12/04/21 16:46	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	35.2	J	49.8	14.9	mg/Kg			12/08/21 13:26	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	15.0	J	49.8	14.9	mg/Kg		12/06/21 09:16	12/06/21 18:10	1
Diesel Range Organics (Over C10-C28)	20.2	J	49.8	14.9	mg/Kg		12/06/21 09:16	12/06/21 18:10	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		12/06/21 09:16	12/06/21 18:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130				12/06/21 09:16	12/06/21 18:10	1
o-Terphenyl	75		70 - 130				12/06/21 09:16	12/06/21 18:10	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6540		50.0	8.58	mg/Kg			12/10/21 17:11	10

Client Sample ID: EX-2A

Lab Sample ID: 890-1666-38

Date Collected: 12/01/21 12:09

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000382	mg/Kg		12/03/21 08:54	12/04/21 17:06	1
Toluene	0.000616	J	0.00198	0.000452	mg/Kg		12/03/21 08:54	12/04/21 17:06	1
Ethylbenzene	<0.00198	U	0.00198	0.000561	mg/Kg		12/03/21 08:54	12/04/21 17:06	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	0.00100	mg/Kg		12/03/21 08:54	12/04/21 17:06	1
o-Xylene	0.000610	J	0.00198	0.000341	mg/Kg		12/03/21 08:54	12/04/21 17:06	1
Xylenes, Total	<0.00397	U	0.00397	0.00100	mg/Kg		12/03/21 08:54	12/04/21 17:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	12/03/21 08:54	12/04/21 17:06	1
1,4-Difluorobenzene (Surr)	109		70 - 130	12/03/21 08:54	12/04/21 17:06	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00123	J	0.00397	0.00100	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	32.6	J	50.0	15.0	mg/Kg			12/08/21 13:26	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-2A

Date Collected: 12/01/21 12:09

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-38

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	15.3	J	50.0	15.0	mg/Kg		12/06/21 09:16	12/06/21 18:31	1
Diesel Range Organics (Over C10-C28)	17.3	J	50.0	15.0	mg/Kg		12/06/21 09:16	12/06/21 18:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 09:16	12/06/21 18:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				12/06/21 09:16	12/06/21 18:31	1
o-Terphenyl	79		70 - 130				12/06/21 09:16	12/06/21 18:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		4.95	0.850	mg/Kg			12/10/21 17:19	1

Client Sample ID: EX-2B

Date Collected: 12/01/21 12:12

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-39

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		12/03/21 08:54	12/04/21 17:27	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		12/03/21 08:54	12/04/21 17:27	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		12/03/21 08:54	12/04/21 17:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 08:54	12/04/21 17:27	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		12/03/21 08:54	12/04/21 17:27	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 08:54	12/04/21 17:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				12/03/21 08:54	12/04/21 17:27	1
1,4-Difluorobenzene (Surr)	94		70 - 130				12/03/21 08:54	12/04/21 17:27	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	18.6	J	50.0	15.0	mg/Kg			12/08/21 13:26	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		12/06/21 09:16	12/06/21 18:52	1
Diesel Range Organics (Over C10-C28)	18.6	J	50.0	15.0	mg/Kg		12/06/21 09:16	12/06/21 18:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 09:16	12/06/21 18:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130				12/06/21 09:16	12/06/21 18:52	1
o-Terphenyl	76		70 - 130				12/06/21 09:16	12/06/21 18:52	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-2B

Date Collected: 12/01/21 12:12

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-39

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	92.1		5.02	0.862	mg/Kg			12/10/21 17:44	1

Client Sample ID: EX-2C

Date Collected: 12/01/21 12:14

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-40

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		12/03/21 08:54	12/04/21 17:47	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		12/03/21 08:54	12/04/21 17:47	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		12/03/21 08:54	12/04/21 17:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		12/03/21 08:54	12/04/21 17:47	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		12/03/21 08:54	12/04/21 17:47	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		12/03/21 08:54	12/04/21 17:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				12/03/21 08:54	12/04/21 17:47	1
1,4-Difluorobenzene (Surr)	113		70 - 130				12/03/21 08:54	12/04/21 17:47	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	37.9	J	49.9	15.0	mg/Kg			12/08/21 13:26	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	19.2	J	49.9	15.0	mg/Kg		12/06/21 09:16	12/06/21 19:13	1
Diesel Range Organics (Over C10-C28)	18.7	J	49.9	15.0	mg/Kg		12/06/21 09:16	12/06/21 19:13	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 09:16	12/06/21 19:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	62	S1-	70 - 130				12/06/21 09:16	12/06/21 19:13	1
o-Terphenyl	68	S1-	70 - 130				12/06/21 09:16	12/06/21 19:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	172		4.97	0.853	mg/Kg			12/10/21 17:53	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-2D

Lab Sample ID: 890-1666-41

Date Collected: 12/01/21 12:17

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000611	J F1	0.00200	0.000386	mg/Kg		12/03/21 09:11	12/04/21 21:09	1
Toluene	0.000919	J F1	0.00200	0.000457	mg/Kg		12/03/21 09:11	12/04/21 21:09	1
Ethylbenzene	<0.00200	U F1	0.00200	0.000566	mg/Kg		12/03/21 09:11	12/04/21 21:09	1
m-Xylene & p-Xylene	<0.00401	U F1	0.00401	0.00101	mg/Kg		12/03/21 09:11	12/04/21 21:09	1
o-Xylene	0.000569	J F1	0.00200	0.000345	mg/Kg		12/03/21 09:11	12/04/21 21:09	1
Xylenes, Total	<0.00401	U F1	0.00401	0.00101	mg/Kg		12/03/21 09:11	12/04/21 21:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	12/03/21 09:11	12/04/21 21:09	1
1,4-Difluorobenzene (Surr)	109		70 - 130	12/03/21 09:11	12/04/21 21:09	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00210	J	0.00401	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	133		49.9	15.0	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	47.2	J *1	49.9	15.0	mg/Kg		12/06/21 14:16	12/07/21 13:04	1
Diesel Range Organics (Over C10-C28)	46.7	J	49.9	15.0	mg/Kg		12/06/21 14:16	12/07/21 13:04	1
Oil Range Organics (Over C28-C36)	38.9	J	49.9	15.0	mg/Kg		12/06/21 14:16	12/07/21 13:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	12/06/21 14:16	12/07/21 13:04	1
o-Terphenyl	103		70 - 130	12/06/21 14:16	12/07/21 13:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		4.95	0.850	mg/Kg			12/10/21 18:01	1

Client Sample ID: EX-2E

Lab Sample ID: 890-1666-42

Date Collected: 12/01/21 12:20

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		12/03/21 09:11	12/04/21 21:30	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		12/03/21 09:11	12/04/21 21:30	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		12/03/21 09:11	12/04/21 21:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		12/03/21 09:11	12/04/21 21:30	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		12/03/21 09:11	12/04/21 21:30	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		12/03/21 09:11	12/04/21 21:30	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-2E

Lab Sample ID: 890-1666-42

Date Collected: 12/01/21 12:20

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	12/03/21 09:11	12/04/21 21:30	1
1,4-Difluorobenzene (Surr)	95		70 - 130	12/03/21 09:11	12/04/21 21:30	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg	-		12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	77.9		50.0	15.0	mg/Kg	-		12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	28.7	J *1	50.0	15.0	mg/Kg	-	12/06/21 14:16	12/07/21 14:03	1
Diesel Range Organics (Over C10-C28)	49.2	J	50.0	15.0	mg/Kg	-	12/06/21 14:16	12/07/21 14:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg	-	12/06/21 14:16	12/07/21 14:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				12/06/21 14:16	12/07/21 14:03	1
o-Terphenyl	99		70 - 130				12/06/21 14:16	12/07/21 14:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	199		4.99	0.857	mg/Kg	-		12/10/21 18:09	1

Client Sample ID: EX-2F

Lab Sample ID: 890-1666-43

Date Collected: 12/01/21 12:22

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg	-	12/03/21 09:11	12/04/21 21:50	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg	-	12/03/21 09:11	12/04/21 21:50	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg	-	12/03/21 09:11	12/04/21 21:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg	-	12/03/21 09:11	12/04/21 21:50	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg	-	12/03/21 09:11	12/04/21 21:50	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg	-	12/03/21 09:11	12/04/21 21:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	12/03/21 09:11	12/04/21 21:50	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/03/21 09:11	12/04/21 21:50	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg	-		12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	71.3		49.9	15.0	mg/Kg	-		12/10/21 15:57	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-2F

Date Collected: 12/01/21 12:22

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-43

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	31.6	J *1	49.9	15.0	mg/Kg	-	12/06/21 14:16	12/07/21 14:23	1
Diesel Range Organics (Over C10-C28)	39.7	J	49.9	15.0	mg/Kg	-	12/06/21 14:16	12/07/21 14:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg	-	12/06/21 14:16	12/07/21 14:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				12/06/21 14:16	12/07/21 14:23	1
o-Terphenyl	95		70 - 130				12/06/21 14:16	12/07/21 14:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	188		5.00	0.858	mg/Kg	-		12/10/21 18:18	1

Client Sample ID: EX-2G

Date Collected: 12/01/21 12:25

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-44

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg	-	12/03/21 09:11	12/04/21 22:10	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg	-	12/03/21 09:11	12/04/21 22:10	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg	-	12/03/21 09:11	12/04/21 22:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg	-	12/03/21 09:11	12/04/21 22:10	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg	-	12/03/21 09:11	12/04/21 22:10	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg	-	12/03/21 09:11	12/04/21 22:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				12/03/21 09:11	12/04/21 22:10	1
1,4-Difluorobenzene (Surr)	79		70 - 130				12/03/21 09:11	12/04/21 22:10	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg	-		12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	67.9		49.9	15.0	mg/Kg	-		12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	30.4	J *1	49.9	15.0	mg/Kg	-	12/06/21 14:16	12/07/21 14:43	1
Diesel Range Organics (Over C10-C28)	37.5	J	49.9	15.0	mg/Kg	-	12/06/21 14:16	12/07/21 14:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg	-	12/06/21 14:16	12/07/21 14:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				12/06/21 14:16	12/07/21 14:43	1
o-Terphenyl	104		70 - 130				12/06/21 14:16	12/07/21 14:43	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-2G

Date Collected: 12/01/21 12:25

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-44

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	79.1		4.96	0.851	mg/Kg			12/10/21 18:26	1

Client Sample ID: EX-2H

Date Collected: 12/01/21 12:28

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-45

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		12/03/21 09:11	12/04/21 22:31	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		12/03/21 09:11	12/04/21 22:31	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		12/03/21 09:11	12/04/21 22:31	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		12/03/21 09:11	12/04/21 22:31	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		12/03/21 09:11	12/04/21 22:31	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		12/03/21 09:11	12/04/21 22:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				12/03/21 09:11	12/04/21 22:31	1
1,4-Difluorobenzene (Surr)	86		70 - 130				12/03/21 09:11	12/04/21 22:31	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	81.8		49.8	14.9	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	40.3	J *1	49.8	14.9	mg/Kg		12/06/21 14:16	12/07/21 15:03	1
Diesel Range Organics (Over C10-C28)	41.5	J	49.8	14.9	mg/Kg		12/06/21 14:16	12/07/21 15:03	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		12/06/21 14:16	12/07/21 15:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				12/06/21 14:16	12/07/21 15:03	1
o-Terphenyl	105		70 - 130				12/06/21 14:16	12/07/21 15:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83.2		5.04	0.865	mg/Kg			12/10/21 18:51	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-2I

Lab Sample ID: 890-1666-46

Date Collected: 12/01/21 12:30

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg	-	12/03/21 09:11	12/04/21 22:51	1
Toluene	<0.00201	U	0.00201	0.000458	mg/Kg	-	12/03/21 09:11	12/04/21 22:51	1
Ethylbenzene	<0.00201	U	0.00201	0.000567	mg/Kg	-	12/03/21 09:11	12/04/21 22:51	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00101	mg/Kg	-	12/03/21 09:11	12/04/21 22:51	1
o-Xylene	<0.00201	U	0.00201	0.000345	mg/Kg	-	12/03/21 09:11	12/04/21 22:51	1
Xylenes, Total	<0.00402	U	0.00402	0.00101	mg/Kg	-	12/03/21 09:11	12/04/21 22:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	12/03/21 09:11	12/04/21 22:51	1
1,4-Difluorobenzene (Surr)	107		70 - 130	12/03/21 09:11	12/04/21 22:51	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00101	mg/Kg	-		12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	87.8		49.9	15.0	mg/Kg	-		12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	35.1	J *1	49.9	15.0	mg/Kg	-	12/06/21 14:16	12/07/21 15:23	1
Diesel Range Organics (Over C10-C28)	52.7		49.9	15.0	mg/Kg	-	12/06/21 14:16	12/07/21 15:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg	-	12/06/21 14:16	12/07/21 15:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	12/06/21 14:16	12/07/21 15:23	1
o-Terphenyl	99		70 - 130	12/06/21 14:16	12/07/21 15:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.4		4.98	0.855	mg/Kg	-		12/10/21 19:00	1

Client Sample ID: EX-2J

Lab Sample ID: 890-1666-47

Date Collected: 12/01/21 12:33

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000453	J	0.00200	0.000384	mg/Kg	-	12/03/21 09:11	12/04/21 23:12	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg	-	12/03/21 09:11	12/04/21 23:12	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg	-	12/03/21 09:11	12/04/21 23:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg	-	12/03/21 09:11	12/04/21 23:12	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg	-	12/03/21 09:11	12/04/21 23:12	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg	-	12/03/21 09:11	12/04/21 23:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	12/03/21 09:11	12/04/21 23:12	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-2J

Lab Sample ID: 890-1666-47

Date Collected: 12/01/21 12:33

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	106		70 - 130	12/03/21 09:11	12/04/21 23:12	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	42.3	J	49.8	14.9	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	49.8	14.9	mg/Kg		12/06/21 14:16	12/07/21 15:42	1
Diesel Range Organics (Over C10-C28)	42.3	J	49.8	14.9	mg/Kg		12/06/21 14:16	12/07/21 15:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		12/06/21 14:16	12/07/21 15:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				12/06/21 14:16	12/07/21 15:42	1
o-Terphenyl	97		70 - 130				12/06/21 14:16	12/07/21 15:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	212		4.95	0.850	mg/Kg			12/10/21 19:25	1

Client Sample ID: EX-2K

Lab Sample ID: 890-1666-48

Date Collected: 12/01/21 12:36

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000382	mg/Kg		12/03/21 09:11	12/04/21 23:32	1
Toluene	0.000759	J	0.00198	0.000452	mg/Kg		12/03/21 09:11	12/04/21 23:32	1
Ethylbenzene	<0.00198	U	0.00198	0.000561	mg/Kg		12/03/21 09:11	12/04/21 23:32	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	0.00100	mg/Kg		12/03/21 09:11	12/04/21 23:32	1
o-Xylene	<0.00198	U	0.00198	0.000341	mg/Kg		12/03/21 09:11	12/04/21 23:32	1
Xylenes, Total	<0.00397	U	0.00397	0.00100	mg/Kg		12/03/21 09:11	12/04/21 23:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	12/03/21 09:11	12/04/21 23:32	1
1,4-Difluorobenzene (Surr)	106		70 - 130	12/03/21 09:11	12/04/21 23:32	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	0.00100	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	91.4		50.0	15.0	mg/Kg			12/10/21 15:57	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-2K

Date Collected: 12/01/21 12:36

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-48

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	46.7	J *1	50.0	15.0	mg/Kg	-	12/06/21 14:16	12/07/21 16:02	1
Diesel Range Organics (Over C10-C28)	44.7	J	50.0	15.0	mg/Kg	-	12/06/21 14:16	12/07/21 16:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg	-	12/06/21 14:16	12/07/21 16:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				12/06/21 14:16	12/07/21 16:02	1
o-Terphenyl	95		70 - 130				12/06/21 14:16	12/07/21 16:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	73.0		5.01	0.860	mg/Kg	-		12/10/21 19:33	1

Client Sample ID: EX-2L

Date Collected: 12/01/21 12:39

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-49

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg	-	12/03/21 09:11	12/04/21 23:53	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg	-	12/03/21 09:11	12/04/21 23:53	1
Ethylbenzene	0.000587	J	0.00200	0.000565	mg/Kg	-	12/03/21 09:11	12/04/21 23:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg	-	12/03/21 09:11	12/04/21 23:53	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg	-	12/03/21 09:11	12/04/21 23:53	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg	-	12/03/21 09:11	12/04/21 23:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				12/03/21 09:11	12/04/21 23:53	1
1,4-Difluorobenzene (Surr)	98		70 - 130				12/03/21 09:11	12/04/21 23:53	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg	-		12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	84.0		50.0	15.0	mg/Kg	-		12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	43.1	J *1	50.0	15.0	mg/Kg	-	12/06/21 14:16	12/07/21 16:22	1
Diesel Range Organics (Over C10-C28)	40.9	J	50.0	15.0	mg/Kg	-	12/06/21 14:16	12/07/21 16:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg	-	12/06/21 14:16	12/07/21 16:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				12/06/21 14:16	12/07/21 16:22	1
o-Terphenyl	93		70 - 130				12/06/21 14:16	12/07/21 16:22	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-2L

Date Collected: 12/01/21 12:39

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-49

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.0		4.97	0.853	mg/Kg			12/10/21 19:42	1

Client Sample ID: EX-2M

Date Collected: 12/01/21 12:41

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-50

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000669	J	0.00199	0.000383	mg/Kg		12/03/21 09:11	12/05/21 00:13	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		12/03/21 09:11	12/05/21 00:13	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		12/03/21 09:11	12/05/21 00:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		12/03/21 09:11	12/05/21 00:13	1
o-Xylene	0.000368	J	0.00199	0.000342	mg/Kg		12/03/21 09:11	12/05/21 00:13	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		12/03/21 09:11	12/05/21 00:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130				12/03/21 09:11	12/05/21 00:13	1
1,4-Difluorobenzene (Surr)	104		70 - 130				12/03/21 09:11	12/05/21 00:13	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00104	J	0.00398	0.00100	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	82.9		49.9	15.0	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	44.5	J *1	49.9	15.0	mg/Kg		12/06/21 14:16	12/07/21 16:42	1
Diesel Range Organics (Over C10-C28)	38.4	J	49.9	15.0	mg/Kg		12/06/21 14:16	12/07/21 16:42	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 14:16	12/07/21 16:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				12/06/21 14:16	12/07/21 16:42	1
o-Terphenyl	99		70 - 130				12/06/21 14:16	12/07/21 16:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.5		5.00	0.858	mg/Kg			12/10/21 19:50	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-2N

Lab Sample ID: 890-1666-51

Date Collected: 12/01/21 12:43

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00105	J	0.00201	0.000387	mg/Kg	-	12/03/21 09:11	12/05/21 01:35	1
Toluene	0.000850	J	0.00201	0.000458	mg/Kg	-	12/03/21 09:11	12/05/21 01:35	1
Ethylbenzene	<0.00201	U	0.00201	0.000567	mg/Kg	-	12/03/21 09:11	12/05/21 01:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00101	mg/Kg	-	12/03/21 09:11	12/05/21 01:35	1
o-Xylene	<0.00201	U	0.00201	0.000345	mg/Kg	-	12/03/21 09:11	12/05/21 01:35	1
Xylenes, Total	<0.00402	U	0.00402	0.00101	mg/Kg	-	12/03/21 09:11	12/05/21 01:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	12/03/21 09:11	12/05/21 01:35	1
1,4-Difluorobenzene (Surr)	109		70 - 130	12/03/21 09:11	12/05/21 01:35	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00190	J	0.00402	0.00101	mg/Kg	-		12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	84.0		50.0	15.0	mg/Kg	-		12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	47.1	J *1	50.0	15.0	mg/Kg	-	12/06/21 14:16	12/07/21 17:21	1
Diesel Range Organics (Over C10-C28)	36.9	J	50.0	15.0	mg/Kg	-	12/06/21 14:16	12/07/21 17:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg	-	12/06/21 14:16	12/07/21 17:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	12/06/21 14:16	12/07/21 17:21	1
o-Terphenyl	96		70 - 130	12/06/21 14:16	12/07/21 17:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.7		5.00	0.858	mg/Kg	-		12/10/21 19:59	1

Client Sample ID: EX-2O

Lab Sample ID: 890-1666-52

Date Collected: 12/01/21 12:46

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000872	J	0.00198	0.000381	mg/Kg	-	12/03/21 09:11	12/05/21 01:55	1
Toluene	0.00176	J	0.00198	0.000451	mg/Kg	-	12/03/21 09:11	12/05/21 01:55	1
Ethylbenzene	<0.00198	U	0.00198	0.000559	mg/Kg	-	12/03/21 09:11	12/05/21 01:55	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00100	mg/Kg	-	12/03/21 09:11	12/05/21 01:55	1
o-Xylene	0.00155	J	0.00198	0.000341	mg/Kg	-	12/03/21 09:11	12/05/21 01:55	1
Xylenes, Total	0.00155	J	0.00396	0.00100	mg/Kg	-	12/03/21 09:11	12/05/21 01:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	157	S1+	70 - 130	12/03/21 09:11	12/05/21 01:55	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-20

Lab Sample ID: 890-1666-52

Date Collected: 12/01/21 12:46

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	105		70 - 130	12/03/21 09:11	12/05/21 01:55	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00418		0.00396	0.00100	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	81.6		50.0	15.0	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	46.2	J *1	50.0	15.0	mg/Kg		12/06/21 14:16	12/07/21 17:41	1
Diesel Range Organics (Over C10-C28)	35.4	J	50.0	15.0	mg/Kg		12/06/21 14:16	12/07/21 17:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:16	12/07/21 17:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				12/06/21 14:16	12/07/21 17:41	1
o-Terphenyl	103		70 - 130				12/06/21 14:16	12/07/21 17:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.4		5.03	0.863	mg/Kg			12/10/21 20:07	1

Client Sample ID: EX-2P

Lab Sample ID: 890-1666-53

Date Collected: 12/01/21 12:49

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000382	mg/Kg		12/03/21 09:11	12/05/21 02:15	1
Toluene	<0.00198	U	0.00198	0.000452	mg/Kg		12/03/21 09:11	12/05/21 02:15	1
Ethylbenzene	<0.00198	U	0.00198	0.000561	mg/Kg		12/03/21 09:11	12/05/21 02:15	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	0.00100	mg/Kg		12/03/21 09:11	12/05/21 02:15	1
o-Xylene	<0.00198	U	0.00198	0.000341	mg/Kg		12/03/21 09:11	12/05/21 02:15	1
Xylenes, Total	<0.00397	U	0.00397	0.00100	mg/Kg		12/03/21 09:11	12/05/21 02:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130	12/03/21 09:11	12/05/21 02:15	1
1,4-Difluorobenzene (Surr)	110		70 - 130	12/03/21 09:11	12/05/21 02:15	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	0.00100	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	78.0		49.9	15.0	mg/Kg			12/10/21 15:57	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-2P

Date Collected: 12/01/21 12:49

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-53

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	49.3	J *1	49.9	15.0	mg/Kg		12/06/21 14:16	12/07/21 18:01	1
Diesel Range Organics (Over C10-C28)	28.7	J	49.9	15.0	mg/Kg		12/06/21 14:16	12/07/21 18:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 14:16	12/07/21 18:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				12/06/21 14:16	12/07/21 18:01	1
o-Terphenyl	111		70 - 130				12/06/21 14:16	12/07/21 18:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45.0		5.04	0.865	mg/Kg			12/10/21 20:15	1

Client Sample ID: EX-2Q

Date Collected: 12/01/21 12:52

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-54

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000701	J	0.00198	0.000382	mg/Kg		12/03/21 09:11	12/05/21 02:36	1
Toluene	<0.00198	U	0.00198	0.000452	mg/Kg		12/03/21 09:11	12/05/21 02:36	1
Ethylbenzene	<0.00198	U	0.00198	0.000561	mg/Kg		12/03/21 09:11	12/05/21 02:36	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	0.00100	mg/Kg		12/03/21 09:11	12/05/21 02:36	1
o-Xylene	<0.00198	U	0.00198	0.000341	mg/Kg		12/03/21 09:11	12/05/21 02:36	1
Xylenes, Total	<0.00397	U	0.00397	0.00100	mg/Kg		12/03/21 09:11	12/05/21 02:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				12/03/21 09:11	12/05/21 02:36	1
1,4-Difluorobenzene (Surr)	102		70 - 130				12/03/21 09:11	12/05/21 02:36	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	0.00100	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	78.5		50.0	15.0	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	48.4	J *1	50.0	15.0	mg/Kg		12/06/21 14:16	12/07/21 18:20	1
Diesel Range Organics (Over C10-C28)	30.1	J	50.0	15.0	mg/Kg		12/06/21 14:16	12/07/21 18:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:16	12/07/21 18:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				12/06/21 14:16	12/07/21 18:20	1
o-Terphenyl	101		70 - 130				12/06/21 14:16	12/07/21 18:20	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-2Q

Date Collected: 12/01/21 12:52

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-54

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	203		49.5	8.50	mg/Kg			12/11/21 00:18	10

Client Sample ID: EX-2R

Date Collected: 12/01/21 12:54

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-55

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		12/03/21 09:11	12/05/21 02:56	1
Toluene	0.000581	J	0.00200	0.000456	mg/Kg		12/03/21 09:11	12/05/21 02:56	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		12/03/21 09:11	12/05/21 02:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 09:11	12/05/21 02:56	1
o-Xylene	0.000782	J	0.00200	0.000344	mg/Kg		12/03/21 09:11	12/05/21 02:56	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 09:11	12/05/21 02:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				12/03/21 09:11	12/05/21 02:56	1
1,4-Difluorobenzene (Surr)	106		70 - 130				12/03/21 09:11	12/05/21 02:56	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00136	J	0.00400	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	74.7		50.0	15.0	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	43.7	J *1	50.0	15.0	mg/Kg		12/06/21 14:16	12/07/21 18:40	1
Diesel Range Organics (Over C10-C28)	31.0	J	50.0	15.0	mg/Kg		12/06/21 14:16	12/07/21 18:40	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:16	12/07/21 18:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				12/06/21 14:16	12/07/21 18:40	1
o-Terphenyl	104		70 - 130				12/06/21 14:16	12/07/21 18:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	93.4		5.01	0.860	mg/Kg			12/11/21 16:23	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-2S

Lab Sample ID: 890-1666-56

Date Collected: 12/01/21 12:57

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg	-	12/03/21 09:11	12/05/21 03:17	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg	-	12/03/21 09:11	12/05/21 03:17	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg	-	12/03/21 09:11	12/05/21 03:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg	-	12/03/21 09:11	12/05/21 03:17	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg	-	12/03/21 09:11	12/05/21 03:17	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg	-	12/03/21 09:11	12/05/21 03:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	12/03/21 09:11	12/05/21 03:17	1
1,4-Difluorobenzene (Surr)	102		70 - 130	12/03/21 09:11	12/05/21 03:17	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg	-		12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	74.9		49.9	15.0	mg/Kg	-		12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	45.9	J *1	49.9	15.0	mg/Kg	-	12/06/21 14:16	12/07/21 18:59	1
Diesel Range Organics (Over C10-C28)	29.0	J	49.9	15.0	mg/Kg	-	12/06/21 14:16	12/07/21 18:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg	-	12/06/21 14:16	12/07/21 18:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	12/06/21 14:16	12/07/21 18:59	1
o-Terphenyl	98		70 - 130	12/06/21 14:16	12/07/21 18:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.1		4.97	0.853	mg/Kg	-		12/11/21 16:31	1

Client Sample ID: EX-2T

Lab Sample ID: 890-1666-57

Date Collected: 12/01/21 13:00

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000386	mg/Kg	-	12/03/21 09:11	12/05/21 03:37	1
Toluene	<0.00200	U	0.00200	0.000457	mg/Kg	-	12/03/21 09:11	12/05/21 03:37	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg	-	12/03/21 09:11	12/05/21 03:37	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg	-	12/03/21 09:11	12/05/21 03:37	1
o-Xylene	<0.00200	U	0.00200	0.000345	mg/Kg	-	12/03/21 09:11	12/05/21 03:37	1
Xylenes, Total	<0.00401	U	0.00401	0.00101	mg/Kg	-	12/03/21 09:11	12/05/21 03:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	12/03/21 09:11	12/05/21 03:37	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-2T

Lab Sample ID: 890-1666-57

Date Collected: 12/01/21 13:00

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	94		70 - 130	12/03/21 09:11	12/05/21 03:37	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	76.5		49.8	14.9	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	45.2	J *1	49.8	14.9	mg/Kg		12/06/21 14:16	12/07/21 19:19	1
Diesel Range Organics (Over C10-C28)	31.3	J	49.8	14.9	mg/Kg		12/06/21 14:16	12/07/21 19:19	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		12/06/21 14:16	12/07/21 19:19	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	86		70 - 130	12/06/21 14:16	12/07/21 19:19	1			
o-Terphenyl	101		70 - 130	12/06/21 14:16	12/07/21 19:19	1			

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	227		5.00	0.858	mg/Kg			12/11/21 16:40	1

Client Sample ID: EX-2U

Lab Sample ID: 890-1666-58

Date Collected: 12/01/21 13:03

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		12/03/21 09:11	12/05/21 03:57	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		12/03/21 09:11	12/05/21 03:57	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		12/03/21 09:11	12/05/21 03:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		12/03/21 09:11	12/05/21 03:57	1
o-Xylene	0.000495	J	0.00199	0.000343	mg/Kg		12/03/21 09:11	12/05/21 03:57	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		12/03/21 09:11	12/05/21 03:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	12/03/21 09:11	12/05/21 03:57	1
1,4-Difluorobenzene (Surr)	102		70 - 130	12/03/21 09:11	12/05/21 03:57	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	92.1		50.0	15.0	mg/Kg			12/10/21 15:57	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-2U

Date Collected: 12/01/21 13:03

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-58

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	45.3	J *1	50.0	15.0	mg/Kg	-	12/06/21 14:16	12/07/21 19:38	1
Diesel Range Organics (Over C10-C28)	46.8	J	50.0	15.0	mg/Kg	-	12/06/21 14:16	12/07/21 19:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg	-	12/06/21 14:16	12/07/21 19:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				12/06/21 14:16	12/07/21 19:38	1
o-Terphenyl	109		70 - 130				12/06/21 14:16	12/07/21 19:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.9		5.00	0.858	mg/Kg	-		12/11/21 16:48	1

Client Sample ID: EX-2 W1

Date Collected: 12/01/21 13:05

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-59

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000715	J	0.00201	0.000387	mg/Kg	-	12/03/21 09:11	12/05/21 04:18	1
Toluene	0.00189	J	0.00201	0.000459	mg/Kg	-	12/03/21 09:11	12/05/21 04:18	1
Ethylbenzene	<0.00201	U	0.00201	0.000568	mg/Kg	-	12/03/21 09:11	12/05/21 04:18	1
m-Xylene & p-Xylene	0.00215	J	0.00402	0.00102	mg/Kg	-	12/03/21 09:11	12/05/21 04:18	1
o-Xylene	0.00197	J	0.00201	0.000346	mg/Kg	-	12/03/21 09:11	12/05/21 04:18	1
Xylenes, Total	0.00412		0.00402	0.00102	mg/Kg	-	12/03/21 09:11	12/05/21 04:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				12/03/21 09:11	12/05/21 04:18	1
1,4-Difluorobenzene (Surr)	78		70 - 130				12/03/21 09:11	12/05/21 04:18	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00673		0.00402	0.00102	mg/Kg	-		12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	80.9		50.0	15.0	mg/Kg	-		12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	47.0	J *1	50.0	15.0	mg/Kg	-	12/06/21 14:16	12/07/21 19:57	1
Diesel Range Organics (Over C10-C28)	33.9	J	50.0	15.0	mg/Kg	-	12/06/21 14:16	12/07/21 19:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg	-	12/06/21 14:16	12/07/21 19:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				12/06/21 14:16	12/07/21 19:57	1
o-Terphenyl	110		70 - 130				12/06/21 14:16	12/07/21 19:57	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-2 W1

Date Collected: 12/01/21 13:05

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-59

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.9		5.03	0.863	mg/Kg			12/11/21 16:56	1

Client Sample ID: EX-2 W2

Date Collected: 12/01/21 13:08

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-60

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		12/03/21 09:11	12/05/21 04:38	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		12/03/21 09:11	12/05/21 04:38	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		12/03/21 09:11	12/05/21 04:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		12/03/21 09:11	12/05/21 04:38	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		12/03/21 09:11	12/05/21 04:38	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		12/03/21 09:11	12/05/21 04:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				12/03/21 09:11	12/05/21 04:38	1
1,4-Difluorobenzene (Surr)	88		70 - 130				12/03/21 09:11	12/05/21 04:38	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	72.3		49.9	15.0	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	41.6	J *1	49.9	15.0	mg/Kg		12/06/21 14:16	12/07/21 20:17	1
Diesel Range Organics (Over C10-C28)	30.7	J	49.9	15.0	mg/Kg		12/06/21 14:16	12/07/21 20:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 14:16	12/07/21 20:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				12/06/21 14:16	12/07/21 20:17	1
o-Terphenyl	106		70 - 130				12/06/21 14:16	12/07/21 20:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	132		5.04	0.865	mg/Kg			12/11/21 01:08	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-2 W3

Lab Sample ID: 890-1666-61

Date Collected: 12/01/21 13:11

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F2 F1	0.00199	0.000383	mg/Kg	-	12/03/21 09:16	12/05/21 08:00	1
Toluene	<0.00199	U F2 F1	0.00199	0.000453	mg/Kg	-	12/03/21 09:16	12/05/21 08:00	1
Ethylbenzene	<0.00199	U F2 F1	0.00199	0.000562	mg/Kg	-	12/03/21 09:16	12/05/21 08:00	1
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.00398	0.00100	mg/Kg	-	12/03/21 09:16	12/05/21 08:00	1
o-Xylene	0.000395	J F2 F1	0.00199	0.000342	mg/Kg	-	12/03/21 09:16	12/05/21 08:00	1
Xylenes, Total	<0.00398	U F2 F1	0.00398	0.00100	mg/Kg	-	12/03/21 09:16	12/05/21 08:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	12/03/21 09:16	12/05/21 08:00	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/03/21 09:16	12/05/21 08:00	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg	-		12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	49.8	J	49.9	15.0	mg/Kg	-		12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	17.4	J	49.9	15.0	mg/Kg	-	12/06/21 14:21	12/07/21 13:04	1
Diesel Range Organics (Over C10-C28)	32.4	J	49.9	15.0	mg/Kg	-	12/06/21 14:21	12/07/21 13:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg	-	12/06/21 14:21	12/07/21 13:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130	12/06/21 14:21	12/07/21 13:04	1
o-Terphenyl	79		70 - 130	12/06/21 14:21	12/07/21 13:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		5.00	0.858	mg/Kg	-		12/10/21 17:54	1

Client Sample ID: EX-2 W4

Lab Sample ID: 890-1666-62

Date Collected: 12/01/21 13:14

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000389	mg/Kg	-	12/03/21 09:16	12/05/21 08:21	1
Toluene	<0.00202	U	0.00202	0.000461	mg/Kg	-	12/03/21 09:16	12/05/21 08:21	1
Ethylbenzene	<0.00202	U	0.00202	0.000571	mg/Kg	-	12/03/21 09:16	12/05/21 08:21	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00102	mg/Kg	-	12/03/21 09:16	12/05/21 08:21	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg	-	12/03/21 09:16	12/05/21 08:21	1
Xylenes, Total	<0.00404	U	0.00404	0.00102	mg/Kg	-	12/03/21 09:16	12/05/21 08:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	12/03/21 09:16	12/05/21 08:21	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-2 W4

Lab Sample ID: 890-1666-62

Date Collected: 12/01/21 13:14

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	108		70 - 130	12/03/21 09:16	12/05/21 08:21	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	0.00102	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.6		50.0	15.0	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	20.9	J	50.0	15.0	mg/Kg		12/06/21 14:21	12/07/21 14:03	1
Diesel Range Organics (Over C10-C28)	31.7	J	50.0	15.0	mg/Kg		12/06/21 14:21	12/07/21 14:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:21	12/07/21 14:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130				12/06/21 14:21	12/07/21 14:03	1
o-Terphenyl	79		70 - 130				12/06/21 14:21	12/07/21 14:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	540		5.03	0.863	mg/Kg			12/10/21 09:15	1

Client Sample ID: EX-2 W5

Lab Sample ID: 890-1666-63

Date Collected: 12/01/21 13:17

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000389	mg/Kg		12/03/21 09:16	12/05/21 08:41	1
Toluene	<0.00202	U	0.00202	0.000461	mg/Kg		12/03/21 09:16	12/05/21 08:41	1
Ethylbenzene	<0.00202	U	0.00202	0.000571	mg/Kg		12/03/21 09:16	12/05/21 08:41	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00102	mg/Kg		12/03/21 09:16	12/05/21 08:41	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		12/03/21 09:16	12/05/21 08:41	1
Xylenes, Total	<0.00404	U	0.00404	0.00102	mg/Kg		12/03/21 09:16	12/05/21 08:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	12/03/21 09:16	12/05/21 08:41	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/03/21 09:16	12/05/21 08:41	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	0.00102	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	54.2		49.9	15.0	mg/Kg			12/10/21 15:57	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-2 W5

Lab Sample ID: 890-1666-63

Date Collected: 12/01/21 13:17

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	23.4	J	49.9	15.0	mg/Kg		12/06/21 14:21	12/07/21 14:23	1
Diesel Range Organics (Over C10-C28)	30.8	J	49.9	15.0	mg/Kg		12/06/21 14:21	12/07/21 14:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 14:21	12/07/21 14:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	63	S1-	70 - 130				12/06/21 14:21	12/07/21 14:23	1
o-Terphenyl	69	S1-	70 - 130				12/06/21 14:21	12/07/21 14:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.66		5.04	0.865	mg/Kg			12/10/21 09:26	1

Client Sample ID: EX-3A

Lab Sample ID: 890-1666-64

Date Collected: 12/01/21 13:35

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		12/03/21 09:16	12/05/21 09:02	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		12/03/21 09:16	12/05/21 09:02	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		12/03/21 09:16	12/05/21 09:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		12/03/21 09:16	12/05/21 09:02	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		12/03/21 09:16	12/05/21 09:02	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		12/03/21 09:16	12/05/21 09:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				12/03/21 09:16	12/05/21 09:02	1
1,4-Difluorobenzene (Surr)	95		70 - 130				12/03/21 09:16	12/05/21 09:02	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	58.2		49.9	15.0	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	27.2	J	49.9	15.0	mg/Kg		12/06/21 14:21	12/07/21 14:43	1
Diesel Range Organics (Over C10-C28)	31.0	J	49.9	15.0	mg/Kg		12/06/21 14:21	12/07/21 14:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 14:21	12/07/21 14:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130				12/06/21 14:21	12/07/21 14:43	1
o-Terphenyl	80		70 - 130				12/06/21 14:21	12/07/21 14:43	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3A

Date Collected: 12/01/21 13:35

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-64

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	496	F1	50.0	8.58	mg/Kg			12/15/21 18:12	10

Client Sample ID: EX-3B

Date Collected: 12/01/21 13:37

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-65

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		12/03/21 09:16	12/05/21 09:22	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		12/03/21 09:16	12/05/21 09:22	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		12/03/21 09:16	12/05/21 09:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 09:16	12/05/21 09:22	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		12/03/21 09:16	12/05/21 09:22	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 09:16	12/05/21 09:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				12/03/21 09:16	12/05/21 09:22	1
1,4-Difluorobenzene (Surr)	110		70 - 130				12/03/21 09:16	12/05/21 09:22	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	57.6		49.8	14.9	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	23.0	J	49.8	14.9	mg/Kg		12/06/21 14:21	12/07/21 15:03	1
Diesel Range Organics (Over C10-C28)	34.6	J	49.8	14.9	mg/Kg		12/06/21 14:21	12/07/21 15:03	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		12/06/21 14:21	12/07/21 15:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				12/06/21 14:21	12/07/21 15:03	1
o-Terphenyl	82		70 - 130				12/06/21 14:21	12/07/21 15:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	329		5.01	0.860	mg/Kg			12/16/21 11:30	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3C

Lab Sample ID: 890-1666-66

Date Collected: 12/01/21 13:40

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000381	mg/Kg	-	12/03/21 09:16	12/05/21 09:42	1
Toluene	<0.00198	U	0.00198	0.000451	mg/Kg	-	12/03/21 09:16	12/05/21 09:42	1
Ethylbenzene	<0.00198	U	0.00198	0.000559	mg/Kg	-	12/03/21 09:16	12/05/21 09:42	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00100	mg/Kg	-	12/03/21 09:16	12/05/21 09:42	1
o-Xylene	<0.00198	U	0.00198	0.000341	mg/Kg	-	12/03/21 09:16	12/05/21 09:42	1
Xylenes, Total	<0.00396	U	0.00396	0.00100	mg/Kg	-	12/03/21 09:16	12/05/21 09:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	180	S1+	70 - 130	12/03/21 09:16	12/05/21 09:42	1
1,4-Difluorobenzene (Surr)	107		70 - 130	12/03/21 09:16	12/05/21 09:42	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	0.00100	mg/Kg	-		12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	65.3		49.9	15.0	mg/Kg	-		12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	25.7	J	49.9	15.0	mg/Kg	-	12/06/21 14:21	12/07/21 15:23	1
Diesel Range Organics (Over C10-C28)	39.6	J	49.9	15.0	mg/Kg	-	12/06/21 14:21	12/07/21 15:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg	-	12/06/21 14:21	12/07/21 15:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130	12/06/21 14:21	12/07/21 15:23	1
o-Terphenyl	85		70 - 130	12/06/21 14:21	12/07/21 15:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	241		4.99	0.857	mg/Kg	-		12/16/21 11:41	1

Client Sample ID: EX-3D

Lab Sample ID: 890-1666-67

Date Collected: 12/01/21 13:42

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000382	mg/Kg	-	12/03/21 09:16	12/05/21 10:03	1
Toluene	<0.00198	U	0.00198	0.000452	mg/Kg	-	12/03/21 09:16	12/05/21 10:03	1
Ethylbenzene	<0.00198	U	0.00198	0.000561	mg/Kg	-	12/03/21 09:16	12/05/21 10:03	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	0.00100	mg/Kg	-	12/03/21 09:16	12/05/21 10:03	1
o-Xylene	<0.00198	U	0.00198	0.000341	mg/Kg	-	12/03/21 09:16	12/05/21 10:03	1
Xylenes, Total	<0.00397	U	0.00397	0.00100	mg/Kg	-	12/03/21 09:16	12/05/21 10:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	12/03/21 09:16	12/05/21 10:03	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3D

Lab Sample ID: 890-1666-67

Date Collected: 12/01/21 13:42

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	102		70 - 130	12/03/21 09:16	12/05/21 10:03	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	0.00100	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	71.1		49.8	14.9	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	37.5	J	49.8	14.9	mg/Kg		12/06/21 14:21	12/07/21 15:42	1
Diesel Range Organics (Over C10-C28)	33.6	J	49.8	14.9	mg/Kg		12/06/21 14:21	12/07/21 15:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		12/06/21 14:21	12/07/21 15:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				12/06/21 14:21	12/07/21 15:42	1
o-Terphenyl	90		70 - 130				12/06/21 14:21	12/07/21 15:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.6		4.98	0.855	mg/Kg			12/16/21 11:52	1

Client Sample ID: EX-3E

Lab Sample ID: 890-1666-68

Date Collected: 12/01/21 13:45

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000386	mg/Kg		12/03/21 09:16	12/05/21 10:23	1
Toluene	<0.00200	U	0.00200	0.000457	mg/Kg		12/03/21 09:16	12/05/21 10:23	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg		12/03/21 09:16	12/05/21 10:23	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg		12/03/21 09:16	12/05/21 10:23	1
o-Xylene	<0.00200	U	0.00200	0.000345	mg/Kg		12/03/21 09:16	12/05/21 10:23	1
Xylenes, Total	<0.00401	U	0.00401	0.00101	mg/Kg		12/03/21 09:16	12/05/21 10:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	12/03/21 09:16	12/05/21 10:23	1
1,4-Difluorobenzene (Surr)	104		70 - 130	12/03/21 09:16	12/05/21 10:23	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	58.4		50.0	15.0	mg/Kg			12/10/21 15:57	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3E

Date Collected: 12/01/21 13:45

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-68

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	27.2	J	50.0	15.0	mg/Kg		12/06/21 14:21	12/07/21 16:02	1
Diesel Range Organics (Over C10-C28)	31.2	J	50.0	15.0	mg/Kg		12/06/21 14:21	12/07/21 16:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:21	12/07/21 16:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	65	S1-	70 - 130				12/06/21 14:21	12/07/21 16:02	1
o-Terphenyl	75		70 - 130				12/06/21 14:21	12/07/21 16:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.9		4.99	0.857	mg/Kg			12/15/21 19:18	1

Client Sample ID: EX-3F

Date Collected: 12/01/21 13:47

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-69

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		12/03/21 09:16	12/05/21 10:44	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		12/03/21 09:16	12/05/21 10:44	1
Ethylbenzene	0.000981	J	0.00199	0.000562	mg/Kg		12/03/21 09:16	12/05/21 10:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		12/03/21 09:16	12/05/21 10:44	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		12/03/21 09:16	12/05/21 10:44	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		12/03/21 09:16	12/05/21 10:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				12/03/21 09:16	12/05/21 10:44	1
1,4-Difluorobenzene (Surr)	107		70 - 130				12/03/21 09:16	12/05/21 10:44	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	55.4		50.0	15.0	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	24.0	J	50.0	15.0	mg/Kg		12/06/21 14:21	12/07/21 16:22	1
Diesel Range Organics (Over C10-C28)	31.4	J	50.0	15.0	mg/Kg		12/06/21 14:21	12/07/21 16:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:21	12/07/21 16:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130				12/06/21 14:21	12/07/21 16:22	1
o-Terphenyl	84		70 - 130				12/06/21 14:21	12/07/21 16:22	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3F

Date Collected: 12/01/21 13:47

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-69

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	452		4.95	0.850	mg/Kg			12/16/21 12:03	1

Client Sample ID: EX-3G

Date Collected: 12/01/21 13:49

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-70

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		12/03/21 09:16	12/05/21 11:04	1
Toluene	<0.00201	U	0.00201	0.000459	mg/Kg		12/03/21 09:16	12/05/21 11:04	1
Ethylbenzene	<0.00201	U	0.00201	0.000568	mg/Kg		12/03/21 09:16	12/05/21 11:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00102	mg/Kg		12/03/21 09:16	12/05/21 11:04	1
o-Xylene	<0.00201	U	0.00201	0.000346	mg/Kg		12/03/21 09:16	12/05/21 11:04	1
Xylenes, Total	<0.00402	U	0.00402	0.00102	mg/Kg		12/03/21 09:16	12/05/21 11:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				12/03/21 09:16	12/05/21 11:04	1
1,4-Difluorobenzene (Surr)	103		70 - 130				12/03/21 09:16	12/05/21 11:04	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00102	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	64.3		49.9	15.0	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	31.1	J	49.9	15.0	mg/Kg		12/06/21 14:21	12/07/21 16:42	1
Diesel Range Organics (Over C10-C28)	33.2	J	49.9	15.0	mg/Kg		12/06/21 14:21	12/07/21 16:42	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 14:21	12/07/21 16:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 130				12/06/21 14:21	12/07/21 16:42	1
o-Terphenyl	82		70 - 130				12/06/21 14:21	12/07/21 16:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	270		5.00	0.858	mg/Kg			12/16/21 12:14	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3H

Lab Sample ID: 890-1666-71

Date Collected: 12/01/21 13:52

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000386	mg/Kg	-	12/03/21 09:16	12/05/21 12:26	1
Toluene	<0.00200	U	0.00200	0.000457	mg/Kg	-	12/03/21 09:16	12/05/21 12:26	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg	-	12/03/21 09:16	12/05/21 12:26	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg	-	12/03/21 09:16	12/05/21 12:26	1
o-Xylene	<0.00200	U	0.00200	0.000345	mg/Kg	-	12/03/21 09:16	12/05/21 12:26	1
Xylenes, Total	<0.00401	U	0.00401	0.00101	mg/Kg	-	12/03/21 09:16	12/05/21 12:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	12/03/21 09:16	12/05/21 12:26	1
1,4-Difluorobenzene (Surr)	103		70 - 130	12/03/21 09:16	12/05/21 12:26	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	0.00101	mg/Kg	-		12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	102		50.0	15.0	mg/Kg	-		12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	25.8	J	50.0	15.0	mg/Kg	-	12/06/21 14:21	12/07/21 17:21	1
Diesel Range Organics (Over C10-C28)	76.0		50.0	15.0	mg/Kg	-	12/06/21 14:21	12/07/21 17:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg	-	12/06/21 14:21	12/07/21 17:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	58	S1-	70 - 130	12/06/21 14:21	12/07/21 17:21	1
o-Terphenyl	63	S1-	70 - 130	12/06/21 14:21	12/07/21 17:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	191		5.04	0.865	mg/Kg	-		12/16/21 12:25	1

Client Sample ID: EX-3I

Lab Sample ID: 890-1666-72

Date Collected: 12/01/21 13:55

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000486	J	0.00201	0.000387	mg/Kg	-	12/03/21 09:16	12/05/21 12:47	1
Toluene	<0.00201	U	0.00201	0.000458	mg/Kg	-	12/03/21 09:16	12/05/21 12:47	1
Ethylbenzene	<0.00201	U	0.00201	0.000567	mg/Kg	-	12/03/21 09:16	12/05/21 12:47	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00101	mg/Kg	-	12/03/21 09:16	12/05/21 12:47	1
o-Xylene	<0.00201	U	0.00201	0.000345	mg/Kg	-	12/03/21 09:16	12/05/21 12:47	1
Xylenes, Total	<0.00402	U	0.00402	0.00101	mg/Kg	-	12/03/21 09:16	12/05/21 12:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	12/03/21 09:16	12/05/21 12:47	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3I

Lab Sample ID: 890-1666-72

Date Collected: 12/01/21 13:55

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	101		70 - 130	12/03/21 09:16	12/05/21 12:47	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	53.5		50.0	15.0	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	24.1	J	50.0	15.0	mg/Kg		12/06/21 14:21	12/07/21 17:41	1
Diesel Range Organics (Over C10-C28)	29.4	J	50.0	15.0	mg/Kg		12/06/21 14:21	12/07/21 17:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:21	12/07/21 17:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	64	S1-	70 - 130				12/06/21 14:21	12/07/21 17:41	1
o-Terphenyl	74		70 - 130				12/06/21 14:21	12/07/21 17:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	158		4.98	0.855	mg/Kg			12/16/21 12:36	1

Client Sample ID: EX-3J

Lab Sample ID: 890-1666-73

Date Collected: 12/01/21 13:57

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		12/03/21 09:16	12/05/21 13:07	1
Toluene	<0.00201	U	0.00201	0.000458	mg/Kg		12/03/21 09:16	12/05/21 13:07	1
Ethylbenzene	<0.00201	U	0.00201	0.000567	mg/Kg		12/03/21 09:16	12/05/21 13:07	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00101	mg/Kg		12/03/21 09:16	12/05/21 13:07	1
o-Xylene	<0.00201	U	0.00201	0.000345	mg/Kg		12/03/21 09:16	12/05/21 13:07	1
Xylenes, Total	<0.00402	U	0.00402	0.00101	mg/Kg		12/03/21 09:16	12/05/21 13:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	12/03/21 09:16	12/05/21 13:07	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/03/21 09:16	12/05/21 13:07	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	50.1		49.9	15.0	mg/Kg			12/10/21 15:57	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3J

Lab Sample ID: 890-1666-73

Date Collected: 12/01/21 13:57

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	22.3	J	49.9	15.0	mg/Kg		12/06/21 14:21	12/07/21 18:01	1
Diesel Range Organics (Over C10-C28)	27.8	J	49.9	15.0	mg/Kg		12/06/21 14:21	12/07/21 18:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 14:21	12/07/21 18:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130				12/06/21 14:21	12/07/21 18:01	1
o-Terphenyl	78		70 - 130				12/06/21 14:21	12/07/21 18:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.0		4.98	0.855	mg/Kg			12/15/21 20:34	1

Client Sample ID: EX-3K

Lab Sample ID: 890-1666-74

Date Collected: 12/01/21 14:00

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000389	mg/Kg		12/03/21 09:16	12/05/21 13:28	1
Toluene	<0.00202	U	0.00202	0.000461	mg/Kg		12/03/21 09:16	12/05/21 13:28	1
Ethylbenzene	<0.00202	U	0.00202	0.000571	mg/Kg		12/03/21 09:16	12/05/21 13:28	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00102	mg/Kg		12/03/21 09:16	12/05/21 13:28	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		12/03/21 09:16	12/05/21 13:28	1
Xylenes, Total	<0.00404	U	0.00404	0.00102	mg/Kg		12/03/21 09:16	12/05/21 13:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130				12/03/21 09:16	12/05/21 13:28	1
1,4-Difluorobenzene (Surr)	107		70 - 130				12/03/21 09:16	12/05/21 13:28	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	0.00102	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	61.4		50.0	15.0	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	16.0	J	50.0	15.0	mg/Kg		12/06/21 14:21	12/07/21 18:20	1
Diesel Range Organics (Over C10-C28)	45.4	J	50.0	15.0	mg/Kg		12/06/21 14:21	12/07/21 18:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:21	12/07/21 18:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				12/06/21 14:21	12/07/21 18:20	1
o-Terphenyl	88		70 - 130				12/06/21 14:21	12/07/21 18:20	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3K

Date Collected: 12/01/21 14:00

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-74

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	752		49.5	8.50	mg/Kg			12/15/21 20:45	10

Client Sample ID: EX-3L

Date Collected: 12/01/21 14:02

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-75

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000388	J	0.00200	0.000386	mg/Kg		12/03/21 09:16	12/05/21 13:48	1
Toluene	0.000697	J	0.00200	0.000457	mg/Kg		12/03/21 09:16	12/05/21 13:48	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg		12/03/21 09:16	12/05/21 13:48	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg		12/03/21 09:16	12/05/21 13:48	1
o-Xylene	0.000389	J	0.00200	0.000345	mg/Kg		12/03/21 09:16	12/05/21 13:48	1
Xylenes, Total	<0.00401	U	0.00401	0.00101	mg/Kg		12/03/21 09:16	12/05/21 13:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				12/03/21 09:16	12/05/21 13:48	1
1,4-Difluorobenzene (Surr)	98		70 - 130				12/03/21 09:16	12/05/21 13:48	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00147	J	0.00401	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	127		50.0	15.0	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	16.6	J	50.0	15.0	mg/Kg		12/06/21 14:21	12/07/21 18:40	1
Diesel Range Organics (Over C10-C28)	110		50.0	15.0	mg/Kg		12/06/21 14:21	12/07/21 18:40	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:21	12/07/21 18:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130				12/06/21 14:21	12/07/21 18:40	1
o-Terphenyl	82		70 - 130				12/06/21 14:21	12/07/21 18:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	337		5.01	0.860	mg/Kg			12/16/21 12:46	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3M

Lab Sample ID: 890-1666-76

Date Collected: 12/01/21 14:06

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg	-	12/03/21 09:16	12/05/21 14:09	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg	-	12/03/21 09:16	12/05/21 14:09	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg	-	12/03/21 09:16	12/05/21 14:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg	-	12/03/21 09:16	12/05/21 14:09	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg	-	12/03/21 09:16	12/05/21 14:09	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg	-	12/03/21 09:16	12/05/21 14:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	12/03/21 09:16	12/05/21 14:09	1
1,4-Difluorobenzene (Surr)	76		70 - 130	12/03/21 09:16	12/05/21 14:09	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg	-		12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	79.6		49.9	15.0	mg/Kg	-		12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	23.5	J	49.9	15.0	mg/Kg	-	12/06/21 14:21	12/07/21 18:59	1
Diesel Range Organics (Over C10-C28)	56.1		49.9	15.0	mg/Kg	-	12/06/21 14:21	12/07/21 18:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg	-	12/06/21 14:21	12/07/21 18:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	66	S1-	70 - 130	12/06/21 14:21	12/07/21 18:59	1
o-Terphenyl	76		70 - 130	12/06/21 14:21	12/07/21 18:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	405		4.97	0.853	mg/Kg	-		12/16/21 12:57	1

Client Sample ID: EX-3N

Lab Sample ID: 890-1666-77

Date Collected: 12/01/21 14:10

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000389	mg/Kg	-	12/03/21 09:16	12/05/21 14:29	1
Toluene	<0.00202	U	0.00202	0.000461	mg/Kg	-	12/03/21 09:16	12/05/21 14:29	1
Ethylbenzene	<0.00202	U	0.00202	0.000571	mg/Kg	-	12/03/21 09:16	12/05/21 14:29	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00102	mg/Kg	-	12/03/21 09:16	12/05/21 14:29	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg	-	12/03/21 09:16	12/05/21 14:29	1
Xylenes, Total	<0.00404	U	0.00404	0.00102	mg/Kg	-	12/03/21 09:16	12/05/21 14:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	12/03/21 09:16	12/05/21 14:29	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3N

Lab Sample ID: 890-1666-77

Date Collected: 12/01/21 14:10

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	77		70 - 130	12/03/21 09:16	12/05/21 14:29	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	0.00102	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	53.4		49.8	14.9	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	22.9	J	49.8	14.9	mg/Kg		12/06/21 14:21	12/07/21 19:19	1
Diesel Range Organics (Over C10-C28)	30.5	J	49.8	14.9	mg/Kg		12/06/21 14:21	12/07/21 19:19	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		12/06/21 14:21	12/07/21 19:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 130				12/06/21 14:21	12/07/21 19:19	1
o-Terphenyl	80		70 - 130				12/06/21 14:21	12/07/21 19:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	187		49.8	8.55	mg/Kg			12/15/21 22:01	10

Client Sample ID: EX-3O

Lab Sample ID: 890-1666-78

Date Collected: 12/01/21 14:12

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000942	J	0.00202	0.000388	mg/Kg		12/03/21 09:16	12/05/21 14:49	1
Toluene	<0.00202	U	0.00202	0.000460	mg/Kg		12/03/21 09:16	12/05/21 14:49	1
Ethylbenzene	<0.00202	U	0.00202	0.000570	mg/Kg		12/03/21 09:16	12/05/21 14:49	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00102	mg/Kg		12/03/21 09:16	12/05/21 14:49	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		12/03/21 09:16	12/05/21 14:49	1
Xylenes, Total	<0.00403	U	0.00403	0.00102	mg/Kg		12/03/21 09:16	12/05/21 14:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	12/03/21 09:16	12/05/21 14:49	1
1,4-Difluorobenzene (Surr)	102		70 - 130	12/03/21 09:16	12/05/21 14:49	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	0.00102	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	74.3		50.0	15.0	mg/Kg			12/10/21 15:57	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-30

Date Collected: 12/01/21 14:12

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-78

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	19.5	J	50.0	15.0	mg/Kg		12/06/21 14:21	12/07/21 19:38	1
Diesel Range Organics (Over C10-C28)	54.8		50.0	15.0	mg/Kg		12/06/21 14:21	12/07/21 19:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:21	12/07/21 19:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				12/06/21 14:21	12/07/21 19:38	1
o-Terphenyl	92		70 - 130				12/06/21 14:21	12/07/21 19:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	183		4.95	0.850	mg/Kg			12/16/21 13:08	1

Client Sample ID: EX-3P

Date Collected: 12/01/21 14:15

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-79

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000388	mg/Kg		12/03/21 09:16	12/05/21 15:10	1
Toluene	<0.00202	U	0.00202	0.000460	mg/Kg		12/03/21 09:16	12/05/21 15:10	1
Ethylbenzene	<0.00202	U	0.00202	0.000570	mg/Kg		12/03/21 09:16	12/05/21 15:10	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00102	mg/Kg		12/03/21 09:16	12/05/21 15:10	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		12/03/21 09:16	12/05/21 15:10	1
Xylenes, Total	<0.00403	U	0.00403	0.00102	mg/Kg		12/03/21 09:16	12/05/21 15:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				12/03/21 09:16	12/05/21 15:10	1
1,4-Difluorobenzene (Surr)	87		70 - 130				12/03/21 09:16	12/05/21 15:10	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	0.00102	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.3		50.0	15.0	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	19.6	J	50.0	15.0	mg/Kg		12/06/21 14:21	12/07/21 19:57	1
Diesel Range Organics (Over C10-C28)	32.7	J	50.0	15.0	mg/Kg		12/06/21 14:21	12/07/21 19:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:21	12/07/21 19:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				12/06/21 14:21	12/07/21 19:57	1
o-Terphenyl	93		70 - 130				12/06/21 14:21	12/07/21 19:57	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3P

Date Collected: 12/01/21 14:15

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-79

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	422		50.0	8.58	mg/Kg			12/15/21 22:23	10

Client Sample ID: EX-3Q

Date Collected: 12/01/21 14:18

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-80

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000860	J	0.00202	0.000388	mg/Kg		12/03/21 09:16	12/05/21 15:30	1
Toluene	0.000927	J	0.00202	0.000460	mg/Kg		12/03/21 09:16	12/05/21 15:30	1
Ethylbenzene	<0.00202	U	0.00202	0.000570	mg/Kg		12/03/21 09:16	12/05/21 15:30	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00102	mg/Kg		12/03/21 09:16	12/05/21 15:30	1
o-Xylene	0.00101	J	0.00202	0.000347	mg/Kg		12/03/21 09:16	12/05/21 15:30	1
Xylenes, Total	<0.00403	U	0.00403	0.00102	mg/Kg		12/03/21 09:16	12/05/21 15:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				12/03/21 09:16	12/05/21 15:30	1
1,4-Difluorobenzene (Surr)	99		70 - 130				12/03/21 09:16	12/05/21 15:30	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00280	J	0.00403	0.00102	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	66.4		49.9	15.0	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	22.6	J	49.9	15.0	mg/Kg		12/06/21 14:21	12/07/21 20:17	1
Diesel Range Organics (Over C10-C28)	43.8	J	49.9	15.0	mg/Kg		12/06/21 14:21	12/07/21 20:17	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 14:21	12/07/21 20:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				12/06/21 14:21	12/07/21 20:17	1
o-Terphenyl	116		70 - 130				12/06/21 14:21	12/07/21 20:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	397		5.01	0.860	mg/Kg			12/16/21 13:41	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3R

Lab Sample ID: 890-1666-81

Date Collected: 12/01/21 14:21

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg	-	12/03/21 09:22	12/06/21 11:03	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg	-	12/03/21 09:22	12/06/21 11:03	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg	-	12/03/21 09:22	12/06/21 11:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg	-	12/03/21 09:22	12/06/21 11:03	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg	-	12/03/21 09:22	12/06/21 11:03	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg	-	12/03/21 09:22	12/06/21 11:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	12/03/21 09:22	12/06/21 11:03	1
1,4-Difluorobenzene (Surr)	102		70 - 130	12/03/21 09:22	12/06/21 11:03	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg	-		12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.0	mg/Kg	-		12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg	-	12/06/21 14:44	12/07/21 13:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg	-	12/06/21 14:44	12/07/21 13:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg	-	12/06/21 14:44	12/07/21 13:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130	12/06/21 14:44	12/07/21 13:19	1
o-Terphenyl	74		70 - 130	12/06/21 14:44	12/07/21 13:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	218		4.95	0.850	mg/Kg	-		12/16/21 13:52	1

Client Sample ID: EX-3S

Lab Sample ID: 890-1666-82

Date Collected: 12/01/21 14:23

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg	-	12/03/21 09:22	12/06/21 11:23	1
Toluene	0.00110	J	0.00200	0.000456	mg/Kg	-	12/03/21 09:22	12/06/21 11:23	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg	-	12/03/21 09:22	12/06/21 11:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg	-	12/03/21 09:22	12/06/21 11:23	1
o-Xylene	0.000603	J	0.00200	0.000344	mg/Kg	-	12/03/21 09:22	12/06/21 11:23	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg	-	12/03/21 09:22	12/06/21 11:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	12/03/21 09:22	12/06/21 11:23	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3S

Lab Sample ID: 890-1666-82

Date Collected: 12/01/21 14:23

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	95		70 - 130	12/03/21 09:22	12/06/21 11:23	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00170	J	0.00400	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.0	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:44	12/07/21 14:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:44	12/07/21 14:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:44	12/07/21 14:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				12/06/21 14:44	12/07/21 14:25	1
o-Terphenyl	107		70 - 130				12/06/21 14:44	12/07/21 14:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2170		50.4	8.65	mg/Kg			12/15/21 22:56	10

Client Sample ID: EX-3T

Lab Sample ID: 890-1666-83

Date Collected: 12/01/21 14:26

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		12/03/21 09:22	12/06/21 11:43	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		12/03/21 09:22	12/06/21 11:43	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		12/03/21 09:22	12/06/21 11:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		12/03/21 09:22	12/06/21 11:43	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		12/03/21 09:22	12/06/21 11:43	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		12/03/21 09:22	12/06/21 11:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	12/03/21 09:22	12/06/21 11:43	1
1,4-Difluorobenzene (Surr)	89		70 - 130	12/03/21 09:22	12/06/21 11:43	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	40.9	J	49.9	15.0	mg/Kg			12/10/21 15:57	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3T

Date Collected: 12/01/21 14:26

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-83

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		12/06/21 14:44	12/07/21 14:47	1
Diesel Range Organics (Over C10-C28)	40.9	J	49.9	15.0	mg/Kg		12/06/21 14:44	12/07/21 14:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 14:44	12/07/21 14:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				12/06/21 14:44	12/07/21 14:47	1
o-Terphenyl	92		70 - 130				12/06/21 14:44	12/07/21 14:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	595		50.0	8.58	mg/Kg			12/15/21 23:07	10

Client Sample ID: EX-3U

Date Collected: 12/01/21 14:30

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-84

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00182	J	0.00202	0.000388	mg/Kg		12/03/21 09:22	12/06/21 12:04	1
Toluene	0.00190	J	0.00202	0.000460	mg/Kg		12/03/21 09:22	12/06/21 12:04	1
Ethylbenzene	<0.00202	U	0.00202	0.000570	mg/Kg		12/03/21 09:22	12/06/21 12:04	1
m-Xylene & p-Xylene	0.00115	J	0.00403	0.00102	mg/Kg		12/03/21 09:22	12/06/21 12:04	1
o-Xylene	0.00151	J	0.00202	0.000347	mg/Kg		12/03/21 09:22	12/06/21 12:04	1
Xylenes, Total	0.00266	J	0.00403	0.00102	mg/Kg		12/03/21 09:22	12/06/21 12:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				12/03/21 09:22	12/06/21 12:04	1
1,4-Difluorobenzene (Surr)	101		70 - 130				12/03/21 09:22	12/06/21 12:04	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00638		0.00403	0.00102	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.0	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		12/06/21 14:44	12/07/21 15:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 14:44	12/07/21 15:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 14:44	12/07/21 15:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				12/06/21 14:44	12/07/21 15:09	1
o-Terphenyl	99		70 - 130				12/06/21 14:44	12/07/21 15:09	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3U

Date Collected: 12/01/21 14:30

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-84

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	397		4.98	0.855	mg/Kg			12/10/21 01:27	1

Client Sample ID: EX-3V

Date Collected: 12/01/21 14:33

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-85

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000788	J	0.00200	0.000384	mg/Kg		12/03/21 09:22	12/06/21 12:24	1
Toluene	0.000679	J	0.00200	0.000455	mg/Kg		12/03/21 09:22	12/06/21 12:24	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		12/03/21 09:22	12/06/21 12:24	1
m-Xylene & p-Xylene	0.00102	J	0.00399	0.00101	mg/Kg		12/03/21 09:22	12/06/21 12:24	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		12/03/21 09:22	12/06/21 12:24	1
Xylenes, Total	0.00102	J	0.00399	0.00101	mg/Kg		12/03/21 09:22	12/06/21 12:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				12/03/21 09:22	12/06/21 12:24	1
1,4-Difluorobenzene (Surr)	94		70 - 130				12/03/21 09:22	12/06/21 12:24	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00249	J	0.00399	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	14.9	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	14.9	mg/Kg		12/06/21 14:44	12/07/21 15:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	14.9	mg/Kg		12/06/21 14:44	12/07/21 15:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		12/06/21 14:44	12/07/21 15:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				12/06/21 14:44	12/07/21 15:31	1
o-Terphenyl	94		70 - 130				12/06/21 14:44	12/07/21 15:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	193		5.04	0.865	mg/Kg			12/10/21 01:47	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3W

Lab Sample ID: 890-1666-86

Date Collected: 12/01/21 14:36

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000381	mg/Kg	-	12/03/21 09:22	12/06/21 12:45	1
Toluene	0.000570	J	0.00198	0.000451	mg/Kg	-	12/03/21 09:22	12/06/21 12:45	1
Ethylbenzene	<0.00198	U	0.00198	0.000559	mg/Kg	-	12/03/21 09:22	12/06/21 12:45	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00100	mg/Kg	-	12/03/21 09:22	12/06/21 12:45	1
o-Xylene	0.00111	J	0.00198	0.000341	mg/Kg	-	12/03/21 09:22	12/06/21 12:45	1
Xylenes, Total	0.00111	J	0.00396	0.00100	mg/Kg	-	12/03/21 09:22	12/06/21 12:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				12/03/21 09:22	12/06/21 12:45	1
1,4-Difluorobenzene (Surr)	101		70 - 130				12/03/21 09:22	12/06/21 12:45	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00168	J	0.00396	0.00100	mg/Kg	-		12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.0	mg/Kg	-		12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg	-	12/06/21 14:44	12/07/21 15:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg	-	12/06/21 14:44	12/07/21 15:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg	-	12/06/21 14:44	12/07/21 15:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				12/06/21 14:44	12/07/21 15:53	1
o-Terphenyl	109		70 - 130				12/06/21 14:44	12/07/21 15:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	585		4.99	0.857	mg/Kg	-		12/10/21 01:54	1

Client Sample ID: EX-3X

Lab Sample ID: 890-1666-87

Date Collected: 12/01/21 14:40

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000647	J	0.00200	0.000386	mg/Kg	-	12/03/21 09:22	12/06/21 13:05	1
Toluene	<0.00200	U	0.00200	0.000457	mg/Kg	-	12/03/21 09:22	12/06/21 13:05	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg	-	12/03/21 09:22	12/06/21 13:05	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg	-	12/03/21 09:22	12/06/21 13:05	1
o-Xylene	0.000664	J	0.00200	0.000345	mg/Kg	-	12/03/21 09:22	12/06/21 13:05	1
Xylenes, Total	<0.00401	U	0.00401	0.00101	mg/Kg	-	12/03/21 09:22	12/06/21 13:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				12/03/21 09:22	12/06/21 13:05	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3X

Lab Sample ID: 890-1666-87

Date Collected: 12/01/21 14:40

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	80		70 - 130	12/03/21 09:22	12/06/21 13:05	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00131	J	0.00401	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	14.9	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	14.9	mg/Kg		12/06/21 14:44	12/07/21 16:15	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	14.9	mg/Kg		12/06/21 14:44	12/07/21 16:15	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		12/06/21 14:44	12/07/21 16:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				12/06/21 14:44	12/07/21 16:15	1
o-Terphenyl	97		70 - 130				12/06/21 14:44	12/07/21 16:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	208		5.00	0.858	mg/Kg			12/10/21 02:00	1

Client Sample ID: EX-3Y

Lab Sample ID: 890-1666-88

Date Collected: 12/01/21 14:43

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		12/03/21 09:22	12/06/21 13:26	1
Toluene	0.000714	J	0.00201	0.000458	mg/Kg		12/03/21 09:22	12/06/21 13:26	1
Ethylbenzene	<0.00201	U	0.00201	0.000567	mg/Kg		12/03/21 09:22	12/06/21 13:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00101	mg/Kg		12/03/21 09:22	12/06/21 13:26	1
o-Xylene	0.000351	J	0.00201	0.000345	mg/Kg		12/03/21 09:22	12/06/21 13:26	1
Xylenes, Total	<0.00402	U	0.00402	0.00101	mg/Kg		12/03/21 09:22	12/06/21 13:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	12/03/21 09:22	12/06/21 13:26	1
1,4-Difluorobenzene (Surr)	94		70 - 130	12/03/21 09:22	12/06/21 13:26	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00107	J	0.00402	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.0	mg/Kg			12/10/21 15:57	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3Y

Date Collected: 12/01/21 14:43

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-88

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg	-	12/06/21 14:44	12/07/21 16:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg	-	12/06/21 14:44	12/07/21 16:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg	-	12/06/21 14:44	12/07/21 16:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				12/06/21 14:44	12/07/21 16:37	1
o-Terphenyl	90		70 - 130				12/06/21 14:44	12/07/21 16:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	228		4.95	0.850	mg/Kg	-		12/10/21 02:07	1

Client Sample ID: EX-3Z

Date Collected: 12/01/21 14:46

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-89

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000988	J	0.00199	0.000383	mg/Kg	-	12/03/21 09:22	12/06/21 13:46	1
Toluene	0.000588	J	0.00199	0.000453	mg/Kg	-	12/03/21 09:22	12/06/21 13:46	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg	-	12/03/21 09:22	12/06/21 13:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg	-	12/03/21 09:22	12/06/21 13:46	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg	-	12/03/21 09:22	12/06/21 13:46	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg	-	12/03/21 09:22	12/06/21 13:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				12/03/21 09:22	12/06/21 13:46	1
1,4-Difluorobenzene (Surr)	97		70 - 130				12/03/21 09:22	12/06/21 13:46	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00158	J	0.00398	0.00100	mg/Kg	-		12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.0	mg/Kg	-		12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg	-	12/06/21 14:44	12/07/21 16:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg	-	12/06/21 14:44	12/07/21 16:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg	-	12/06/21 14:44	12/07/21 16:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				12/06/21 14:44	12/07/21 16:58	1
o-Terphenyl	90		70 - 130				12/06/21 14:44	12/07/21 16:58	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3Z

Date Collected: 12/01/21 14:46

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-89

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	205		5.02	0.862	mg/Kg			12/10/21 02:27	1

Client Sample ID: EX-3 W1

Date Collected: 12/01/21 14:50

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-90

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000386	mg/Kg		12/03/21 09:22	12/06/21 14:06	1
Toluene	0.000802	J	0.00200	0.000457	mg/Kg		12/03/21 09:22	12/06/21 14:06	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg		12/03/21 09:22	12/06/21 14:06	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg		12/03/21 09:22	12/06/21 14:06	1
o-Xylene	0.000373	J	0.00200	0.000345	mg/Kg		12/03/21 09:22	12/06/21 14:06	1
Xylenes, Total	<0.00401	U	0.00401	0.00101	mg/Kg		12/03/21 09:22	12/06/21 14:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				12/03/21 09:22	12/06/21 14:06	1
1,4-Difluorobenzene (Surr)	88		70 - 130				12/03/21 09:22	12/06/21 14:06	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00118	J	0.00401	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.0	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		12/06/21 14:44	12/07/21 17:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 14:44	12/07/21 17:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 14:44	12/07/21 17:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				12/06/21 14:44	12/07/21 17:20	1
o-Terphenyl	90		70 - 130				12/06/21 14:44	12/07/21 17:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1770		24.9	4.27	mg/Kg			12/10/21 11:46	5

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3 W2

Lab Sample ID: 890-1666-91

Date Collected: 12/01/21 14:53

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg	-	12/03/21 09:22	12/06/21 15:56	1
Toluene	<0.00201	U	0.00201	0.000459	mg/Kg	-	12/03/21 09:22	12/06/21 15:56	1
Ethylbenzene	<0.00201	U	0.00201	0.000568	mg/Kg	-	12/03/21 09:22	12/06/21 15:56	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00102	mg/Kg	-	12/03/21 09:22	12/06/21 15:56	1
o-Xylene	0.000642	J	0.00201	0.000346	mg/Kg	-	12/03/21 09:22	12/06/21 15:56	1
Xylenes, Total	<0.00402	U	0.00402	0.00102	mg/Kg	-	12/03/21 09:22	12/06/21 15:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	12/03/21 09:22	12/06/21 15:56	1
1,4-Difluorobenzene (Surr)	102		70 - 130	12/03/21 09:22	12/06/21 15:56	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00102	mg/Kg	-		12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.0	mg/Kg	-		12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg	-	12/06/21 14:44	12/07/21 18:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg	-	12/06/21 14:44	12/07/21 18:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg	-	12/06/21 14:44	12/07/21 18:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	12/06/21 14:44	12/07/21 18:05	1
o-Terphenyl	103		70 - 130	12/06/21 14:44	12/07/21 18:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1400		24.8	4.25	mg/Kg	-		12/10/21 12:00	5

Client Sample ID: EX-3 W3

Lab Sample ID: 890-1666-92

Date Collected: 12/01/21 14:56

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg	-	12/03/21 09:22	12/06/21 16:16	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg	-	12/03/21 09:22	12/06/21 16:16	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg	-	12/03/21 09:22	12/06/21 16:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg	-	12/03/21 09:22	12/06/21 16:16	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg	-	12/03/21 09:22	12/06/21 16:16	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg	-	12/03/21 09:22	12/06/21 16:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	12/03/21 09:22	12/06/21 16:16	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3 W3

Lab Sample ID: 890-1666-92

Date Collected: 12/01/21 14:56

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	89		70 - 130	12/03/21 09:22	12/06/21 16:16	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.0	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:44	12/07/21 18:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:44	12/07/21 18:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:44	12/07/21 18:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				12/06/21 14:44	12/07/21 18:27	1
o-Terphenyl	84		70 - 130				12/06/21 14:44	12/07/21 18:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	309		4.99	0.857	mg/Kg			12/10/21 02:47	1

Client Sample ID: EX-3 W4

Lab Sample ID: 890-1666-93

Date Collected: 12/01/21 14:59

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		12/03/21 09:22	12/06/21 16:37	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		12/03/21 09:22	12/06/21 16:37	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		12/03/21 09:22	12/06/21 16:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		12/03/21 09:22	12/06/21 16:37	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		12/03/21 09:22	12/06/21 16:37	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		12/03/21 09:22	12/06/21 16:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130	12/03/21 09:22	12/06/21 16:37	1
1,4-Difluorobenzene (Surr)	58	S1-	70 - 130	12/03/21 09:22	12/06/21 16:37	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.0	mg/Kg			12/10/21 15:57	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3 W4

Lab Sample ID: 890-1666-93

Date Collected: 12/01/21 14:59

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		12/06/21 14:44	12/07/21 18:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 14:44	12/07/21 18:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 14:44	12/07/21 18:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				12/06/21 14:44	12/07/21 18:49	1
o-Terphenyl	89		70 - 130				12/06/21 14:44	12/07/21 18:49	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	370		5.00	0.858	mg/Kg			12/10/21 02:54	1

Client Sample ID: EX-3 W5

Lab Sample ID: 890-1666-94

Date Collected: 12/01/21 15:03

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000527	J	0.00198	0.000382	mg/Kg		12/03/21 09:22	12/06/21 16:57	1
Toluene	0.00100	J	0.00198	0.000452	mg/Kg		12/03/21 09:22	12/06/21 16:57	1
Ethylbenzene	0.000774	J	0.00198	0.000561	mg/Kg		12/03/21 09:22	12/06/21 16:57	1
m-Xylene & p-Xylene	0.00111	J	0.00397	0.00100	mg/Kg		12/03/21 09:22	12/06/21 16:57	1
o-Xylene	0.000640	J	0.00198	0.000341	mg/Kg		12/03/21 09:22	12/06/21 16:57	1
Xylenes, Total	0.00175	J	0.00397	0.00100	mg/Kg		12/03/21 09:22	12/06/21 16:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				12/03/21 09:22	12/06/21 16:57	1
1,4-Difluorobenzene (Surr)	90		70 - 130				12/03/21 09:22	12/06/21 16:57	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00405		0.00397	0.00100	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.0	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:44	12/07/21 19:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:44	12/07/21 19:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:44	12/07/21 19:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				12/06/21 14:44	12/07/21 19:10	1
o-Terphenyl	89		70 - 130				12/06/21 14:44	12/07/21 19:10	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3 W5

Date Collected: 12/01/21 15:03

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-94

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	112	F1	4.96	0.851	mg/Kg			12/10/21 03:00	1

Client Sample ID: EX-3 W6

Date Collected: 12/01/21 15:07

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-95

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00141	J	0.00198	0.000382	mg/Kg		12/03/21 09:22	12/06/21 17:18	1
Toluene	0.00176	J	0.00198	0.000452	mg/Kg		12/03/21 09:22	12/06/21 17:18	1
Ethylbenzene	<0.00198	U	0.00198	0.000561	mg/Kg		12/03/21 09:22	12/06/21 17:18	1
m-Xylene & p-Xylene	0.00117	J	0.00397	0.00100	mg/Kg		12/03/21 09:22	12/06/21 17:18	1
o-Xylene	0.000785	J	0.00198	0.000341	mg/Kg		12/03/21 09:22	12/06/21 17:18	1
Xylenes, Total	0.00196	J	0.00397	0.00100	mg/Kg		12/03/21 09:22	12/06/21 17:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				12/03/21 09:22	12/06/21 17:18	1
1,4-Difluorobenzene (Surr)	97		70 - 130				12/03/21 09:22	12/06/21 17:18	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00513		0.00397	0.00100	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	17.9	J	50.0	15.0	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	17.9	J	50.0	15.0	mg/Kg		12/06/21 14:44	12/07/21 19:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:44	12/07/21 19:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:44	12/07/21 19:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				12/06/21 14:44	12/07/21 19:32	1
o-Terphenyl	93		70 - 130				12/06/21 14:44	12/07/21 19:32	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	156		5.04	0.865	mg/Kg			12/10/21 03:20	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3 W7

Lab Sample ID: 890-1666-96

Date Collected: 12/01/21 15:10

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000679	J	0.00199	0.000383	mg/Kg	-	12/03/21 09:22	12/06/21 17:38	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg	-	12/03/21 09:22	12/06/21 17:38	1
Ethylbenzene	0.00171	J	0.00199	0.000563	mg/Kg	-	12/03/21 09:22	12/06/21 17:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg	-	12/03/21 09:22	12/06/21 17:38	1
o-Xylene	0.000684	J	0.00199	0.000343	mg/Kg	-	12/03/21 09:22	12/06/21 17:38	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg	-	12/03/21 09:22	12/06/21 17:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	12/03/21 09:22	12/06/21 17:38	1
1,4-Difluorobenzene (Surr)	90		70 - 130	12/03/21 09:22	12/06/21 17:38	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00307	J	0.00398	0.00101	mg/Kg	-		12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	20.5	J	49.9	15.0	mg/Kg	-		12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	20.5	J	49.9	15.0	mg/Kg	-	12/06/21 14:44	12/07/21 19:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg	-	12/06/21 14:44	12/07/21 19:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg	-	12/06/21 14:44	12/07/21 19:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	12/06/21 14:44	12/07/21 19:54	1
o-Terphenyl	86		70 - 130	12/06/21 14:44	12/07/21 19:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	156		4.98	0.855	mg/Kg	-		12/10/21 03:27	1

Client Sample ID: EX-3 AA

Lab Sample ID: 890-1666-97

Date Collected: 12/01/21 15:17

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00140	J	0.00202	0.000388	mg/Kg	-	12/03/21 09:22	12/06/21 17:58	1
Toluene	0.00196	J	0.00202	0.000460	mg/Kg	-	12/03/21 09:22	12/06/21 17:58	1
Ethylbenzene	<0.00202	U	0.00202	0.000570	mg/Kg	-	12/03/21 09:22	12/06/21 17:58	1
m-Xylene & p-Xylene	0.00165	J	0.00403	0.00102	mg/Kg	-	12/03/21 09:22	12/06/21 17:58	1
o-Xylene	0.00104	J	0.00202	0.000347	mg/Kg	-	12/03/21 09:22	12/06/21 17:58	1
Xylenes, Total	0.00269	J	0.00403	0.00102	mg/Kg	-	12/03/21 09:22	12/06/21 17:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	12/03/21 09:22	12/06/21 17:58	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3 AA

Lab Sample ID: 890-1666-97

Date Collected: 12/01/21 15:17

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	98		70 - 130	12/03/21 09:22	12/06/21 17:58	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00605		0.00403	0.00102	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	23.8	J	49.8	14.9	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	23.8	J	49.8	14.9	mg/Kg		12/06/21 14:44	12/07/21 20:15	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	14.9	mg/Kg		12/06/21 14:44	12/07/21 20:15	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		12/06/21 14:44	12/07/21 20:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				12/06/21 14:44	12/07/21 20:15	1
o-Terphenyl	96		70 - 130				12/06/21 14:44	12/07/21 20:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	142		4.95	0.850	mg/Kg			12/10/21 03:47	1

Client Sample ID: EX-3BB

Lab Sample ID: 890-1666-98

Date Collected: 12/01/21 15:20

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		12/03/21 09:22	12/06/21 18:19	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg		12/03/21 09:22	12/06/21 18:19	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		12/03/21 09:22	12/06/21 18:19	1
m-Xylene & p-Xylene	0.00116	J	0.00398	0.00100	mg/Kg		12/03/21 09:22	12/06/21 18:19	1
o-Xylene	0.000618	J	0.00199	0.000342	mg/Kg		12/03/21 09:22	12/06/21 18:19	1
Xylenes, Total	0.00178	J	0.00398	0.00100	mg/Kg		12/03/21 09:22	12/06/21 18:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	12/03/21 09:22	12/06/21 18:19	1
1,4-Difluorobenzene (Surr)	101		70 - 130	12/03/21 09:22	12/06/21 18:19	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00178	J	0.00398	0.00100	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	21.6	J	50.0	15.0	mg/Kg			12/10/21 15:57	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3BB

Lab Sample ID: 890-1666-98

Date Collected: 12/01/21 15:20

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	21.6	J	50.0	15.0	mg/Kg	-	12/06/21 14:44	12/07/21 20:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg	-	12/06/21 14:44	12/07/21 20:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg	-	12/06/21 14:44	12/07/21 20:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				12/06/21 14:44	12/07/21 20:37	1
o-Terphenyl	92		70 - 130				12/06/21 14:44	12/07/21 20:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	254		5.01	0.860	mg/Kg	-		12/10/21 03:53	1

Client Sample ID: EX-4A

Lab Sample ID: 890-1666-99

Date Collected: 12/01/21 15:44

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000386	mg/Kg	-	12/03/21 09:22	12/06/21 18:39	1
Toluene	0.00146	J	0.00200	0.000457	mg/Kg	-	12/03/21 09:22	12/06/21 18:39	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg	-	12/03/21 09:22	12/06/21 18:39	1
m-Xylene & p-Xylene	0.00127	J	0.00401	0.00101	mg/Kg	-	12/03/21 09:22	12/06/21 18:39	1
o-Xylene	0.000712	J	0.00200	0.000345	mg/Kg	-	12/03/21 09:22	12/06/21 18:39	1
Xylenes, Total	0.00198	J	0.00401	0.00101	mg/Kg	-	12/03/21 09:22	12/06/21 18:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				12/03/21 09:22	12/06/21 18:39	1
1,4-Difluorobenzene (Surr)	81		70 - 130				12/03/21 09:22	12/06/21 18:39	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00344	J	0.00401	0.00101	mg/Kg	-		12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	47.4	J	50.0	15.0	mg/Kg	-		12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	47.4	J	50.0	15.0	mg/Kg	-	12/06/21 14:44	12/07/21 20:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg	-	12/06/21 14:44	12/07/21 20:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg	-	12/06/21 14:44	12/07/21 20:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				12/06/21 14:44	12/07/21 20:58	1
o-Terphenyl	94		70 - 130				12/06/21 14:44	12/07/21 20:58	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-4A

Date Collected: 12/01/21 15:44

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-99

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	560		4.97	0.853	mg/Kg			12/10/21 04:00	1

Client Sample ID: EX-4B

Date Collected: 12/01/21 15:47

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-100

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		12/03/21 09:22	12/06/21 19:00	1
Toluene	<0.00201	U	0.00201	0.000459	mg/Kg		12/03/21 09:22	12/06/21 19:00	1
Ethylbenzene	<0.00201	U	0.00201	0.000568	mg/Kg		12/03/21 09:22	12/06/21 19:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00102	mg/Kg		12/03/21 09:22	12/06/21 19:00	1
o-Xylene	<0.00201	U	0.00201	0.000346	mg/Kg		12/03/21 09:22	12/06/21 19:00	1
Xylenes, Total	<0.00402	U	0.00402	0.00102	mg/Kg		12/03/21 09:22	12/06/21 19:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				12/03/21 09:22	12/06/21 19:00	1
1,4-Difluorobenzene (Surr)	97		70 - 130				12/03/21 09:22	12/06/21 19:00	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00102	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	41.5	J	49.9	15.0	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	41.5	J	49.9	15.0	mg/Kg		12/06/21 14:44	12/07/21 21:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 14:44	12/07/21 21:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 14:44	12/07/21 21:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				12/06/21 14:44	12/07/21 21:20	1
o-Terphenyl	80		70 - 130				12/06/21 14:44	12/07/21 21:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	446		5.00	0.858	mg/Kg			12/10/21 04:07	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-4C

Lab Sample ID: 890-1666-101

Date Collected: 12/01/21 15:50

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U F2	0.00202	0.000389	mg/Kg	-	12/03/21 09:40	12/06/21 22:37	1
Toluene	<0.00202	U F1 F2	0.00202	0.000461	mg/Kg	-	12/03/21 09:40	12/06/21 22:37	1
Ethylbenzene	<0.00202	U F1 F2	0.00202	0.000571	mg/Kg	-	12/03/21 09:40	12/06/21 22:37	1
m-Xylene & p-Xylene	<0.00404	U F1 F2	0.00404	0.00102	mg/Kg	-	12/03/21 09:40	12/06/21 22:37	1
o-Xylene	<0.00202	U F1 F2	0.00202	0.000347	mg/Kg	-	12/03/21 09:40	12/06/21 22:37	1
Xylenes, Total	<0.00404	U F1 F2	0.00404	0.00102	mg/Kg	-	12/03/21 09:40	12/06/21 22:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	158	S1+	70 - 130	12/03/21 09:40	12/06/21 22:37	1
1,4-Difluorobenzene (Surr)	117		70 - 130	12/03/21 09:40	12/06/21 22:37	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	0.00102	mg/Kg	-		12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	22.9	J	49.9	15.0	mg/Kg	-		12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	22.9	J	49.9	15.0	mg/Kg	-	12/06/21 14:49	12/07/21 13:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg	-	12/06/21 14:49	12/07/21 13:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg	-	12/06/21 14:49	12/07/21 13:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	12/06/21 14:49	12/07/21 13:19	1
o-Terphenyl	103		70 - 130	12/06/21 14:49	12/07/21 13:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	492		5.00	0.858	mg/Kg	-		12/10/21 04:13	1

Client Sample ID: EX-4D

Lab Sample ID: 890-1666-102

Date Collected: 12/01/21 15:52

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000550	J	0.00198	0.000382	mg/Kg	-	12/03/21 09:40	12/06/21 22:58	1
Toluene	<0.00198	U	0.00198	0.000452	mg/Kg	-	12/03/21 09:40	12/06/21 22:58	1
Ethylbenzene	<0.00198	U	0.00198	0.000561	mg/Kg	-	12/03/21 09:40	12/06/21 22:58	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	0.00100	mg/Kg	-	12/03/21 09:40	12/06/21 22:58	1
o-Xylene	<0.00198	U	0.00198	0.000341	mg/Kg	-	12/03/21 09:40	12/06/21 22:58	1
Xylenes, Total	<0.00397	U	0.00397	0.00100	mg/Kg	-	12/03/21 09:40	12/06/21 22:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	12/03/21 09:40	12/06/21 22:58	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-4D

Lab Sample ID: 890-1666-102

Date Collected: 12/01/21 15:52

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	96		70 - 130	12/03/21 09:40	12/06/21 22:58	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	0.00100	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	16.1	J	50.0	15.0	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	16.1	J	50.0	15.0	mg/Kg		12/06/21 14:49	12/07/21 14:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:49	12/07/21 14:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:49	12/07/21 14:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				12/06/21 14:49	12/07/21 14:25	1
o-Terphenyl	99		70 - 130				12/06/21 14:49	12/07/21 14:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	287		5.03	0.863	mg/Kg			12/10/21 04:20	1

Client Sample ID: EX-4E

Lab Sample ID: 890-1666-103

Date Collected: 12/01/21 15:55

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		12/03/21 09:40	12/06/21 23:18	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		12/03/21 09:40	12/06/21 23:18	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		12/03/21 09:40	12/06/21 23:18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 09:40	12/06/21 23:18	1
o-Xylene	0.00139	J	0.00200	0.000344	mg/Kg		12/03/21 09:40	12/06/21 23:18	1
Xylenes, Total	0.00139	J	0.00400	0.00101	mg/Kg		12/03/21 09:40	12/06/21 23:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	12/03/21 09:40	12/06/21 23:18	1
1,4-Difluorobenzene (Surr)	96		70 - 130	12/03/21 09:40	12/06/21 23:18	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00139	J	0.00400	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	16.4	J	49.9	15.0	mg/Kg			12/10/21 15:57	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-4E

Date Collected: 12/01/21 15:55

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-103

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	16.4	J	49.9	15.0	mg/Kg		12/06/21 14:49	12/07/21 14:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 14:49	12/07/21 14:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 14:49	12/07/21 14:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				12/06/21 14:49	12/07/21 14:47	1
o-Terphenyl	104		70 - 130				12/06/21 14:49	12/07/21 14:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	729		5.04	0.865	mg/Kg			12/10/21 04:27	1

Client Sample ID: EX-4F

Date Collected: 12/01/21 15:58

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-104

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		12/03/21 09:40	12/06/21 23:39	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		12/03/21 09:40	12/06/21 23:39	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		12/03/21 09:40	12/06/21 23:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		12/03/21 09:40	12/06/21 23:39	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		12/03/21 09:40	12/06/21 23:39	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		12/03/21 09:40	12/06/21 23:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				12/03/21 09:40	12/06/21 23:39	1
1,4-Difluorobenzene (Surr)	81		70 - 130				12/03/21 09:40	12/06/21 23:39	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	17.0	J	49.9	15.0	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	17.0	J	49.9	15.0	mg/Kg		12/06/21 14:49	12/07/21 15:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 14:49	12/07/21 15:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 14:49	12/07/21 15:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				12/06/21 14:49	12/07/21 15:09	1
o-Terphenyl	106		70 - 130				12/06/21 14:49	12/07/21 15:09	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-4F

Date Collected: 12/01/21 15:58

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-104

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		4.95	0.850	mg/Kg			12/10/21 10:53	1

Client Sample ID: EX-4G

Date Collected: 12/01/21 16:01

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-105

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000492	J	0.00199	0.000383	mg/Kg		12/03/21 09:40	12/06/21 23:59	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		12/03/21 09:40	12/06/21 23:59	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		12/03/21 09:40	12/06/21 23:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		12/03/21 09:40	12/06/21 23:59	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		12/03/21 09:40	12/06/21 23:59	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		12/03/21 09:40	12/06/21 23:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				12/03/21 09:40	12/06/21 23:59	1
1,4-Difluorobenzene (Surr)	86		70 - 130				12/03/21 09:40	12/06/21 23:59	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	15.8	J	49.8	14.9	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	15.8	J	49.8	14.9	mg/Kg		12/06/21 14:49	12/07/21 15:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	14.9	mg/Kg		12/06/21 14:49	12/07/21 15:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		12/06/21 14:49	12/07/21 15:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				12/06/21 14:49	12/07/21 15:31	1
o-Terphenyl	90		70 - 130				12/06/21 14:49	12/07/21 15:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	868		50.1	8.60	mg/Kg			12/10/21 07:46	10

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-4H

Lab Sample ID: 890-1666-106

Date Collected: 12/01/21 16:03

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000388	mg/Kg	-	12/03/21 09:40	12/07/21 00:19	1
Toluene	<0.00202	U	0.00202	0.000460	mg/Kg	-	12/03/21 09:40	12/07/21 00:19	1
Ethylbenzene	<0.00202	U	0.00202	0.000570	mg/Kg	-	12/03/21 09:40	12/07/21 00:19	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00102	mg/Kg	-	12/03/21 09:40	12/07/21 00:19	1
o-Xylene	0.000835	J	0.00202	0.000347	mg/Kg	-	12/03/21 09:40	12/07/21 00:19	1
Xylenes, Total	<0.00403	U	0.00403	0.00102	mg/Kg	-	12/03/21 09:40	12/07/21 00:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	12/03/21 09:40	12/07/21 00:19	1
1,4-Difluorobenzene (Surr)	99		70 - 130	12/03/21 09:40	12/07/21 00:19	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	0.00102	mg/Kg	-		12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.0	mg/Kg	-		12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg	-	12/06/21 14:49	12/07/21 15:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg	-	12/06/21 14:49	12/07/21 15:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg	-	12/06/21 14:49	12/07/21 15:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	12/06/21 14:49	12/07/21 15:53	1
o-Terphenyl	102		70 - 130	12/06/21 14:49	12/07/21 15:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2030		49.7	8.53	mg/Kg	-		12/10/21 07:53	10

Client Sample ID: EX-4I

Lab Sample ID: 890-1666-107

Date Collected: 12/01/21 16:06

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg	-	12/03/21 09:40	12/07/21 00:40	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg	-	12/03/21 09:40	12/07/21 00:40	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg	-	12/03/21 09:40	12/07/21 00:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg	-	12/03/21 09:40	12/07/21 00:40	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg	-	12/03/21 09:40	12/07/21 00:40	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg	-	12/03/21 09:40	12/07/21 00:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	12/03/21 09:40	12/07/21 00:40	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-4I

Lab Sample ID: 890-1666-107

Date Collected: 12/01/21 16:06

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	95		70 - 130	12/03/21 09:40	12/07/21 00:40	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	16.4	J	49.8	14.9	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	16.4	J	49.8	14.9	mg/Kg		12/06/21 14:49	12/07/21 16:15	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	14.9	mg/Kg		12/06/21 14:49	12/07/21 16:15	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		12/06/21 14:49	12/07/21 16:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				12/06/21 14:49	12/07/21 16:15	1
o-Terphenyl	113		70 - 130				12/06/21 14:49	12/07/21 16:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1350		50.0	8.58	mg/Kg			12/10/21 08:00	10

Client Sample ID: EX-4J

Lab Sample ID: 890-1666-108

Date Collected: 12/01/21 16:08

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.000387	mg/Kg		12/03/21 09:40	12/07/21 01:00	1
Toluene	0.00120	J	0.00201	0.000458	mg/Kg		12/03/21 09:40	12/07/21 01:00	1
Ethylbenzene	0.00101	J	0.00201	0.000567	mg/Kg		12/03/21 09:40	12/07/21 01:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00101	mg/Kg		12/03/21 09:40	12/07/21 01:00	1
o-Xylene	0.000888	J	0.00201	0.000345	mg/Kg		12/03/21 09:40	12/07/21 01:00	1
Xylenes, Total	<0.00402	U	0.00402	0.00101	mg/Kg		12/03/21 09:40	12/07/21 01:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	12/03/21 09:40	12/07/21 01:00	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/03/21 09:40	12/07/21 01:00	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00310	J	0.00402	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	183		50.0	15.0	mg/Kg			12/10/21 15:57	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-4J

Lab Sample ID: 890-1666-108

Date Collected: 12/01/21 16:08

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	21.1	J	50.0	15.0	mg/Kg		12/06/21 14:49	12/07/21 16:37	1
Diesel Range Organics (Over C10-C28)	162		50.0	15.0	mg/Kg		12/06/21 14:49	12/07/21 16:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:49	12/07/21 16:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				12/06/21 14:49	12/07/21 16:37	1
o-Terphenyl	121		70 - 130				12/06/21 14:49	12/07/21 16:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	660		50.0	8.58	mg/Kg			12/10/21 08:06	10

Client Sample ID: EX-4 W1

Lab Sample ID: 890-1666-109

Date Collected: 12/01/21 16:11

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000553	J	0.00201	0.000387	mg/Kg		12/03/21 09:40	12/07/21 01:21	1
Toluene	<0.00201	U	0.00201	0.000458	mg/Kg		12/03/21 09:40	12/07/21 01:21	1
Ethylbenzene	<0.00201	U	0.00201	0.000567	mg/Kg		12/03/21 09:40	12/07/21 01:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00101	mg/Kg		12/03/21 09:40	12/07/21 01:21	1
o-Xylene	<0.00201	U	0.00201	0.000345	mg/Kg		12/03/21 09:40	12/07/21 01:21	1
Xylenes, Total	<0.00402	U	0.00402	0.00101	mg/Kg		12/03/21 09:40	12/07/21 01:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				12/03/21 09:40	12/07/21 01:21	1
1,4-Difluorobenzene (Surr)	106		70 - 130				12/03/21 09:40	12/07/21 01:21	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	25.4	J	50.0	15.0	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	25.4	J	50.0	15.0	mg/Kg		12/06/21 14:49	12/07/21 16:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:49	12/07/21 16:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:49	12/07/21 16:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				12/06/21 14:49	12/07/21 16:58	1
o-Terphenyl	110		70 - 130				12/06/21 14:49	12/07/21 16:58	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-4 W1

Date Collected: 12/01/21 16:11

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-109

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1620		24.9	4.27	mg/Kg			12/11/21 19:38	5

Client Sample ID: EX-4 W2

Date Collected: 12/01/21 16:13

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-110

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00191	J	0.00200	0.000385	mg/Kg		12/03/21 09:40	12/07/21 01:41	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		12/03/21 09:40	12/07/21 01:41	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		12/03/21 09:40	12/07/21 01:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 09:40	12/07/21 01:41	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		12/03/21 09:40	12/07/21 01:41	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 09:40	12/07/21 01:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130				12/03/21 09:40	12/07/21 01:41	1
1,4-Difluorobenzene (Surr)	93		70 - 130				12/03/21 09:40	12/07/21 01:41	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00191	J	0.00400	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	21.3	J	49.9	15.0	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	21.3	J	49.9	15.0	mg/Kg		12/06/21 14:49	12/07/21 17:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 14:49	12/07/21 17:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 14:49	12/07/21 17:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				12/06/21 14:49	12/07/21 17:20	1
o-Terphenyl	114		70 - 130				12/06/21 14:49	12/07/21 17:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	822		4.95	0.850	mg/Kg			12/11/21 06:28	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-4 W3

Lab Sample ID: 890-1666-111

Date Collected: 12/01/21 16:17

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00142	J	0.00201	0.000387	mg/Kg	-	12/03/21 09:40	12/07/21 03:31	1
Toluene	<0.00201	U	0.00201	0.000459	mg/Kg	-	12/03/21 09:40	12/07/21 03:31	1
Ethylbenzene	<0.00201	U	0.00201	0.000568	mg/Kg	-	12/03/21 09:40	12/07/21 03:31	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00102	mg/Kg	-	12/03/21 09:40	12/07/21 03:31	1
o-Xylene	0.000357	J	0.00201	0.000346	mg/Kg	-	12/03/21 09:40	12/07/21 03:31	1
Xylenes, Total	<0.00402	U	0.00402	0.00102	mg/Kg	-	12/03/21 09:40	12/07/21 03:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	12/03/21 09:40	12/07/21 03:31	1
1,4-Difluorobenzene (Surr)	97		70 - 130	12/03/21 09:40	12/07/21 03:31	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00178	J	0.00402	0.00102	mg/Kg	-		12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	18.3	J	50.0	15.0	mg/Kg	-		12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	18.3	J	50.0	15.0	mg/Kg	-	12/06/21 14:49	12/07/21 18:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg	-	12/06/21 14:49	12/07/21 18:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg	-	12/06/21 14:49	12/07/21 18:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				12/06/21 14:49	12/07/21 18:05	1
o-Terphenyl	93		70 - 130				12/06/21 14:49	12/07/21 18:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2070		25.0	4.28	mg/Kg	-		12/11/21 19:45	5

Client Sample ID: EX-4 W4

Lab Sample ID: 890-1666-112

Date Collected: 12/01/21 16:20

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg	-	12/03/21 09:40	12/07/21 03:52	1
Toluene	<0.00199	U	0.00199	0.000453	mg/Kg	-	12/03/21 09:40	12/07/21 03:52	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg	-	12/03/21 09:40	12/07/21 03:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg	-	12/03/21 09:40	12/07/21 03:52	1
o-Xylene	0.000377	J	0.00199	0.000342	mg/Kg	-	12/03/21 09:40	12/07/21 03:52	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg	-	12/03/21 09:40	12/07/21 03:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	12/03/21 09:40	12/07/21 03:52	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-4 W4

Lab Sample ID: 890-1666-112

Date Collected: 12/01/21 16:20

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	100		70 - 130	12/03/21 09:40	12/07/21 03:52	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	110		50.0	15.0	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	41.0	J	50.0	15.0	mg/Kg		12/06/21 14:49	12/07/21 18:27	1
Diesel Range Organics (Over C10-C28)	69.2		50.0	15.0	mg/Kg		12/06/21 14:49	12/07/21 18:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:49	12/07/21 18:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				12/06/21 14:49	12/07/21 18:27	1
o-Terphenyl	85		70 - 130				12/06/21 14:49	12/07/21 18:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1800		25.0	4.29	mg/Kg			12/11/21 19:51	5

Client Sample ID: EX-5A

Lab Sample ID: 890-1666-113

Date Collected: 12/01/21 16:25

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		12/03/21 09:40	12/07/21 04:12	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		12/03/21 09:40	12/07/21 04:12	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		12/03/21 09:40	12/07/21 04:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 09:40	12/07/21 04:12	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		12/03/21 09:40	12/07/21 04:12	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 09:40	12/07/21 04:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130	12/03/21 09:40	12/07/21 04:12	1
1,4-Difluorobenzene (Surr)	81		70 - 130	12/03/21 09:40	12/07/21 04:12	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	40.5	J	49.9	15.0	mg/Kg			12/10/21 15:57	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-5A

Date Collected: 12/01/21 16:25

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-113

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	40.5	J	49.9	15.0	mg/Kg		12/06/21 14:49	12/07/21 18:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 14:49	12/07/21 18:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 14:49	12/07/21 18:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				12/06/21 14:49	12/07/21 18:49	1
o-Terphenyl	93		70 - 130				12/06/21 14:49	12/07/21 18:49	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	453		4.96	0.851	mg/Kg			12/11/21 06:48	1

Client Sample ID: EX-5B

Date Collected: 12/01/21 16:27

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-114

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000381	mg/Kg		12/03/21 09:40	12/07/21 04:32	1
Toluene	<0.00198	U	0.00198	0.000451	mg/Kg		12/03/21 09:40	12/07/21 04:32	1
Ethylbenzene	<0.00198	U	0.00198	0.000559	mg/Kg		12/03/21 09:40	12/07/21 04:32	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00100	mg/Kg		12/03/21 09:40	12/07/21 04:32	1
o-Xylene	<0.00198	U	0.00198	0.000341	mg/Kg		12/03/21 09:40	12/07/21 04:32	1
Xylenes, Total	<0.00396	U	0.00396	0.00100	mg/Kg		12/03/21 09:40	12/07/21 04:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				12/03/21 09:40	12/07/21 04:32	1
1,4-Difluorobenzene (Surr)	97		70 - 130				12/03/21 09:40	12/07/21 04:32	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	0.00100	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	17.9	J	50.0	15.0	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	17.9	J	50.0	15.0	mg/Kg		12/06/21 14:49	12/07/21 19:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:49	12/07/21 19:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:49	12/07/21 19:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				12/06/21 14:49	12/07/21 19:10	1
o-Terphenyl	101		70 - 130				12/06/21 14:49	12/07/21 19:10	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-5B

Date Collected: 12/01/21 16:27

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-114

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	200		5.04	0.865	mg/Kg			12/11/21 07:08	1

Client Sample ID: EX-5C

Date Collected: 12/01/21 16:30

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-115

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000388	mg/Kg		12/03/21 09:40	12/07/21 04:53	1
Toluene	0.00128	J	0.00202	0.000460	mg/Kg		12/03/21 09:40	12/07/21 04:53	1
Ethylbenzene	<0.00202	U	0.00202	0.000570	mg/Kg		12/03/21 09:40	12/07/21 04:53	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00102	mg/Kg		12/03/21 09:40	12/07/21 04:53	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		12/03/21 09:40	12/07/21 04:53	1
Xylenes, Total	<0.00403	U	0.00403	0.00102	mg/Kg		12/03/21 09:40	12/07/21 04:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				12/03/21 09:40	12/07/21 04:53	1
1,4-Difluorobenzene (Surr)	93		70 - 130				12/03/21 09:40	12/07/21 04:53	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00128	J	0.00403	0.00102	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	21.6	J	50.0	15.0	mg/Kg			12/10/21 15:57	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	21.6	J	50.0	15.0	mg/Kg		12/06/21 14:49	12/07/21 19:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:49	12/07/21 19:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:49	12/07/21 19:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				12/06/21 14:49	12/07/21 19:32	1
o-Terphenyl	100		70 - 130				12/06/21 14:49	12/07/21 19:32	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	309		4.98	0.855	mg/Kg			12/11/21 07:14	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-5D

Lab Sample ID: 890-1666-116

Date Collected: 12/01/21 16:33

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00136	J	0.00199	0.000383	mg/Kg	-	12/03/21 09:40	12/07/21 05:13	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg	-	12/03/21 09:40	12/07/21 05:13	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg	-	12/03/21 09:40	12/07/21 05:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg	-	12/03/21 09:40	12/07/21 05:13	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg	-	12/03/21 09:40	12/07/21 05:13	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg	-	12/03/21 09:40	12/07/21 05:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130	12/03/21 09:40	12/07/21 05:13	1
1,4-Difluorobenzene (Surr)	110		70 - 130	12/03/21 09:40	12/07/21 05:13	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00136	J	0.00398	0.00101	mg/Kg	-		12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	43.0	J	49.9	15.0	mg/Kg	-		12/10/21 16:18	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	43.0	J	49.9	15.0	mg/Kg	-	12/06/21 14:49	12/07/21 19:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg	-	12/06/21 14:49	12/07/21 19:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg	-	12/06/21 14:49	12/07/21 19:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	12/06/21 14:49	12/07/21 19:54	1
o-Terphenyl	105		70 - 130	12/06/21 14:49	12/07/21 19:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	471		4.95	0.850	mg/Kg	-		12/11/21 07:34	1

Client Sample ID: EX-5E

Lab Sample ID: 890-1666-117

Date Collected: 12/01/21 16:36

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000413	J	0.00200	0.000384	mg/Kg	-	12/03/21 09:40	12/07/21 05:34	1
Toluene	0.000890	J	0.00200	0.000455	mg/Kg	-	12/03/21 09:40	12/07/21 05:34	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg	-	12/03/21 09:40	12/07/21 05:34	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg	-	12/03/21 09:40	12/07/21 05:34	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg	-	12/03/21 09:40	12/07/21 05:34	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg	-	12/03/21 09:40	12/07/21 05:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	12/03/21 09:40	12/07/21 05:34	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-5E

Lab Sample ID: 890-1666-117

Date Collected: 12/01/21 16:36

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	104		70 - 130	12/03/21 09:40	12/07/21 05:34	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00130	J	0.00399	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	14.9	mg/Kg			12/10/21 16:18	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	14.9	mg/Kg	-	12/06/21 14:49	12/07/21 20:15	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	14.9	mg/Kg		12/06/21 14:49	12/07/21 20:15	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		12/06/21 14:49	12/07/21 20:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				12/06/21 14:49	12/07/21 20:15	1
o-Terphenyl	115		70 - 130				12/06/21 14:49	12/07/21 20:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	482		5.01	0.860	mg/Kg			12/11/21 07:41	1

Client Sample ID: EX-5F

Lab Sample ID: 890-1666-118

Date Collected: 12/01/21 16:38

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		12/03/21 09:40	12/07/21 05:54	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		12/03/21 09:40	12/07/21 05:54	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		12/03/21 09:40	12/07/21 05:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		12/03/21 09:40	12/07/21 05:54	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		12/03/21 09:40	12/07/21 05:54	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		12/03/21 09:40	12/07/21 05:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	12/03/21 09:40	12/07/21 05:54	1
1,4-Difluorobenzene (Surr)	98		70 - 130	12/03/21 09:40	12/07/21 05:54	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	38.3	J	50.0	15.0	mg/Kg			12/10/21 16:18	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-5F

Date Collected: 12/01/21 16:38

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-118

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	38.3	J	50.0	15.0	mg/Kg		12/06/21 14:49	12/07/21 20:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:49	12/07/21 20:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:49	12/07/21 20:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				12/06/21 14:49	12/07/21 20:37	1
o-Terphenyl	96		70 - 130				12/06/21 14:49	12/07/21 20:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	707		4.97	0.853	mg/Kg			12/11/21 07:48	1

Client Sample ID: EX-5G

Date Collected: 12/01/21 16:41

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-119

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000519	J	0.00202	0.000388	mg/Kg		12/03/21 09:40	12/07/21 06:14	1
Toluene	0.00128	J	0.00202	0.000460	mg/Kg		12/03/21 09:40	12/07/21 06:14	1
Ethylbenzene	<0.00202	U	0.00202	0.000570	mg/Kg		12/03/21 09:40	12/07/21 06:14	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00102	mg/Kg		12/03/21 09:40	12/07/21 06:14	1
o-Xylene	0.00109	J	0.00202	0.000347	mg/Kg		12/03/21 09:40	12/07/21 06:14	1
Xylenes, Total	0.00109	J	0.00403	0.00102	mg/Kg		12/03/21 09:40	12/07/21 06:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				12/03/21 09:40	12/07/21 06:14	1
1,4-Difluorobenzene (Surr)	77		70 - 130				12/03/21 09:40	12/07/21 06:14	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00289	J	0.00403	0.00102	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	34.7	J	50.0	15.0	mg/Kg			12/10/21 16:18	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	34.7	J	50.0	15.0	mg/Kg		12/06/21 14:49	12/07/21 20:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:49	12/07/21 20:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:49	12/07/21 20:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				12/06/21 14:49	12/07/21 20:58	1
o-Terphenyl	94		70 - 130				12/06/21 14:49	12/07/21 20:58	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-5G

Date Collected: 12/01/21 16:41

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-119

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1210		5.00	0.858	mg/Kg			12/11/21 07:54	1

Client Sample ID: EX-5H

Date Collected: 12/01/21 16:44

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-120

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		12/03/21 09:40	12/07/21 06:35	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		12/03/21 09:40	12/07/21 06:35	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		12/03/21 09:40	12/07/21 06:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 09:40	12/07/21 06:35	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		12/03/21 09:40	12/07/21 06:35	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 09:40	12/07/21 06:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				12/03/21 09:40	12/07/21 06:35	1
1,4-Difluorobenzene (Surr)	84		70 - 130				12/03/21 09:40	12/07/21 06:35	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	41.3	J	49.9	15.0	mg/Kg			12/10/21 16:18	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	41.3	J	49.9	15.0	mg/Kg		12/06/21 14:49	12/07/21 21:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 14:49	12/07/21 21:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 14:49	12/07/21 21:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				12/06/21 14:49	12/07/21 21:20	1
o-Terphenyl	101		70 - 130				12/06/21 14:49	12/07/21 21:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	481		5.00	0.858	mg/Kg			12/11/21 08:01	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-5I

Lab Sample ID: 890-1666-121

Date Collected: 12/01/21 16:46

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1 F2	0.00200	0.000384	mg/Kg	-	12/03/21 09:47	12/05/21 05:17	1
Toluene	<0.00200	U F1 F2	0.00200	0.000455	mg/Kg	-	12/03/21 09:47	12/05/21 05:17	1
Ethylbenzene	<0.00200	U F1 F2	0.00200	0.000564	mg/Kg	-	12/03/21 09:47	12/05/21 05:17	1
m-Xylene & p-Xylene	<0.00399	U F1 F2	0.00399	0.00101	mg/Kg	-	12/03/21 09:47	12/05/21 05:17	1
o-Xylene	<0.00200	U F1 F2	0.00200	0.000343	mg/Kg	-	12/03/21 09:47	12/05/21 05:17	1
Xylenes, Total	<0.00399	U F1 F2	0.00399	0.00101	mg/Kg	-	12/03/21 09:47	12/05/21 05:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	12/03/21 09:47	12/05/21 05:17	1
1,4-Difluorobenzene (Surr)	90		70 - 130	12/03/21 09:47	12/05/21 05:17	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg	-		12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	23.7	J	49.9	15.0	mg/Kg	-		12/10/21 16:18	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	23.7	J B	49.9	15.0	mg/Kg	-	12/07/21 13:23	12/07/21 23:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		12/07/21 13:23	12/07/21 23:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		12/07/21 13:23	12/07/21 23:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				12/07/21 13:23	12/07/21 23:12	1
o-Terphenyl	102		70 - 130				12/07/21 13:23	12/07/21 23:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1120		5.03	0.863	mg/Kg	-		12/11/21 08:08	1

Client Sample ID: EX-5J

Lab Sample ID: 890-1666-122

Date Collected: 12/01/21 16:48

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg	-	12/03/21 09:47	12/05/21 05:43	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg	-	12/03/21 09:47	12/05/21 05:43	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg	-	12/03/21 09:47	12/05/21 05:43	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg	-	12/03/21 09:47	12/05/21 05:43	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg	-	12/03/21 09:47	12/05/21 05:43	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg	-	12/03/21 09:47	12/05/21 05:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	12/03/21 09:47	12/05/21 05:43	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-5J

Lab Sample ID: 890-1666-122

Date Collected: 12/01/21 16:48

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	105		70 - 130	12/03/21 09:47	12/05/21 05:43	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	18.3	J	50.0	15.0	mg/Kg			12/10/21 16:18	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	18.3	J B	50.0	15.0	mg/Kg		12/07/21 13:23	12/08/21 00:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		12/07/21 13:23	12/08/21 00:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/07/21 13:23	12/08/21 00:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				12/07/21 13:23	12/08/21 00:20	1
o-Terphenyl	111		70 - 130				12/07/21 13:23	12/08/21 00:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1440		25.2	4.33	mg/Kg			12/11/21 19:58	5

Client Sample ID: EX-5K

Lab Sample ID: 890-1666-123

Date Collected: 12/01/21 16:50

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.000381	mg/Kg		12/03/21 09:47	12/05/21 06:09	1
Toluene	<0.00198	U	0.00198	0.000451	mg/Kg		12/03/21 09:47	12/05/21 06:09	1
Ethylbenzene	<0.00198	U	0.00198	0.000559	mg/Kg		12/03/21 09:47	12/05/21 06:09	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00100	mg/Kg		12/03/21 09:47	12/05/21 06:09	1
o-Xylene	<0.00198	U	0.00198	0.000341	mg/Kg		12/03/21 09:47	12/05/21 06:09	1
Xylenes, Total	<0.00396	U	0.00396	0.00100	mg/Kg		12/03/21 09:47	12/05/21 06:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	12/03/21 09:47	12/05/21 06:09	1
1,4-Difluorobenzene (Surr)	102		70 - 130	12/03/21 09:47	12/05/21 06:09	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	0.00100	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	19.3	J	49.9	15.0	mg/Kg			12/10/21 16:18	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-5K

Date Collected: 12/01/21 16:50

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-123

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	19.3	J B	49.9	15.0	mg/Kg		12/07/21 13:23	12/08/21 00:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		12/07/21 13:23	12/08/21 00:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		12/07/21 13:23	12/08/21 00:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				12/07/21 13:23	12/08/21 00:43	1
o-Terphenyl	126		70 - 130				12/07/21 13:23	12/08/21 00:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	332		5.04	0.865	mg/Kg			12/11/21 09:27	1

Client Sample ID: EX-5L

Date Collected: 12/01/21 16:52

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-124

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		12/03/21 09:47	12/05/21 06:35	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		12/03/21 09:47	12/05/21 06:35	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		12/03/21 09:47	12/05/21 06:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 09:47	12/05/21 06:35	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		12/03/21 09:47	12/05/21 06:35	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 09:47	12/05/21 06:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				12/03/21 09:47	12/05/21 06:35	1
1,4-Difluorobenzene (Surr)	103		70 - 130				12/03/21 09:47	12/05/21 06:35	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	21.2	J	49.9	15.0	mg/Kg			12/10/21 16:18	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	21.2	J B	49.9	15.0	mg/Kg		12/07/21 13:23	12/08/21 01:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		12/07/21 13:23	12/08/21 01:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		12/07/21 13:23	12/08/21 01:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				12/07/21 13:23	12/08/21 01:06	1
o-Terphenyl	100		70 - 130				12/07/21 13:23	12/08/21 01:06	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-5L

Date Collected: 12/01/21 16:52

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-124

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	260		4.99	0.857	mg/Kg			12/11/21 09:34	1

Client Sample ID: EX-5 W1

Date Collected: 12/01/21 16:55

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-125

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000388	mg/Kg		12/03/21 09:47	12/05/21 07:01	1
Toluene	<0.00202	U	0.00202	0.000460	mg/Kg		12/03/21 09:47	12/05/21 07:01	1
Ethylbenzene	<0.00202	U	0.00202	0.000570	mg/Kg		12/03/21 09:47	12/05/21 07:01	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00102	mg/Kg		12/03/21 09:47	12/05/21 07:01	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		12/03/21 09:47	12/05/21 07:01	1
Xylenes, Total	<0.00403	U	0.00403	0.00102	mg/Kg		12/03/21 09:47	12/05/21 07:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				12/03/21 09:47	12/05/21 07:01	1
1,4-Difluorobenzene (Surr)	108		70 - 130				12/03/21 09:47	12/05/21 07:01	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	0.00102	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	19.7	J	49.8	14.9	mg/Kg			12/10/21 16:18	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	19.7	J B	49.8	14.9	mg/Kg		12/07/21 13:23	12/08/21 01:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	14.9	mg/Kg		12/07/21 13:23	12/08/21 01:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		12/07/21 13:23	12/08/21 01:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				12/07/21 13:23	12/08/21 01:29	1
o-Terphenyl	132	S1+	70 - 130				12/07/21 13:23	12/08/21 01:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3080		25.0	4.29	mg/Kg			12/11/21 20:18	5

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-5 W2

Lab Sample ID: 890-1666-126

Date Collected: 12/01/21 16:57

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		12/03/21 09:47	12/05/21 07:28	1
Toluene	0.000653	J	0.00199	0.000453	mg/Kg		12/03/21 09:47	12/05/21 07:28	1
Ethylbenzene	<0.00199	U	0.00199	0.000562	mg/Kg		12/03/21 09:47	12/05/21 07:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00100	mg/Kg		12/03/21 09:47	12/05/21 07:28	1
o-Xylene	<0.00199	U	0.00199	0.000342	mg/Kg		12/03/21 09:47	12/05/21 07:28	1
Xylenes, Total	<0.00398	U	0.00398	0.00100	mg/Kg		12/03/21 09:47	12/05/21 07:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				12/03/21 09:47	12/05/21 07:28	1
1,4-Difluorobenzene (Surr)	104		70 - 130				12/03/21 09:47	12/05/21 07:28	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00100	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	134		49.9	15.0	mg/Kg			12/10/21 16:18	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		12/07/21 13:23	12/08/21 01:53	1
Diesel Range Organics (Over C10-C28)	134		49.9	15.0	mg/Kg		12/07/21 13:23	12/08/21 01:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		12/07/21 13:23	12/08/21 01:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				12/07/21 13:23	12/08/21 01:53	1
o-Terphenyl	115		70 - 130				12/07/21 13:23	12/08/21 01:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1280		4.95	0.850	mg/Kg			12/11/21 09:47	1

Client Sample ID: EX-5 W3

Lab Sample ID: 890-1666-127

Date Collected: 12/01/21 16:59

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000386	mg/Kg		12/03/21 09:47	12/05/21 07:55	1
Toluene	0.000976	J	0.00200	0.000457	mg/Kg		12/03/21 09:47	12/05/21 07:55	1
Ethylbenzene	<0.00200	U	0.00200	0.000566	mg/Kg		12/03/21 09:47	12/05/21 07:55	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00101	mg/Kg		12/03/21 09:47	12/05/21 07:55	1
o-Xylene	<0.00200	U	0.00200	0.000345	mg/Kg		12/03/21 09:47	12/05/21 07:55	1
Xylenes, Total	<0.00401	U	0.00401	0.00101	mg/Kg		12/03/21 09:47	12/05/21 07:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				12/03/21 09:47	12/05/21 07:55	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-5 W3

Lab Sample ID: 890-1666-127

Date Collected: 12/01/21 16:59

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	108		70 - 130	12/03/21 09:47	12/05/21 07:55	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	20.6	J	49.8	14.9	mg/Kg			12/10/21 16:18	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	20.6	J B	49.8	14.9	mg/Kg		12/07/21 13:23	12/08/21 02:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	14.9	mg/Kg		12/07/21 13:23	12/08/21 02:16	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		12/07/21 13:23	12/08/21 02:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				12/07/21 13:23	12/08/21 02:16	1
o-Terphenyl	104		70 - 130				12/07/21 13:23	12/08/21 02:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1380		5.02	0.862	mg/Kg			12/11/21 10:07	1

Client Sample ID: EX-5 W4

Lab Sample ID: 890-1666-128

Date Collected: 12/01/21 17:02

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		12/03/21 09:47	12/05/21 08:22	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		12/03/21 09:47	12/05/21 08:22	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		12/03/21 09:47	12/05/21 08:22	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		12/03/21 09:47	12/05/21 08:22	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		12/03/21 09:47	12/05/21 08:22	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		12/03/21 09:47	12/05/21 08:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	12/03/21 09:47	12/05/21 08:22	1
1,4-Difluorobenzene (Surr)	101		70 - 130	12/03/21 09:47	12/05/21 08:22	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	18.9	J	50.0	15.0	mg/Kg			12/10/21 16:18	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-5 W4

Lab Sample ID: 890-1666-128

Date Collected: 12/01/21 17:02

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	18.9	J B	50.0	15.0	mg/Kg	-	12/07/21 13:23	12/08/21 02:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg	-	12/07/21 13:23	12/08/21 02:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg	-	12/07/21 13:23	12/08/21 02:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				12/07/21 13:23	12/08/21 02:39	1
o-Terphenyl	104		70 - 130				12/07/21 13:23	12/08/21 02:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2210		24.9	4.27	mg/Kg	-		12/11/21 20:25	5

Client Sample ID: EX-5 W5

Lab Sample ID: 890-1666-129

Date Collected: 12/01/21 17:05

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg	-	12/03/21 09:47	12/05/21 08:49	1
Toluene	0.00310		0.00199	0.000454	mg/Kg	-	12/03/21 09:47	12/05/21 08:49	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg	-	12/03/21 09:47	12/05/21 08:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg	-	12/03/21 09:47	12/05/21 08:49	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg	-	12/03/21 09:47	12/05/21 08:49	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg	-	12/03/21 09:47	12/05/21 08:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130				12/03/21 09:47	12/05/21 08:49	1
1,4-Difluorobenzene (Surr)	80		70 - 130				12/03/21 09:47	12/05/21 08:49	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00310	J	0.00398	0.00101	mg/Kg	-		12/09/21 09:09	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	18.2	J	50.0	15.0	mg/Kg	-		12/10/21 16:18	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	18.2	J B	50.0	15.0	mg/Kg	-	12/07/21 13:23	12/08/21 03:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg	-	12/07/21 13:23	12/08/21 03:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg	-	12/07/21 13:23	12/08/21 03:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				12/07/21 13:23	12/08/21 03:03	1
o-Terphenyl	105		70 - 130				12/07/21 13:23	12/08/21 03:03	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-5 W5

Date Collected: 12/01/21 17:05

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-129

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1040		4.95	0.850	mg/Kg			12/11/21 10:21	1

Client Sample ID: SS-1

Date Collected: 12/01/21 17:10

Date Received: 12/02/21 09:38

Sample Depth: 4

Lab Sample ID: 890-1666-130

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.000383	mg/Kg		12/03/21 09:47	12/05/21 09:16	1
Toluene	<0.00199	U	0.00199	0.000454	mg/Kg		12/03/21 09:47	12/05/21 09:16	1
Ethylbenzene	<0.00199	U	0.00199	0.000563	mg/Kg		12/03/21 09:47	12/05/21 09:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00101	mg/Kg		12/03/21 09:47	12/05/21 09:16	1
o-Xylene	<0.00199	U	0.00199	0.000343	mg/Kg		12/03/21 09:47	12/05/21 09:16	1
Xylenes, Total	<0.00398	U	0.00398	0.00101	mg/Kg		12/03/21 09:47	12/05/21 09:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				12/03/21 09:47	12/05/21 09:16	1
1,4-Difluorobenzene (Surr)	105		70 - 130				12/03/21 09:47	12/05/21 09:16	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00101	mg/Kg			12/09/21 09:17	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.0	mg/Kg			12/10/21 16:18	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		12/06/21 09:30	12/06/21 18:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 09:30	12/06/21 18:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		12/06/21 09:30	12/06/21 18:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				12/06/21 09:30	12/06/21 18:08	1
o-Terphenyl	95		70 - 130				12/06/21 09:30	12/06/21 18:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	868		4.99	0.857	mg/Kg			12/11/21 10:27	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: SS-2

Lab Sample ID: 890-1666-131

Date Collected: 12/01/21 17:12

Matrix: Solid

Date Received: 12/02/21 09:38

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000388	mg/Kg		12/03/21 07:56	12/03/21 15:36	1
Toluene	0.000529	J	0.00202	0.000460	mg/Kg		12/03/21 07:56	12/03/21 15:36	1
Ethylbenzene	<0.00202	U	0.00202	0.000570	mg/Kg		12/03/21 07:56	12/03/21 15:36	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00102	mg/Kg		12/03/21 07:56	12/03/21 15:36	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg		12/03/21 07:56	12/03/21 15:36	1
Xylenes, Total	<0.00403	U	0.00403	0.00102	mg/Kg		12/03/21 07:56	12/03/21 15:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	12/03/21 07:56	12/03/21 15:36	1
1,4-Difluorobenzene (Surr)	110		70 - 130	12/03/21 07:56	12/03/21 15:36	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	0.00102	mg/Kg			12/09/21 09:17	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	14.9	mg/Kg			12/10/21 16:18	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	14.9	mg/Kg		12/06/21 09:30	12/06/21 18:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	14.9	mg/Kg		12/06/21 09:30	12/06/21 18:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		12/06/21 09:30	12/06/21 18:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	12/06/21 09:30	12/06/21 18:29	1
o-Terphenyl	107		70 - 130	12/06/21 09:30	12/06/21 18:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8140		50.0	8.58	mg/Kg			12/11/21 20:31	10

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Surrogate Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
890-1666-1	EX-1A	132 S1+	104
890-1666-1 MS	EX-1A	116	93
890-1666-1 MSD	EX-1A	121	92
890-1666-2	EX-1B	137 S1+	98
890-1666-3	EX-1C	117	107
890-1666-4	EX-1D	117	77
890-1666-5	EX-1E	122	85
890-1666-6	EX-1F	129	103
890-1666-7	EX-1G	123	88
890-1666-8	EX-1H	109	89
890-1666-9	EX-1I	111	100
890-1666-10	EX-1J	136 S1+	104
890-1666-11	EX-1K	129	108
890-1666-12	EX-1L	119	89
890-1666-13	EX-1M	122	81
890-1666-14	EX-1N	129	97
890-1666-15	EX-1O	114	108
890-1666-16	EX-1P	133 S1+	107
890-1666-17	EX-1Q	134 S1+	100
890-1666-18	EX-1R	125	67 S1-
890-1666-19	EX-1S	123	92
890-1666-20	EX-1T	146 S1+	112
890-1666-21	EX-1U	96	82
890-1666-21 MS	EX-1U	101	103
890-1666-21 MSD	EX-1U	105	102
890-1666-22	EX-1V	117	109
890-1666-23	EX-1W	122	81
890-1666-24	EX-1X	130	112
890-1666-25	EX-1Y	131 S1+	118
890-1666-26	EX-1Z	122	75
890-1666-27	EX-1AA	163 S1+	122
890-1666-28	EX-1BB	107	85
890-1666-29	EX-1CC	111	102
890-1666-30	EX-1DD	122	73
890-1666-31	EX-1 W1	131 S1+	113
890-1666-32	EX-1 W2	116	68 S1-
890-1666-33	EX-1 W3	114	108
890-1666-34	EX-1 W4	123	76
890-1666-35	EX-1 W5	131 S1+	107
890-1666-36	EX-1 W6	111	102
890-1666-37	EX-1 W7	126	110
890-1666-38	EX-2A	112	109
890-1666-39	EX-2B	115	94
890-1666-40	EX-2C	118	113
890-1666-41	EX-2D	109	109
890-1666-41 MS	EX-2D	111	100
890-1666-41 MSD	EX-2D	111	93
890-1666-42	EX-2E	106	95
890-1666-43	EX-2F	101	105

Eurofins Xenco, Carlsbad

Surrogate Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Ross Draw 8

Job ID: 890-1666-1
 SDG: 5198

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-1666-44	EX-2G	112	79
890-1666-45	EX-2H	108	86
890-1666-46	EX-2I	114	107
890-1666-47	EX-2J	109	106
890-1666-48	EX-2K	119	106
890-1666-49	EX-2L	128	98
890-1666-50	EX-2M	130	104
890-1666-51	EX-2N	119	109
890-1666-52	EX-2O	157 S1+	105
890-1666-53	EX-2P	136 S1+	110
890-1666-54	EX-2Q	124	102
890-1666-55	EX-2R	114	106
890-1666-56	EX-2S	116	102
890-1666-57	EX-2T	124	94
890-1666-58	EX-2U	126	102
890-1666-59	EX-2 W1	110	78
890-1666-60	EX-2 W2	108	88
890-1666-61	EX-2 W3	107	98
890-1666-61 MS	EX-2 W3	122	99
890-1666-61 MSD	EX-2 W3	122	66 S1-
890-1666-62	EX-2 W4	108	108
890-1666-63	EX-2 W5	99	99
890-1666-64	EX-3A	108	95
890-1666-65	EX-3B	115	110
890-1666-66	EX-3C	180 S1+	107
890-1666-67	EX-3D	117	102
890-1666-68	EX-3E	115	104
890-1666-69	EX-3F	126	107
890-1666-70	EX-3G	114	103
890-1666-71	EX-3H	123	103
890-1666-72	EX-3I	116	101
890-1666-73	EX-3J	102	105
890-1666-74	EX-3K	130	107
890-1666-75	EX-3L	110	98
890-1666-76	EX-3M	125	76
890-1666-77	EX-3N	119	77
890-1666-78	EX-3O	120	102
890-1666-79	EX-3P	116	87
890-1666-80	EX-3Q	109	99
890-1666-81	EX-3R	128	102
890-1666-81 MS	EX-3R	116	95
890-1666-81 MSD	EX-3R	114	101
890-1666-82	EX-3S	118	95
890-1666-83	EX-3T	123	89
890-1666-84	EX-3U	116	101
890-1666-85	EX-3V	106	94
890-1666-86	EX-3W	119	101
890-1666-87	EX-3X	106	80
890-1666-88	EX-3Y	123	94
890-1666-89	EX-3Z	118	97

Eurofins Xenco, Carlsbad

Surrogate Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Ross Draw 8

Job ID: 890-1666-1
 SDG: 5198

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-1666-90	EX-3 W1	125	88
890-1666-91	EX-3 W2	117	102
890-1666-92	EX-3 W3	117	89
890-1666-93	EX-3 W4	73	58 S1-
890-1666-94	EX-3 W5	107	90
890-1666-95	EX-3 W6	108	97
890-1666-96	EX-3 W7	106	90
890-1666-97	EX-3 AA	114	98
890-1666-98	EX-3BB	113	101
890-1666-99	EX-4A	104	81
890-1666-100	EX-4B	123	97
890-1666-101	EX-4C	158 S1+	117
890-1666-101 MS	EX-4C	105	98
890-1666-101 MSD	EX-4C	1722 S1+	456 S1+
890-1666-102	EX-4D	119	96
890-1666-103	EX-4E	121	96
890-1666-104	EX-4F	100	81
890-1666-105	EX-4G	115	86
890-1666-106	EX-4H	119	99
890-1666-107	EX-4I	124	95
890-1666-108	EX-4J	124	98
890-1666-109	EX-4 W1	119	106
890-1666-110	EX-4 W2	136 S1+	93
890-1666-111	EX-4 W3	121	97
890-1666-112	EX-4 W4	127	100
890-1666-113	EX-5A	133 S1+	81
890-1666-114	EX-5B	121	97
890-1666-115	EX-5C	119	93
890-1666-116	EX-5D	137 S1+	110
890-1666-117	EX-5E	117	104
890-1666-118	EX-5F	114	98
890-1666-119	EX-5G	110	77
890-1666-120	EX-5H	116	84
890-1666-121	EX-5I	103	90
890-1666-121 MS	EX-5I	81	95
890-1666-121 MSD	EX-5I	86	97
890-1666-122	EX-5J	107	105
890-1666-123	EX-5K	104	102
890-1666-124	EX-5L	111	103
890-1666-125	EX-5 W1	118	108
890-1666-126	EX-5 W2	112	104
890-1666-127	EX-5 W3	119	108
890-1666-128	EX-5 W4	114	101
890-1666-129	EX-5 W5	82	80
890-1666-130	SS-1	94	105
890-1666-131	SS-2	122	110
LCS 880-13829/1-A	Lab Control Sample	104	99
LCS 880-13837/1-A	Lab Control Sample	103	97
LCS 880-13838/1-A	Lab Control Sample	104	103
LCS 880-13839/1-A	Lab Control Sample	108	98

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Surrogate Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
LCS 880-13840/1-A	Lab Control Sample	106	104
LCS 880-13841/1-A	Lab Control Sample	110	101
LCS 880-13846/1-A	Lab Control Sample	108	102
LCS 880-13847/1-A	Lab Control Sample	106	103
LCSD 880-13829/2-A	Lab Control Sample Dup	98	98
LCSD 880-13837/2-A	Lab Control Sample Dup	107	102
LCSD 880-13838/2-A	Lab Control Sample Dup	108	104
LCSD 880-13839/2-A	Lab Control Sample Dup	108	99
LCSD 880-13840/2-A	Lab Control Sample Dup	107	102
LCSD 880-13841/2-A	Lab Control Sample Dup	115	98
LCSD 880-13846/2-A	Lab Control Sample Dup	104	97
LCSD 880-13847/2-A	Lab Control Sample Dup	96	97
MB 880-13829/5-A	Method Blank	124	101
MB 880-13837/5-A	Method Blank	110	110
MB 880-13838/5-A	Method Blank	109	107
MB 880-13839/5-A	Method Blank	99	103
MB 880-13840/5-A	Method Blank	100	96
MB 880-13841/5-A	Method Blank	124	104
MB 880-13846/5-A	Method Blank	125	100
MB 880-13847/5-A	Method Blank	57 S1-	95
MB 880-13920/8	Method Blank	55 S1-	91

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-8922-A-12-C MS	Matrix Spike	89	85
880-8922-A-12-D MSD	Matrix Spike Duplicate	89	85
890-1666-1	EX-1A	76	86
890-1666-1 MS	EX-1A	75	74
890-1666-1 MSD	EX-1A	74	72
890-1666-2	EX-1B	73	78
890-1666-3	EX-1C	73	79
890-1666-4	EX-1D	79	84
890-1666-5	EX-1E	78	81
890-1666-6	EX-1F	82	93
890-1666-7	EX-1G	81	87
890-1666-8	EX-1H	77	84
890-1666-9	EX-1I	78	84
890-1666-10	EX-1J	79	86
890-1666-11	EX-1K	73	78
890-1666-12	EX-1L	75	81
890-1666-13	EX-1M	76	84
890-1666-14	EX-1N	74	81
890-1666-15	EX-1O	73	80

Eurofins Xenco, Carlsbad

Surrogate Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
890-1666-16	EX-1P	76	80
890-1666-17	EX-1Q	76	84
890-1666-18	EX-1R	77	82
890-1666-19	EX-1S	72	74
890-1666-20	EX-1T	77	86
890-1666-21	EX-1U	77	90
890-1666-21 MS	EX-1U	89	88
890-1666-21 MSD	EX-1U	81	86
890-1666-22	EX-1V	74	86
890-1666-23	EX-1W	82	96
890-1666-24	EX-1X	76	87
890-1666-25	EX-1Y	76	90
890-1666-26	EX-1Z	84	97
890-1666-27	EX-1AA	74	83
890-1666-28	EX-1BB	69 S1-	79
890-1666-29	EX-1CC	72	80
890-1666-30	EX-1DD	67 S1-	74
890-1666-31	EX-1 W1	85	94
890-1666-32	EX-1 W2	63 S1-	68 S1-
890-1666-33	EX-1 W3	69 S1-	79
890-1666-34	EX-1 W4	70	78
890-1666-35	EX-1 W5	66 S1-	69 S1-
890-1666-36	EX-1 W6	71	78
890-1666-37	EX-1 W7	69 S1-	75
890-1666-38	EX-2A	72	79
890-1666-39	EX-2B	67 S1-	76
890-1666-40	EX-2C	62 S1-	68 S1-
890-1666-41	EX-2D	88	103
890-1666-41 MS	EX-2D	87	90
890-1666-41 MSD	EX-2D	86	87
890-1666-42	EX-2E	83	99
890-1666-43	EX-2F	81	95
890-1666-44	EX-2G	87	104
890-1666-45	EX-2H	87	105
890-1666-46	EX-2I	84	99
890-1666-47	EX-2J	83	97
890-1666-48	EX-2K	83	95
890-1666-49	EX-2L	83	93
890-1666-50	EX-2M	85	99
890-1666-51	EX-2N	84	96
890-1666-52	EX-2O	85	103
890-1666-53	EX-2P	91	111
890-1666-54	EX-2Q	86	101
890-1666-55	EX-2R	89	104
890-1666-56	EX-2S	83	98
890-1666-57	EX-2T	86	101
890-1666-58	EX-2U	90	109
890-1666-59	EX-2 W1	90	110
890-1666-60	EX-2 W2	88	106
890-1666-61	EX-2 W3	72	79

Eurofins Xenco, Carlsbad

Surrogate Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-1666-61 MS	EX-2 W3	73	72
890-1666-61 MSD	EX-2 W3	75	76
890-1666-62	EX-2 W4	68 S1-	79
890-1666-63	EX-2 W5	63 S1-	69 S1-
890-1666-64	EX-3A	67 S1-	80
890-1666-65	EX-3B	74	82
890-1666-66	EX-3C	72	85
890-1666-67	EX-3D	82	90
890-1666-68	EX-3E	65 S1-	75
890-1666-69	EX-3F	71	84
890-1666-70	EX-3G	70	82
890-1666-71	EX-3H	58 S1-	63 S1-
890-1666-72	EX-3I	64 S1-	74
890-1666-73	EX-3J	69 S1-	78
890-1666-74	EX-3K	81	88
890-1666-75	EX-3L	71	82
890-1666-76	EX-3M	66 S1-	76
890-1666-77	EX-3N	70	80
890-1666-78	EX-3O	77	92
890-1666-79	EX-3P	78	93
890-1666-80	EX-3Q	99	116
890-1666-81	EX-3R	80	74
890-1666-81 MS	EX-3R	90	79
890-1666-81 MSD	EX-3R	95	82
890-1666-82	EX-3S	108	107
890-1666-83	EX-3T	100	92
890-1666-84	EX-3U	102	99
890-1666-85	EX-3V	93	94
890-1666-86	EX-3W	112	109
890-1666-87	EX-3X	95	97
890-1666-88	EX-3Y	88	90
890-1666-89	EX-3Z	88	90
890-1666-90	EX-3 W1	88	90
890-1666-91	EX-3 W2	102	103
890-1666-92	EX-3 W3	86	84
890-1666-93	EX-3 W4	90	89
890-1666-94	EX-3 W5	89	89
890-1666-95	EX-3 W6	90	93
890-1666-96	EX-3 W7	87	86
890-1666-97	EX-3 AA	95	96
890-1666-98	EX-3BB	90	92
890-1666-99	EX-4A	93	94
890-1666-100	EX-4B	87	80
890-1666-101	EX-4C	90	103
890-1666-101 MS	EX-4C	92	90
890-1666-101 MSD	EX-4C	92	89
890-1666-102	EX-4D	86	99
890-1666-103	EX-4E	92	104
890-1666-104	EX-4F	93	106
890-1666-105	EX-4G	83	90

Eurofins Xenco, Carlsbad

Surrogate Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
890-1666-106	EX-4H	88	102
890-1666-107	EX-4I	94	113
890-1666-108	EX-4J	113	121
890-1666-109	EX-4 W1	103	110
890-1666-110	EX-4 W2	107	114
890-1666-111	EX-4 W3	85	93
890-1666-112	EX-4 W4	84	85
890-1666-113	EX-5A	85	93
890-1666-114	EX-5B	95	101
890-1666-115	EX-5C	90	100
890-1666-116	EX-5D	94	105
890-1666-117	EX-5E	107	115
890-1666-118	EX-5F	91	96
890-1666-119	EX-5G	89	94
890-1666-120	EX-5H	93	101
890-1666-121	EX-5I	92	102
890-1666-121 MS	EX-5I	95	89
890-1666-121 MSD	EX-5I	92	88
890-1666-122	EX-5J	98	111
890-1666-123	EX-5K	110	126
890-1666-124	EX-5L	92	100
890-1666-125	EX-5 W1	115	132 S1+
890-1666-126	EX-5 W2	108	115
890-1666-127	EX-5 W3	94	104
890-1666-128	EX-5 W4	94	104
890-1666-129	EX-5 W5	101	105
890-1666-130	SS-1	92	95
890-1666-131	SS-2	97	107
LCS 880-13945/2-A	Lab Control Sample	97	101
LCS 880-13946/2-A	Lab Control Sample	93	100
LCS 880-13950/2-A	Lab Control Sample	98	100
LCS 880-14087/2-A	Lab Control Sample	81	85
LCS 880-14088/2-A	Lab Control Sample	87	96
LCS 880-14093/2-A	Lab Control Sample	85	81
LCS 880-14096/2-A	Lab Control Sample	97	97
LCS 880-14199/2-A	Lab Control Sample	102	108
LCSD 880-13945/3-A	Lab Control Sample Dup	93	93
LCSD 880-13946/3-A	Lab Control Sample Dup	104	109
LCSD 880-13950/3-A	Lab Control Sample Dup	92	94
LCSD 880-14087/3-A	Lab Control Sample Dup	90	97
LCSD 880-14088/3-A	Lab Control Sample Dup	104	117
LCSD 880-14093/3-A	Lab Control Sample Dup	129	122
LCSD 880-14096/3-A	Lab Control Sample Dup	97	94
LCSD 880-14199/3-A	Lab Control Sample Dup	100	106
MB 880-13945/1-A	Method Blank	81	98
MB 880-13946/1-A	Method Blank	76	91
MB 880-13950/1-A	Method Blank	98	113
MB 880-14087/1-A	Method Blank	88	104
MB 880-14088/1-A	Method Blank	79	92
MB 880-14093/1-A	Method Blank	92	91

Eurofins Xenco, Carlsbad

Surrogate Summary

Client: Ranger Environmental Services, Inc

Job ID: 890-1666-1

Project/Site: Ross Draw 8

SDG: 5198

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
MB 880-14096/1-A	Method Blank	95	103
MB 880-14199/1-A	Method Blank	98	119
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-13829/5-A

Matrix: Solid

Analysis Batch: 13831

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13829

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		12/03/21 07:56	12/03/21 11:13	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		12/03/21 07:56	12/03/21 11:13	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		12/03/21 07:56	12/03/21 11:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 07:56	12/03/21 11:13	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		12/03/21 07:56	12/03/21 11:13	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 07:56	12/03/21 11:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	12/03/21 07:56	12/03/21 11:13	1
1,4-Difluorobenzene (Surr)	101		70 - 130	12/03/21 07:56	12/03/21 11:13	1

Lab Sample ID: LCS 880-13829/1-A

Matrix: Solid

Analysis Batch: 13831

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13829

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08650		mg/Kg		87	70 - 130
Toluene	0.100	0.08234		mg/Kg		82	70 - 130
Ethylbenzene	0.100	0.08190		mg/Kg		82	70 - 130
m-Xylene & p-Xylene	0.200	0.1707		mg/Kg		85	70 - 130
o-Xylene	0.100	0.08317		mg/Kg		83	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-13829/2-A

Matrix: Solid

Analysis Batch: 13831

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 13829

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08271		mg/Kg		83	70 - 130	4	35
Toluene	0.100	0.07847		mg/Kg		78	70 - 130	5	35
Ethylbenzene	0.100	0.07601		mg/Kg		76	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1567		mg/Kg		78	70 - 130	9	35
o-Xylene	0.100	0.07844		mg/Kg		78	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: MB 880-13837/5-A

Matrix: Solid

Analysis Batch: 13831

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13837

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		12/03/21 08:52	12/03/21 23:03	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		12/03/21 08:52	12/03/21 23:03	1

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-13837/5-A

Matrix: Solid

Analysis Batch: 13831

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13837

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		12/03/21 08:52	12/03/21 23:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 08:52	12/03/21 23:03	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		12/03/21 08:52	12/03/21 23:03	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 08:52	12/03/21 23:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	12/03/21 08:52	12/03/21 23:03	1
1,4-Difluorobenzene (Surr)	110		70 - 130	12/03/21 08:52	12/03/21 23:03	1

Lab Sample ID: LCS 880-13837/1-A

Matrix: Solid

Analysis Batch: 13831

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13837

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08493		mg/Kg		85	70 - 130
Toluene	0.100	0.08016		mg/Kg		80	70 - 130
Ethylbenzene	0.100	0.07693		mg/Kg		77	70 - 130
m-Xylene & p-Xylene	0.200	0.1606		mg/Kg		80	70 - 130
o-Xylene	0.100	0.08096		mg/Kg		81	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-13837/2-A

Matrix: Solid

Analysis Batch: 13831

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 13837

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.09444		mg/Kg		94	70 - 130	11	35
Toluene	0.100	0.08980		mg/Kg		90	70 - 130	11	35
Ethylbenzene	0.100	0.08843		mg/Kg		88	70 - 130	14	35
m-Xylene & p-Xylene	0.200	0.1840		mg/Kg		92	70 - 130	14	35
o-Xylene	0.100	0.09245		mg/Kg		92	70 - 130	13	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-1666-1 MS

Matrix: Solid

Analysis Batch: 13831

Client Sample ID: EX-1A

Prep Type: Total/NA

Prep Batch: 13837

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00198	U F1	0.0996	0.07005		mg/Kg		70	70 - 130
Toluene	<0.00198	U F1	0.0996	0.07244		mg/Kg		73	70 - 130
Ethylbenzene	<0.00198	U F1	0.0996	0.07394		mg/Kg		74	70 - 130
m-Xylene & p-Xylene	0.00112	J	0.199	0.1530		mg/Kg		76	70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-1666-1 MS

Matrix: Solid

Analysis Batch: 13831

Client Sample ID: EX-1A

Prep Type: Total/NA

Prep Batch: 13837

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	<0.00198	U	0.0996	0.08018		mg/Kg		81	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 890-1666-1 MSD

Matrix: Solid

Analysis Batch: 13831

Client Sample ID: EX-1A

Prep Type: Total/NA

Prep Batch: 13837

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.00198	U F1	0.0996	0.06192	F1	mg/Kg		62	70 - 130	12	35
Toluene	<0.00198	U F1	0.0996	0.06572	F1	mg/Kg		66	70 - 130	10	35
Ethylbenzene	<0.00198	U F1	0.0996	0.06613	F1	mg/Kg		66	70 - 130	11	35
m-Xylene & p-Xylene	0.00112	J	0.199	0.1440		mg/Kg		72	70 - 130	6	35
o-Xylene	<0.00198	U	0.0996	0.07306		mg/Kg		73	70 - 130	9	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	121		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: MB 880-13838/5-A

Matrix: Solid

Analysis Batch: 13831

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13838

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		12/03/21 08:54	12/04/21 09:55	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		12/03/21 08:54	12/04/21 09:55	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		12/03/21 08:54	12/04/21 09:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 08:54	12/04/21 09:55	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		12/03/21 08:54	12/04/21 09:55	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 08:54	12/04/21 09:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	12/03/21 08:54	12/04/21 09:55	1
1,4-Difluorobenzene (Surr)	107		70 - 130	12/03/21 08:54	12/04/21 09:55	1

Lab Sample ID: LCS 880-13838/1-A

Matrix: Solid

Analysis Batch: 13831

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13838

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09268		mg/Kg		93	70 - 130
Toluene	0.100	0.08725		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.08520		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	0.200	0.1736		mg/Kg		87	70 - 130
o-Xylene	0.100	0.08626		mg/Kg		86	70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-13838/1-A

Matrix: Solid

Analysis Batch: 13831

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13838

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-13838/2-A

Matrix: Solid

Analysis Batch: 13831

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 13838

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09858		mg/Kg		99	70 - 130	6	35
Toluene	0.100	0.09245		mg/Kg		92	70 - 130	6	35
Ethylbenzene	0.100	0.08704		mg/Kg		87	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1812		mg/Kg		91	70 - 130	4	35
o-Xylene	0.100	0.08763		mg/Kg		88	70 - 130	2	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 890-1666-21 MS

Matrix: Solid

Analysis Batch: 13831

Client Sample ID: EX-1U

Prep Type: Total/NA

Prep Batch: 13838

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00202	U	0.100	0.08139		mg/Kg		81	70 - 130
Toluene	0.000634	J	0.100	0.07549		mg/Kg		75	70 - 130
Ethylbenzene	0.000575	J	0.100	0.07368		mg/Kg		73	70 - 130
m-Xylene & p-Xylene	0.00113	J	0.200	0.1502		mg/Kg		75	70 - 130
o-Xylene	0.000822	J	0.100	0.07440		mg/Kg		74	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 890-1666-21 MSD

Matrix: Solid

Analysis Batch: 13831

Client Sample ID: EX-1U

Prep Type: Total/NA

Prep Batch: 13838

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0990	0.08017		mg/Kg		81	70 - 130	2	35
Toluene	0.000634	J	0.0990	0.07309		mg/Kg		73	70 - 130	3	35
Ethylbenzene	0.000575	J	0.0990	0.07060		mg/Kg		71	70 - 130	4	35
m-Xylene & p-Xylene	0.00113	J	0.198	0.1469		mg/Kg		74	70 - 130	2	35
o-Xylene	0.000822	J	0.0990	0.07445		mg/Kg		74	70 - 130	0	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-13839/5-A

Matrix: Solid

Analysis Batch: 13831

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13839

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		12/03/21 09:11	12/04/21 20:48	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		12/03/21 09:11	12/04/21 20:48	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		12/03/21 09:11	12/04/21 20:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 09:11	12/04/21 20:48	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		12/03/21 09:11	12/04/21 20:48	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 09:11	12/04/21 20:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	12/03/21 09:11	12/04/21 20:48	1
1,4-Difluorobenzene (Surr)	103		70 - 130	12/03/21 09:11	12/04/21 20:48	1

Lab Sample ID: LCS 880-13839/1-A

Matrix: Solid

Analysis Batch: 13831

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13839

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08416		mg/Kg		84	70 - 130
Toluene	0.100	0.08248		mg/Kg		82	70 - 130
Ethylbenzene	0.100	0.08613		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	0.200	0.1792		mg/Kg		90	70 - 130
o-Xylene	0.100	0.08826		mg/Kg		88	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-13839/2-A

Matrix: Solid

Analysis Batch: 13831

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 13839

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.07757		mg/Kg		78	70 - 130	8	35
Toluene	0.100	0.07550		mg/Kg		76	70 - 130	9	35
Ethylbenzene	0.100	0.07704		mg/Kg		77	70 - 130	11	35
m-Xylene & p-Xylene	0.200	0.1636		mg/Kg		82	70 - 130	9	35
o-Xylene	0.100	0.07983		mg/Kg		80	70 - 130	10	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 890-1666-41 MS

Matrix: Solid

Analysis Batch: 13831

Client Sample ID: EX-2D

Prep Type: Total/NA

Prep Batch: 13839

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.000611	J F1	0.100	0.07944		mg/Kg		79	70 - 130
Toluene	0.000919	J F1	0.100	0.07468		mg/Kg		74	70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-1666-41 MS

Matrix: Solid

Analysis Batch: 13831

Client Sample ID: EX-2D

Prep Type: Total/NA

Prep Batch: 13839

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00200	U F1	0.100	0.07725		mg/Kg		77	70 - 130
m-Xylene & p-Xylene	<0.00401	U F1	0.200	0.1594		mg/Kg		80	70 - 130
o-Xylene	0.000569	J F1	0.100	0.08137		mg/Kg		81	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-1666-41 MSD

Matrix: Solid

Analysis Batch: 13831

Client Sample ID: EX-2D

Prep Type: Total/NA

Prep Batch: 13839

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.000611	J F1	0.100	0.06098	F1	mg/Kg		60	70 - 130	26	35
Toluene	0.000919	J F1	0.100	0.06229	F1	mg/Kg		61	70 - 130	18	35
Ethylbenzene	<0.00200	U F1	0.100	0.06414	F1	mg/Kg		64	70 - 130	19	35
m-Xylene & p-Xylene	<0.00401	U F1	0.201	0.1347	F1	mg/Kg		67	70 - 130	17	35
o-Xylene	0.000569	J F1	0.100	0.06860	F1	mg/Kg		68	70 - 130	17	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: MB 880-13840/5-A

Matrix: Solid

Analysis Batch: 13831

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13840

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		12/03/21 09:16	12/05/21 07:39	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		12/03/21 09:16	12/05/21 07:39	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		12/03/21 09:16	12/05/21 07:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 09:16	12/05/21 07:39	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		12/03/21 09:16	12/05/21 07:39	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 09:16	12/05/21 07:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	12/03/21 09:16	12/05/21 07:39	1
1,4-Difluorobenzene (Surr)	96		70 - 130	12/03/21 09:16	12/05/21 07:39	1

Lab Sample ID: LCS 880-13840/1-A

Matrix: Solid

Analysis Batch: 13831

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13840

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.07988		mg/Kg		80	70 - 130
Toluene	0.100	0.07788		mg/Kg		78	70 - 130
Ethylbenzene	0.100	0.07612		mg/Kg		76	70 - 130
m-Xylene & p-Xylene	0.200	0.1630		mg/Kg		82	70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-13840/1-A

Matrix: Solid

Analysis Batch: 13831

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13840

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	0.100	0.08097		mg/Kg		81	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-13840/2-A

Matrix: Solid

Analysis Batch: 13831

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 13840

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.08118		mg/Kg		81	70 - 130	2	35
Toluene	0.100	0.07852		mg/Kg		79	70 - 130	1	35
Ethylbenzene	0.100	0.07911		mg/Kg		79	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1672		mg/Kg		84	70 - 130	3	35
o-Xylene	0.100	0.08352		mg/Kg		84	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-1666-61 MS

Matrix: Solid

Analysis Batch: 13831

Client Sample ID: EX-2 W3

Prep Type: Total/NA

Prep Batch: 13840

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U F2 F1	0.100	0.04358	F1	mg/Kg		43	70 - 130
Toluene	<0.00199	U F2 F1	0.100	0.04217	F1	mg/Kg		42	70 - 130
Ethylbenzene	<0.00199	U F2 F1	0.100	0.04426	F1	mg/Kg		44	70 - 130
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.201	0.09984	F1	mg/Kg		50	70 - 130
o-Xylene	0.000395	J F2 F1	0.100	0.05119	F1	mg/Kg		51	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 890-1666-61 MSD

Matrix: Solid

Analysis Batch: 13831

Client Sample ID: EX-2 W3

Prep Type: Total/NA

Prep Batch: 13840

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.00199	U F2 F1	0.0990	0.07163	F2	mg/Kg		72	70 - 130	49	35
Toluene	<0.00199	U F2 F1	0.0990	0.07676	F2	mg/Kg		78	70 - 130	58	35
Ethylbenzene	<0.00199	U F2 F1	0.0990	0.07672	F2	mg/Kg		77	70 - 130	54	35
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.198	0.1649	F2	mg/Kg		83	70 - 130	49	35
o-Xylene	0.000395	J F2 F1	0.0990	0.08490	F2	mg/Kg		85	70 - 130	50	35

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-1666-61 MSD

Matrix: Solid

Analysis Batch: 13831

Client Sample ID: EX-2 W3

Prep Type: Total/NA

Prep Batch: 13840

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	66	S1-	70 - 130

Lab Sample ID: MB 880-13841/5-A

Matrix: Solid

Analysis Batch: 13932

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13841

Analyte	MB	MB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		12/03/21 09:22	12/06/21 10:34	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		12/03/21 09:22	12/06/21 10:34	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		12/03/21 09:22	12/06/21 10:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 09:22	12/06/21 10:34	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		12/03/21 09:22	12/06/21 10:34	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 09:22	12/06/21 10:34	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	124		70 - 130	12/03/21 09:22	12/06/21 10:34	1			
1,4-Difluorobenzene (Surr)	104		70 - 130	12/03/21 09:22	12/06/21 10:34	1			

Lab Sample ID: LCS 880-13841/1-A

Matrix: Solid

Analysis Batch: 13932

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13841

Analyte	Spike	LCS	LCS						
	Added	Result	Qualifier	Unit	D	%Rec	%Rec.	Limits	
Benzene	0.100	0.08571		mg/Kg		86		70 - 130	
Toluene	0.100	0.09390		mg/Kg		94		70 - 130	
Ethylbenzene	0.100	0.09255		mg/Kg		93		70 - 130	
m-Xylene & p-Xylene	0.200	0.1828		mg/Kg		91		70 - 130	
o-Xylene	0.100	0.08663		mg/Kg		87		70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-13841/2-A

Matrix: Solid

Analysis Batch: 13932

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 13841

Analyte	Spike	LCSD	LCSD							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
Benzene	0.100	0.08716		mg/Kg		87		70 - 130	2	35
Toluene	0.100	0.09775		mg/Kg		98		70 - 130	4	35
Ethylbenzene	0.100	0.09736		mg/Kg		97		70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.1931		mg/Kg		97		70 - 130	5	35
o-Xylene	0.100	0.09645		mg/Kg		96		70 - 130	11	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-13841/2-A

Matrix: Solid

Analysis Batch: 13932

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 13841

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 890-1666-81 MS

Matrix: Solid

Analysis Batch: 13932

Client Sample ID: EX-3R

Prep Type: Total/NA

Prep Batch: 13841

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Benzene	<0.00199	U	0.100	0.07922		mg/Kg		79	70 - 130
Toluene	<0.00199	U	0.100	0.08076		mg/Kg		81	70 - 130
Ethylbenzene	<0.00199	U	0.100	0.07911		mg/Kg		79	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1547		mg/Kg		77	70 - 130
o-Xylene	<0.00199	U	0.100	0.07906		mg/Kg		79	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 890-1666-81 MSD

Matrix: Solid

Analysis Batch: 13932

Client Sample ID: EX-3R

Prep Type: Total/NA

Prep Batch: 13841

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U	0.101	0.08736		mg/Kg		87	70 - 130	10	35
Toluene	<0.00199	U	0.101	0.08222		mg/Kg		82	70 - 130	2	35
Ethylbenzene	<0.00199	U	0.101	0.08309		mg/Kg		83	70 - 130	5	35
m-Xylene & p-Xylene	<0.00398	U	0.201	0.1513		mg/Kg		75	70 - 130	2	35
o-Xylene	<0.00199	U	0.101	0.07737		mg/Kg		77	70 - 130	2	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-13846/5-A

Matrix: Solid

Analysis Batch: 13932

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13846

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		12/03/21 09:40	12/06/21 22:08	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		12/03/21 09:40	12/06/21 22:08	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		12/03/21 09:40	12/06/21 22:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 09:40	12/06/21 22:08	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		12/03/21 09:40	12/06/21 22:08	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 09:40	12/06/21 22:08	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	12/03/21 09:40	12/06/21 22:08	1
1,4-Difluorobenzene (Surr)	100		70 - 130	12/03/21 09:40	12/06/21 22:08	1

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-13846/1-A

Matrix: Solid

Analysis Batch: 13932

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13846

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.07920		mg/Kg		79	70 - 130
Toluene	0.100	0.08649		mg/Kg		86	70 - 130
Ethylbenzene	0.100	0.08761		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	0.200	0.1730		mg/Kg		87	70 - 130
o-Xylene	0.100	0.08413		mg/Kg		84	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-13846/2-A

Matrix: Solid

Analysis Batch: 13932

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 13846

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08197		mg/Kg		82	70 - 130	3	35
Toluene	0.100	0.08303		mg/Kg		83	70 - 130	4	35
Ethylbenzene	0.100	0.08527		mg/Kg		85	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1705		mg/Kg		85	70 - 130	1	35
o-Xylene	0.100	0.08427		mg/Kg		84	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 890-1666-101 MS

Matrix: Solid

Analysis Batch: 13932

Client Sample ID: EX-4C

Prep Type: Total/NA

Prep Batch: 13846

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00202	U F2	0.0998	0.07061		mg/Kg		71	70 - 130
Toluene	<0.00202	U F1 F2	0.0998	0.05930	F1	mg/Kg		59	70 - 130
Ethylbenzene	<0.00202	U F1 F2	0.0998	0.04728	F1	mg/Kg		47	70 - 130
m-Xylene & p-Xylene	<0.00404	U F1 F2	0.200	0.03558	F1	mg/Kg		18	70 - 130
o-Xylene	<0.00202	U F1 F2	0.0998	0.05850	F1	mg/Kg		59	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 890-1666-101 MSD

Matrix: Solid

Analysis Batch: 13932

Client Sample ID: EX-4C

Prep Type: Total/NA

Prep Batch: 13846

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00202	U F2	0.100	0.1193	F2	mg/Kg		119	70 - 130	51	35
Toluene	<0.00202	U F1 F2	0.100	0.1340	F1 F2	mg/Kg		134	70 - 130	77	35
m-Xylene & p-Xylene	<0.00404	U F1 F2	0.200	0.2294	F2	mg/Kg		115	70 - 130	146	35

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	1722	S1+	70 - 130
1,4-Difluorobenzene (Surr)	456	S1+	70 - 130

Lab Sample ID: MB 880-13847/5-A
Matrix: Solid
Analysis Batch: 13920

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 13847

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		12/03/21 09:47	12/05/21 04:51	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		12/03/21 09:47	12/05/21 04:51	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		12/03/21 09:47	12/05/21 04:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 09:47	12/05/21 04:51	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		12/03/21 09:47	12/05/21 04:51	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		12/03/21 09:47	12/05/21 04:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	57	S1-	70 - 130	12/03/21 09:47	12/05/21 04:51	1
1,4-Difluorobenzene (Surr)	95		70 - 130	12/03/21 09:47	12/05/21 04:51	1

Lab Sample ID: LCS 880-13847/1-A
Matrix: Solid
Analysis Batch: 13920

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 13847

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08336		mg/Kg		83	70 - 130
Toluene	0.100	0.07976		mg/Kg		80	70 - 130
Ethylbenzene	0.100	0.07931		mg/Kg		79	70 - 130
m-Xylene & p-Xylene	0.200	0.1737		mg/Kg		87	70 - 130
o-Xylene	0.100	0.08567		mg/Kg		86	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-13847/2-A
Matrix: Solid
Analysis Batch: 13920

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 13847

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.07381		mg/Kg		74	70 - 130	12	35
Toluene	0.100	0.07267		mg/Kg		73	70 - 130	9	35
Ethylbenzene	0.100	0.07039		mg/Kg		70	70 - 130	12	35
m-Xylene & p-Xylene	0.200	0.1545		mg/Kg		77	70 - 130	12	35
o-Xylene	0.100	0.07567		mg/Kg		76	70 - 130	12	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-1666-121 MS

Matrix: Solid

Analysis Batch: 13920

Client Sample ID: EX-5I

Prep Type: Total/NA

Prep Batch: 13847

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U F1 F2	0.0992	0.03102	F1	mg/Kg		31	70 - 130
Toluene	<0.00200	U F1 F2	0.0992	0.02662	F1	mg/Kg		27	70 - 130
Ethylbenzene	<0.00200	U F1 F2	0.0992	0.02866	F1	mg/Kg		29	70 - 130
m-Xylene & p-Xylene	<0.00399	U F1 F2	0.198	0.06258	F1	mg/Kg		32	70 - 130
o-Xylene	<0.00200	U F1 F2	0.0992	0.03535	F1	mg/Kg		36	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	81		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 890-1666-121 MSD

Matrix: Solid

Analysis Batch: 13920

Client Sample ID: EX-5I

Prep Type: Total/NA

Prep Batch: 13847

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F1 F2	0.0990	0.01061	F1 F2	mg/Kg		11	70 - 130	98	35
Toluene	<0.00200	U F1 F2	0.0990	0.01007	F1 F2	mg/Kg		10	70 - 130	90	35
Ethylbenzene	<0.00200	U F1 F2	0.0990	0.01196	F1 F2	mg/Kg		12	70 - 130	82	35
m-Xylene & p-Xylene	<0.00399	U F1 F2	0.198	0.02509	F1 F2	mg/Kg		13	70 - 130	86	35
o-Xylene	<0.00200	U F1 F2	0.0990	0.01668	F1 F2	mg/Kg		17	70 - 130	72	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	86		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: MB 880-13920/8

Matrix: Solid

Analysis Batch: 13920

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg			12/04/21 15:20	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg			12/04/21 15:20	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg			12/04/21 15:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg			12/04/21 15:20	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg			12/04/21 15:20	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg			12/04/21 15:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	55	S1-	70 - 130		12/04/21 15:20	1
1,4-Difluorobenzene (Surr)	91		70 - 130		12/04/21 15:20	1

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-13945/1-A

Matrix: Solid

Analysis Batch: 13939

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13945

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		12/06/21 09:11	12/06/21 10:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 09:11	12/06/21 10:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 09:11	12/06/21 10:41	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				12/06/21 09:11	12/06/21 10:41	1
o-Terphenyl	98		70 - 130				12/06/21 09:11	12/06/21 10:41	1

Lab Sample ID: LCS 880-13945/2-A

Matrix: Solid

Analysis Batch: 13939

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13945

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1040		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	1000	996.2		mg/Kg		100	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	97		70 - 130				
o-Terphenyl	101		70 - 130				

Lab Sample ID: LCSD 880-13945/3-A

Matrix: Solid

Analysis Batch: 13939

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 13945

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	864.1		mg/Kg		86	70 - 130	18	20
Diesel Range Organics (Over C10-C28)	1000	871.6		mg/Kg		87	70 - 130	13	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	93		70 - 130						
o-Terphenyl	93		70 - 130						

Lab Sample ID: 890-1666-1 MS

Matrix: Solid

Analysis Batch: 13939

Client Sample ID: EX-1A

Prep Type: Total/NA

Prep Batch: 13945

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	16.9	J	997	874.3		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	16.5	J	997	876.6		mg/Kg		86	70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-1666-1 MS

Matrix: Solid

Analysis Batch: 13939

Client Sample ID: EX-1A

Prep Type: Total/NA

Prep Batch: 13945

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	75		70 - 130
o-Terphenyl	74		70 - 130

Lab Sample ID: 890-1666-1 MSD

Matrix: Solid

Analysis Batch: 13939

Client Sample ID: EX-1A

Prep Type: Total/NA

Prep Batch: 13945

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	16.9	J	999	969.9		mg/Kg		95	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	16.5	J	999	878.5		mg/Kg		86	70 - 130	0	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	74		70 - 130
o-Terphenyl	72		70 - 130

Lab Sample ID: MB 880-13946/1-A

Matrix: Solid

Analysis Batch: 13941

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13946

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		12/06/21 09:16	12/06/21 10:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 09:16	12/06/21 10:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 09:16	12/06/21 10:41	1

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane	76		70 - 130	12/06/21 09:16	12/06/21 10:41	1
o-Terphenyl	91		70 - 130	12/06/21 09:16	12/06/21 10:41	1

Lab Sample ID: LCS 880-13946/2-A

Matrix: Solid

Analysis Batch: 13941

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13946

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1112		mg/Kg		111	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1095		mg/Kg		109	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	100		70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-13946/3-A

Matrix: Solid

Analysis Batch: 13941

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 13946

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	908.0		mg/Kg		91	70 - 130	20	20
Diesel Range Organics (Over C10-C28)	1000	924.7		mg/Kg		92	70 - 130	17	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	104		70 - 130						
o-Terphenyl	109		70 - 130						

Lab Sample ID: 890-1666-21 MS

Matrix: Solid

Analysis Batch: 13941

Client Sample ID: EX-1U

Prep Type: Total/NA

Prep Batch: 13946

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	36.5	J	997	922.8		mg/Kg		89	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	941.2		mg/Kg		94	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	89		70 - 130								
o-Terphenyl	88		70 - 130								

Lab Sample ID: 890-1666-21 MSD

Matrix: Solid

Analysis Batch: 13941

Client Sample ID: EX-1U

Prep Type: Total/NA

Prep Batch: 13946

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	36.5	J	999	921.9		mg/Kg		89	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	923.1		mg/Kg		92	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	81		70 - 130								
o-Terphenyl	86		70 - 130								

Lab Sample ID: MB 880-13950/1-A

Matrix: Solid

Analysis Batch: 13935

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13950

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		12/06/21 09:30	12/06/21 10:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 09:30	12/06/21 10:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 09:30	12/06/21 10:43	1

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-13950/1-A

Matrix: Solid

Analysis Batch: 13935

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13950

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac				
1-Chlorooctane	98		70 - 130	12/06/21 09:30	12/06/21 10:43	1				
o-Terphenyl	113		70 - 130	12/06/21 09:30	12/06/21 10:43	1				

Lab Sample ID: LCS 880-13950/2-A

Matrix: Solid

Analysis Batch: 13935

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13950

			Spike	LCS	LCS						
Analyte			Added	Result	Qualifier	Unit	D	%Rec	%Rec.	Limits	
Gasoline Range Organics (GRO)-C6-C10			1000	853.0		mg/Kg		85		70 - 130	
Diesel Range Organics (Over C10-C28)			1000	936.2		mg/Kg		94		70 - 130	
Surrogate		LCS	LCS								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	98		70 - 130								
o-Terphenyl	100		70 - 130								

Lab Sample ID: LCSD 880-13950/3-A

Matrix: Solid

Analysis Batch: 13935

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 13950

			Spike	LCSD	LCSD							
Analyte			Added	Result	Qualifier	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	846.3		mg/Kg		85		70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	883.6		mg/Kg		88		70 - 130	6	20
Surrogate		LCSD	LCSD									
	%Recovery	Qualifier	Limits									
1-Chlorooctane	92		70 - 130									
o-Terphenyl	94		70 - 130									

Lab Sample ID: 880-8922-A-12-C MS

Matrix: Solid

Analysis Batch: 13935

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 13950

	Sample	Sample	Spike	MS	MS							
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	%Rec.	Limits		
Gasoline Range Organics (GRO)-C6-C10	21.8	J	997	1074		mg/Kg		106		70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1124		mg/Kg		113		70 - 130		
Surrogate		MS	MS									
	%Recovery	Qualifier	Limits									
1-Chlorooctane	89		70 - 130									
o-Terphenyl	85		70 - 130									

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-8922-A-12-D MSD

Matrix: Solid

Analysis Batch: 13935

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 13950

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	21.8	J	999	1058		mg/Kg		104	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1118		mg/Kg		112	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	89		70 - 130								
o-Terphenyl	85		70 - 130								

Lab Sample ID: MB 880-14087/1-A

Matrix: Solid

Analysis Batch: 14171

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14087

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:16	12/07/21 12:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:16	12/07/21 12:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:16	12/07/21 12:05	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				12/06/21 14:16	12/07/21 12:05	1
o-Terphenyl	104		70 - 130				12/06/21 14:16	12/07/21 12:05	1

Lab Sample ID: LCS 880-14087/2-A

Matrix: Solid

Analysis Batch: 14171

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 14087

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	908.6		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1003		mg/Kg		100	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	81		70 - 130						
o-Terphenyl	85		70 - 130						

Lab Sample ID: LCSD 880-14087/3-A

Matrix: Solid

Analysis Batch: 14171

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 14087

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1178	*1	mg/Kg		118	70 - 130	26	20
Diesel Range Organics (Over C10-C28)	1000	974.9		mg/Kg		97	70 - 130	3	20

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-14087/3-A

Matrix: Solid

Analysis Batch: 14171

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 14087

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: 890-1666-41 MS

Matrix: Solid

Analysis Batch: 14171

Client Sample ID: EX-2D

Prep Type: Total/NA

Prep Batch: 14087

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	47.2	J *1	997	1148		mg/Kg		110	70 - 130
Diesel Range Organics (Over C10-C28)	46.7	J	997	1034		mg/Kg		99	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	87		70 - 130						
o-Terphenyl	90		70 - 130						

Lab Sample ID: 890-1666-41 MSD

Matrix: Solid

Analysis Batch: 14171

Client Sample ID: EX-2D

Prep Type: Total/NA

Prep Batch: 14087

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	47.2	J *1	999	1078		mg/Kg		103	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	46.7	J	999	1018		mg/Kg		97	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	86		70 - 130								
o-Terphenyl	87		70 - 130								

Lab Sample ID: MB 880-14088/1-A

Matrix: Solid

Analysis Batch: 14173

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14088

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:21	12/07/21 12:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:21	12/07/21 12:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:21	12/07/21 12:05	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				12/06/21 14:21	12/07/21 12:05	1
o-Terphenyl	92		70 - 130				12/06/21 14:21	12/07/21 12:05	1

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-14088/2-A

Matrix: Solid

Analysis Batch: 14173

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 14088

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec.		
			Added	Result	Qualifier			Limits			
Gasoline Range Organics (GRO)-C6-C10			1000	869.1		mg/Kg		87	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	993.6		mg/Kg		99	70 - 130		
					</						

Lab Sample ID: LCSD 880-14088/3-A

Matrix: Solid

Analysis Batch: 14173

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 14088

Top Bottom View											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	858.3		mg/Kg		86	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	980.5		mg/Kg		98	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
1-Chlorooctane	104		70 - 130								
o-Terphenyl	117		70 - 130								

Lab Sample ID: 890-1666-61 MS

Matrix: Solid

Analysis Batch: 14173

Client Sample ID: EX-2 W3

Prep Type: Total/NA

Prep Batch: 14088

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	17.4	J	997	1007		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	32.4	J	997	792.8		mg/Kg		76	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	73		70 - 130						
o-Terphenyl	72		70 - 130						

Lab Sample ID: 890-1666-61 MSD

Matrix: Solid

Analysis Batch: 14173

Client Sample ID: EX-2 W3

Prep Type: Total/NA

Prep Batch: 14088

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	17.4	J	999	1071		mg/Kg		105	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	32.4	J	999	827.3		mg/Kg		80	70 - 130	4	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	75		70 - 130								

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-1666-61 MSD

Matrix: Solid

Analysis Batch: 14173

Client Sample ID: EX-2 W3

Prep Type: Total/NA

Prep Batch: 14088

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	76		70 - 130

Lab Sample ID: MB 880-14093/1-A

Matrix: Solid

Analysis Batch: 14176

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14093

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:44	12/07/21 12:11	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:44	12/07/21 12:11	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:44	12/07/21 12:11	1	
	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	92		70 - 130				12/06/21 14:44	12/07/21 12:11	1	
<i>o</i> -Terphenyl	91		70 - 130				12/06/21 14:44	12/07/21 12:11	1	

Lab Sample ID: LCS 880-14093/2-A

Matrix: Solid

Analysis Batch: 14176

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 14093

			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	857.6		mg/Kg		86	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1124		mg/Kg		112	70 - 130		
Surrogate	LCS	LCS									
	%Recovery	Qualifier	Limits								
1-Chlorooctane	85		70 - 130								
<i>o</i> -Terphenyl	81		70 - 130								

Lab Sample ID: LCSD 880-14093/3-A

Matrix: Solid

Analysis Batch: 14176

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 14093

			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	861.4		mg/Kg		86	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	1105		mg/Kg		110	70 - 130	2	20
Surrogate	LCSD	LCSD									
	%Recovery	Qualifier	Limits								
1-Chlorooctane	129		70 - 130								
<i>o</i> -Terphenyl	122		70 - 130								

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-1666-81 MS

Matrix: Solid

Analysis Batch: 14176

Client Sample ID: EX-3R

Prep Type: Total/NA

Prep Batch: 14093

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1149		mg/Kg		115	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1016		mg/Kg		102	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	90		70 - 130						
o-Terphenyl	79		70 - 130						

Lab Sample ID: 890-1666-81 MSD

Matrix: Solid

Analysis Batch: 14176

Client Sample ID: EX-3R

Prep Type: Total/NA

Prep Batch: 14093

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1180		mg/Kg		118	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1064		mg/Kg		106	70 - 130	5	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	95		70 - 130								
o-Terphenyl	82		70 - 130								

Lab Sample ID: MB 880-14096/1-A

Matrix: Solid

Analysis Batch: 14177

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14096

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:49	12/07/21 12:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:49	12/07/21 12:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/06/21 14:49	12/07/21 12:11	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				12/06/21 14:49	12/07/21 12:11	1
o-Terphenyl	103		70 - 130				12/06/21 14:49	12/07/21 12:11	1

Lab Sample ID: LCS 880-14096/2-A

Matrix: Solid

Analysis Batch: 14177

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 14096

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	852.2		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	1000	859.0		mg/Kg		86	70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-14096/2-A

Matrix: Solid

Analysis Batch: 14177

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 14096

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: LCSD 880-14096/3-A

Matrix: Solid

Analysis Batch: 14177

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 14096

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	948.5		mg/Kg		95	70 - 130	11	20
Diesel Range Organics (Over C10-C28)			1000	807.0		mg/Kg		81	70 - 130	6	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	94		70 - 130

Lab Sample ID: 890-1666-101 MS

Matrix: Solid

Analysis Batch: 14177

Client Sample ID: EX-4C

Prep Type: Total/NA

Prep Batch: 14096

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	22.9	J	997	1116		mg/Kg		110	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1100		mg/Kg		110	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: 890-1666-101 MSD

Matrix: Solid

Analysis Batch: 14177

Client Sample ID: EX-4C

Prep Type: Total/NA

Prep Batch: 14096

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	22.9	J	999	1159		mg/Kg		114	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1103		mg/Kg		110	70 - 130	0	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	89		70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-14199/1-A

Matrix: Solid

Analysis Batch: 14177

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 14199

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	17.98	J	50.0	15.0	mg/Kg		12/07/21 13:23	12/07/21 22:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		12/07/21 13:23	12/07/21 22:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		12/07/21 13:23	12/07/21 22:04	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				12/07/21 13:23	12/07/21 22:04	1
o-Terphenyl	119		70 - 130				12/07/21 13:23	12/07/21 22:04	1

Lab Sample ID: LCS 880-14199/2-A

Matrix: Solid

Analysis Batch: 14177

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 14199

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	937.9		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	1000	918.5		mg/Kg		92	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	102		70 - 130				
o-Terphenyl	108		70 - 130				

Lab Sample ID: LCSD 880-14199/3-A

Matrix: Solid

Analysis Batch: 14177

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 14199

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	921.5		mg/Kg		92	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	906.6		mg/Kg		91	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	100		70 - 130						
o-Terphenyl	106		70 - 130						

Lab Sample ID: 890-1666-121 MS

Matrix: Solid

Analysis Batch: 14177

Client Sample ID: EX-51

Prep Type: Total/NA

Prep Batch: 14199

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	23.7	J B	997	945.6		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1211		mg/Kg		121	70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-1666-121 MS

Matrix: Solid

Analysis Batch: 14177

Client Sample ID: EX-51

Prep Type: Total/NA

Prep Batch: 14199

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	89		70 - 130

Lab Sample ID: 890-1666-121 MSD

Matrix: Solid

Analysis Batch: 14177

Client Sample ID: EX-51

Prep Type: Total/NA

Prep Batch: 14199

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	23.7	J B	999	966.4		mg/Kg		94	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1204		mg/Kg		121	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	88		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-14190/1-A

Matrix: Solid

Analysis Batch: 14371

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.858	mg/Kg			12/10/21 13:10	1

Lab Sample ID: LCS 880-14190/2-A

Matrix: Solid

Analysis Batch: 14371

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	274.3		mg/Kg		110	90 - 110

Lab Sample ID: LCSD 880-14190/3-A

Matrix: Solid

Analysis Batch: 14371

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	265.9		mg/Kg		106	90 - 110	3	20

Lab Sample ID: 890-1665-A-1-G MS

Matrix: Solid

Analysis Batch: 14371

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	1290		248	1448	4	mg/Kg		66	90 - 110

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-1665-A-1-H MSD

Matrix: Solid

Analysis Batch: 14371

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1290		248	1560	E 4	mg/Kg		111	90 - 110	NC	20

Lab Sample ID: MB 880-14191/1-A

Matrix: Solid

Analysis Batch: 14372

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.858	mg/Kg			12/10/21 01:07	1

Lab Sample ID: LCS 880-14191/2-A

Matrix: Solid

Analysis Batch: 14372

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	268.0		mg/Kg		107	90 - 110

Lab Sample ID: LCSD 880-14191/3-A

Matrix: Solid

Analysis Batch: 14372

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	269.0		mg/Kg		108	90 - 110	0	20

Lab Sample ID: 890-1666-84 MS

Matrix: Solid

Analysis Batch: 14372

Client Sample ID: EX-3U

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	397		249	663.9		mg/Kg		107	90 - 110

Lab Sample ID: 890-1666-84 MSD

Matrix: Solid

Analysis Batch: 14372

Client Sample ID: EX-3U

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	397		249	663.6		mg/Kg		107	90 - 110	0	20

Lab Sample ID: 890-1666-94 MS

Matrix: Solid

Analysis Batch: 14372

Client Sample ID: EX-3 W5

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	112	F1	248	398.0	F1	mg/Kg		115	90 - 110

Lab Sample ID: 890-1666-94 MSD

Matrix: Solid

Analysis Batch: 14372

Client Sample ID: EX-3 W5

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	112	F1	248	398.6	F1	mg/Kg		116	90 - 110	0	20

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-14192/1-A

Matrix: Solid

Analysis Batch: 14373

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.858	mg/Kg			12/10/21 05:00	1

Lab Sample ID: LCS 880-14192/2-A

Matrix: Solid

Analysis Batch: 14373

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	267.9		mg/Kg		107	90 - 110

Lab Sample ID: LCSD 880-14192/3-A

Matrix: Solid

Analysis Batch: 14373

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	270.1		mg/Kg		108	90 - 110	1	20

Lab Sample ID: 880-8888-A-1-D MS

Matrix: Solid

Analysis Batch: 14373

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	8140	F1	2490	11890	F1	mg/Kg		151	90 - 110

Lab Sample ID: 880-8888-A-1-E MSD

Matrix: Solid

Analysis Batch: 14373

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	8140	F1	2490	11800	F1	mg/Kg		147	90 - 110	1	20

Lab Sample ID: 880-8898-A-8-D MS

Matrix: Solid

Analysis Batch: 14373

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	237	F1	248	525.8	F1	mg/Kg		116	90 - 110

Lab Sample ID: 880-8898-A-8-E MSD

Matrix: Solid

Analysis Batch: 14373

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	237	F1	248	526.6	F1	mg/Kg		117	90 - 110	0	20

Lab Sample ID: MB 880-14193/1-A

Matrix: Solid

Analysis Batch: 14374

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.858	mg/Kg			12/11/21 01:02	1

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-14193/2-A

Matrix: Solid

Analysis Batch: 14374

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	272.8		mg/Kg		109	90 - 110

Lab Sample ID: LCSD 880-14193/3-A

Matrix: Solid

Analysis Batch: 14374

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	273.2		mg/Kg		109	90 - 110	0	20

Lab Sample ID: 880-8912-A-1-H MS

Matrix: Solid

Analysis Batch: 14374

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	6.66	F1	248	281.8	F1	mg/Kg		111	90 - 110

Lab Sample ID: 880-8912-A-1-I MSD

Matrix: Solid

Analysis Batch: 14374

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	6.66	F1	248	281.5	F1	mg/Kg		111	90 - 110	0	20

Lab Sample ID: MB 880-14196/1-A

Matrix: Solid

Analysis Batch: 14452

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.858	mg/Kg			12/10/21 19:10	1

Lab Sample ID: LCS 880-14196/2-A

Matrix: Solid

Analysis Batch: 14452

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	264.1		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-14196/3-A

Matrix: Solid

Analysis Batch: 14452

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	267.9		mg/Kg		107	90 - 110	1	20

Lab Sample ID: 890-1666-14 MS

Matrix: Solid

Analysis Batch: 14452

Client Sample ID: EX-1N

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	141		249	415.5		mg/Kg		110	90 - 110

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-1666-14 MSD

Matrix: Solid

Analysis Batch: 14452

Client Sample ID: EX-1N

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	141		249	400.7		mg/Kg		104	90 - 110	4	20

Lab Sample ID: 890-1666-24 MS

Matrix: Solid

Analysis Batch: 14452

Client Sample ID: EX-1X

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	349		248	596.5		mg/Kg		100	90 - 110		

Lab Sample ID: 890-1666-24 MSD

Matrix: Solid

Analysis Batch: 14452

Client Sample ID: EX-1X

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	349		248	618.1		mg/Kg		108	90 - 110	4	20

Lab Sample ID: MB 880-14197/1-A

Matrix: Solid

Analysis Batch: 14453

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.858	mg/Kg			12/10/21 16:04	1

Lab Sample ID: LCS 880-14197/2-A

Matrix: Solid

Analysis Batch: 14453

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	250	265.9		mg/Kg		106	90 - 110		

Lab Sample ID: LCSD 880-14197/3-A

Matrix: Solid

Analysis Batch: 14453

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	265.9		mg/Kg		106	90 - 110	0	20

Lab Sample ID: 890-1666-34 MS

Matrix: Solid

Analysis Batch: 14453

Client Sample ID: EX-1 W4

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	354		249	612.8		mg/Kg		104	90 - 110		

Lab Sample ID: 890-1666-34 MSD

Matrix: Solid

Analysis Batch: 14453

Client Sample ID: EX-1 W4

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	354		249	615.3		mg/Kg		105	90 - 110	0	20

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-1666-44 MS

Matrix: Solid

Analysis Batch: 14453

Client Sample ID: EX-2G

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	79.1		248	341.2		mg/Kg		106	90 - 110

Lab Sample ID: 890-1666-44 MSD

Matrix: Solid

Analysis Batch: 14453

Client Sample ID: EX-2G

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	79.1		248	339.2		mg/Kg		105	90 - 110	1	20

Lab Sample ID: MB 880-14198/1-A

Matrix: Solid

Analysis Batch: 14454

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.858	mg/Kg			12/10/21 20:57	1

Lab Sample ID: LCS 880-14198/2-A

Matrix: Solid

Analysis Batch: 14454

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	263.9		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-14198/3-A

Matrix: Solid

Analysis Batch: 14454

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	263.0		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-8927-B-10-D MS

Matrix: Solid

Analysis Batch: 14454

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	147		249	401.5		mg/Kg		102	90 - 110

Lab Sample ID: 880-8927-B-10-E MSD

Matrix: Solid

Analysis Batch: 14454

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	147		249	400.6		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-8945-A-2-F MS

Matrix: Solid

Analysis Batch: 14454

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	773	F1	1240	2173	F1	mg/Kg		113	90 - 110

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-8945-A-2-G MSD

Matrix: Solid

Analysis Batch: 14454

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	773	F1	1240	2124		mg/Kg		109	90 - 110	2	20

Lab Sample ID: MB 880-14194/1-A

Matrix: Solid

Analysis Batch: 14539

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.858	mg/Kg			12/11/21 04:55	1

Lab Sample ID: LCS 880-14194/2-A

Matrix: Solid

Analysis Batch: 14539

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	274.6		mg/Kg		110	90 - 110

Lab Sample ID: LCSD 880-14194/3-A

Matrix: Solid

Analysis Batch: 14539

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	273.7		mg/Kg		109	90 - 110	0	20

Lab Sample ID: 890-1666-7 MS

Matrix: Solid

Analysis Batch: 14539

Client Sample ID: EX-1G

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	235		249	502.3		mg/Kg		107	90 - 110

Lab Sample ID: 890-1666-7 MSD

Matrix: Solid

Analysis Batch: 14539

Client Sample ID: EX-1G

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	235		249	503.7		mg/Kg		108	90 - 110	0	20

Lab Sample ID: 890-1666-113 MS

Matrix: Solid

Analysis Batch: 14539

Client Sample ID: EX-5A

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	453		248	695.0		mg/Kg		98	90 - 110

Lab Sample ID: 890-1666-113 MSD

Matrix: Solid

Analysis Batch: 14539

Client Sample ID: EX-5A

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	453		248	693.8		mg/Kg		97	90 - 110	0	20

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-14195/1-A

Matrix: Solid

Analysis Batch: 14540

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.858	mg/Kg			12/11/21 08:48	1

Lab Sample ID: LCS 880-14195/2-A

Matrix: Solid

Analysis Batch: 14540

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	274.2		mg/Kg		110	90 - 110

Lab Sample ID: LCSD 880-14195/3-A

Matrix: Solid

Analysis Batch: 14540

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	274.0		mg/Kg		110	90 - 110	0	20

Lab Sample ID: 890-1666-13 MS

Matrix: Solid

Analysis Batch: 14540

Client Sample ID: EX-1M

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	121		249	380.8		mg/Kg		104	90 - 110

Lab Sample ID: 890-1666-13 MSD

Matrix: Solid

Analysis Batch: 14540

Client Sample ID: EX-1M

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	121		249	372.0		mg/Kg		101	90 - 110	2	20

Lab Sample ID: MB 880-14777/1-A

Matrix: Solid

Analysis Batch: 14923

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.858	mg/Kg			12/15/21 17:39	1

Lab Sample ID: LCS 880-14777/2-A

Matrix: Solid

Analysis Batch: 14923

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	270.1		mg/Kg		108	90 - 110

Lab Sample ID: LCSD 880-14777/3-A

Matrix: Solid

Analysis Batch: 14923

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	273.0		mg/Kg		109	90 - 110	1	20

Eurofins Xenco, Carlsbad

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-1666-64 MS

Matrix: Solid

Analysis Batch: 14923

Client Sample ID: EX-3A

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	496	F1	2500	3416	F1	mg/Kg		117	90 - 110		

Lab Sample ID: 890-1666-64 MSD

Matrix: Solid

Analysis Batch: 14923

Client Sample ID: EX-3A

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	496	F1	2500	3434	F1	mg/Kg		118	90 - 110	1	20

Lab Sample ID: 890-1666-74 MS

Matrix: Solid

Analysis Batch: 14923

Client Sample ID: EX-3K

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	752		2480	3431		mg/Kg		108	90 - 110		

Lab Sample ID: 890-1666-74 MSD

Matrix: Solid

Analysis Batch: 14923

Client Sample ID: EX-3K

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	752		2480	3405		mg/Kg		107	90 - 110	1	20

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

GC VOA

Prep Batch: 13829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-131	SS-2	Total/NA	Solid	5035	
MB 880-13829/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-13829/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-13829/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 13831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-1	EX-1A	Total/NA	Solid	8021B	13837
890-1666-2	EX-1B	Total/NA	Solid	8021B	13837
890-1666-3	EX-1C	Total/NA	Solid	8021B	13837
890-1666-4	EX-1D	Total/NA	Solid	8021B	13837
890-1666-5	EX-1E	Total/NA	Solid	8021B	13837
890-1666-6	EX-1F	Total/NA	Solid	8021B	13837
890-1666-7	EX-1G	Total/NA	Solid	8021B	13837
890-1666-8	EX-1H	Total/NA	Solid	8021B	13837
890-1666-9	EX-1I	Total/NA	Solid	8021B	13837
890-1666-10	EX-1J	Total/NA	Solid	8021B	13837
890-1666-11	EX-1K	Total/NA	Solid	8021B	13837
890-1666-12	EX-1L	Total/NA	Solid	8021B	13837
890-1666-13	EX-1M	Total/NA	Solid	8021B	13837
890-1666-14	EX-1N	Total/NA	Solid	8021B	13837
890-1666-15	EX-1O	Total/NA	Solid	8021B	13837
890-1666-16	EX-1P	Total/NA	Solid	8021B	13837
890-1666-17	EX-1Q	Total/NA	Solid	8021B	13837
890-1666-18	EX-1R	Total/NA	Solid	8021B	13837
890-1666-19	EX-1S	Total/NA	Solid	8021B	13837
890-1666-20	EX-1T	Total/NA	Solid	8021B	13837
890-1666-21	EX-1U	Total/NA	Solid	8021B	13838
890-1666-22	EX-1V	Total/NA	Solid	8021B	13838
890-1666-23	EX-1W	Total/NA	Solid	8021B	13838
890-1666-24	EX-1X	Total/NA	Solid	8021B	13838
890-1666-25	EX-1Y	Total/NA	Solid	8021B	13838
890-1666-26	EX-1Z	Total/NA	Solid	8021B	13838
890-1666-27	EX-1AA	Total/NA	Solid	8021B	13838
890-1666-28	EX-1BB	Total/NA	Solid	8021B	13838
890-1666-29	EX-1CC	Total/NA	Solid	8021B	13838
890-1666-30	EX-1DD	Total/NA	Solid	8021B	13838
890-1666-31	EX-1 W1	Total/NA	Solid	8021B	13838
890-1666-32	EX-1 W2	Total/NA	Solid	8021B	13838
890-1666-33	EX-1 W3	Total/NA	Solid	8021B	13838
890-1666-34	EX-1 W4	Total/NA	Solid	8021B	13838
890-1666-35	EX-1 W5	Total/NA	Solid	8021B	13838
890-1666-36	EX-1 W6	Total/NA	Solid	8021B	13838
890-1666-37	EX-1 W7	Total/NA	Solid	8021B	13838
890-1666-38	EX-2A	Total/NA	Solid	8021B	13838
890-1666-39	EX-2B	Total/NA	Solid	8021B	13838
890-1666-40	EX-2C	Total/NA	Solid	8021B	13838
890-1666-41	EX-2D	Total/NA	Solid	8021B	13839
890-1666-42	EX-2E	Total/NA	Solid	8021B	13839
890-1666-43	EX-2F	Total/NA	Solid	8021B	13839
890-1666-44	EX-2G	Total/NA	Solid	8021B	13839

Eurofins Xenco, Carlsbad

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

GC VOA (Continued)

Analysis Batch: 13831 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-45	EX-2H	Total/NA	Solid	8021B	13839
890-1666-46	EX-2I	Total/NA	Solid	8021B	13839
890-1666-47	EX-2J	Total/NA	Solid	8021B	13839
890-1666-48	EX-2K	Total/NA	Solid	8021B	13839
890-1666-49	EX-2L	Total/NA	Solid	8021B	13839
890-1666-50	EX-2M	Total/NA	Solid	8021B	13839
890-1666-51	EX-2N	Total/NA	Solid	8021B	13839
890-1666-52	EX-2O	Total/NA	Solid	8021B	13839
890-1666-53	EX-2P	Total/NA	Solid	8021B	13839
890-1666-54	EX-2Q	Total/NA	Solid	8021B	13839
890-1666-55	EX-2R	Total/NA	Solid	8021B	13839
890-1666-56	EX-2S	Total/NA	Solid	8021B	13839
890-1666-57	EX-2T	Total/NA	Solid	8021B	13839
890-1666-58	EX-2U	Total/NA	Solid	8021B	13839
890-1666-59	EX-2 W1	Total/NA	Solid	8021B	13839
890-1666-60	EX-2 W2	Total/NA	Solid	8021B	13839
890-1666-61	EX-2 W3	Total/NA	Solid	8021B	13840
890-1666-62	EX-2 W4	Total/NA	Solid	8021B	13840
890-1666-63	EX-2 W5	Total/NA	Solid	8021B	13840
890-1666-64	EX-3A	Total/NA	Solid	8021B	13840
890-1666-65	EX-3B	Total/NA	Solid	8021B	13840
890-1666-66	EX-3C	Total/NA	Solid	8021B	13840
890-1666-67	EX-3D	Total/NA	Solid	8021B	13840
890-1666-68	EX-3E	Total/NA	Solid	8021B	13840
890-1666-69	EX-3F	Total/NA	Solid	8021B	13840
890-1666-70	EX-3G	Total/NA	Solid	8021B	13840
890-1666-71	EX-3H	Total/NA	Solid	8021B	13840
890-1666-72	EX-3I	Total/NA	Solid	8021B	13840
890-1666-73	EX-3J	Total/NA	Solid	8021B	13840
890-1666-74	EX-3K	Total/NA	Solid	8021B	13840
890-1666-75	EX-3L	Total/NA	Solid	8021B	13840
890-1666-76	EX-3M	Total/NA	Solid	8021B	13840
890-1666-77	EX-3N	Total/NA	Solid	8021B	13840
890-1666-78	EX-3O	Total/NA	Solid	8021B	13840
890-1666-79	EX-3P	Total/NA	Solid	8021B	13840
890-1666-80	EX-3Q	Total/NA	Solid	8021B	13840
890-1666-131	SS-2	Total/NA	Solid	8021B	13829
MB 880-13829/5-A	Method Blank	Total/NA	Solid	8021B	13829
MB 880-13837/5-A	Method Blank	Total/NA	Solid	8021B	13837
MB 880-13838/5-A	Method Blank	Total/NA	Solid	8021B	13838
MB 880-13839/5-A	Method Blank	Total/NA	Solid	8021B	13839
MB 880-13840/5-A	Method Blank	Total/NA	Solid	8021B	13840
LCS 880-13829/1-A	Lab Control Sample	Total/NA	Solid	8021B	13829
LCS 880-13837/1-A	Lab Control Sample	Total/NA	Solid	8021B	13837
LCS 880-13838/1-A	Lab Control Sample	Total/NA	Solid	8021B	13838
LCS 880-13839/1-A	Lab Control Sample	Total/NA	Solid	8021B	13839
LCS 880-13840/1-A	Lab Control Sample	Total/NA	Solid	8021B	13840
LCSD 880-13829/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	13829
LCSD 880-13837/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	13837
LCSD 880-13838/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	13838
LCSD 880-13839/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	13839

Eurofins Xenco, Carlsbad

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

GC VOA (Continued)

Analysis Batch: 13831 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-13840/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	13840
890-1666-1 MS	EX-1A	Total/NA	Solid	8021B	13837
890-1666-1 MSD	EX-1A	Total/NA	Solid	8021B	13837
890-1666-21 MS	EX-1U	Total/NA	Solid	8021B	13838
890-1666-21 MSD	EX-1U	Total/NA	Solid	8021B	13838
890-1666-41 MS	EX-2D	Total/NA	Solid	8021B	13839
890-1666-41 MSD	EX-2D	Total/NA	Solid	8021B	13839
890-1666-61 MS	EX-2 W3	Total/NA	Solid	8021B	13840
890-1666-61 MSD	EX-2 W3	Total/NA	Solid	8021B	13840

Prep Batch: 13837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-1	EX-1A	Total/NA	Solid	5035	
890-1666-2	EX-1B	Total/NA	Solid	5035	
890-1666-3	EX-1C	Total/NA	Solid	5035	
890-1666-4	EX-1D	Total/NA	Solid	5035	
890-1666-5	EX-1E	Total/NA	Solid	5035	
890-1666-6	EX-1F	Total/NA	Solid	5035	
890-1666-7	EX-1G	Total/NA	Solid	5035	
890-1666-8	EX-1H	Total/NA	Solid	5035	
890-1666-9	EX-1I	Total/NA	Solid	5035	
890-1666-10	EX-1J	Total/NA	Solid	5035	
890-1666-11	EX-1K	Total/NA	Solid	5035	
890-1666-12	EX-1L	Total/NA	Solid	5035	
890-1666-13	EX-1M	Total/NA	Solid	5035	
890-1666-14	EX-1N	Total/NA	Solid	5035	
890-1666-15	EX-1O	Total/NA	Solid	5035	
890-1666-16	EX-1P	Total/NA	Solid	5035	
890-1666-17	EX-1Q	Total/NA	Solid	5035	
890-1666-18	EX-1R	Total/NA	Solid	5035	
890-1666-19	EX-1S	Total/NA	Solid	5035	
890-1666-20	EX-1T	Total/NA	Solid	5035	
MB 880-13837/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-13837/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-13837/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1666-1 MS	EX-1A	Total/NA	Solid	5035	
890-1666-1 MSD	EX-1A	Total/NA	Solid	5035	

Prep Batch: 13838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-21	EX-1U	Total/NA	Solid	5035	
890-1666-22	EX-1V	Total/NA	Solid	5035	
890-1666-23	EX-1W	Total/NA	Solid	5035	
890-1666-24	EX-1X	Total/NA	Solid	5035	
890-1666-25	EX-1Y	Total/NA	Solid	5035	
890-1666-26	EX-1Z	Total/NA	Solid	5035	
890-1666-27	EX-1AA	Total/NA	Solid	5035	
890-1666-28	EX-1BB	Total/NA	Solid	5035	
890-1666-29	EX-1CC	Total/NA	Solid	5035	
890-1666-30	EX-1DD	Total/NA	Solid	5035	
890-1666-31	EX-1 W1	Total/NA	Solid	5035	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

GC VOA (Continued)

Prep Batch: 13838 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-32	EX-1 W2	Total/NA	Solid	5035	
890-1666-33	EX-1 W3	Total/NA	Solid	5035	
890-1666-34	EX-1 W4	Total/NA	Solid	5035	
890-1666-35	EX-1 W5	Total/NA	Solid	5035	
890-1666-36	EX-1 W6	Total/NA	Solid	5035	
890-1666-37	EX-1 W7	Total/NA	Solid	5035	
890-1666-38	EX-2A	Total/NA	Solid	5035	
890-1666-39	EX-2B	Total/NA	Solid	5035	
890-1666-40	EX-2C	Total/NA	Solid	5035	
MB 880-13838/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-13838/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-13838/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1666-21 MS	EX-1U	Total/NA	Solid	5035	
890-1666-21 MSD	EX-1U	Total/NA	Solid	5035	

Prep Batch: 13839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-41	EX-2D	Total/NA	Solid	5035	
890-1666-42	EX-2E	Total/NA	Solid	5035	
890-1666-43	EX-2F	Total/NA	Solid	5035	
890-1666-44	EX-2G	Total/NA	Solid	5035	
890-1666-45	EX-2H	Total/NA	Solid	5035	
890-1666-46	EX-2I	Total/NA	Solid	5035	
890-1666-47	EX-2J	Total/NA	Solid	5035	
890-1666-48	EX-2K	Total/NA	Solid	5035	
890-1666-49	EX-2L	Total/NA	Solid	5035	
890-1666-50	EX-2M	Total/NA	Solid	5035	
890-1666-51	EX-2N	Total/NA	Solid	5035	
890-1666-52	EX-2O	Total/NA	Solid	5035	
890-1666-53	EX-2P	Total/NA	Solid	5035	
890-1666-54	EX-2Q	Total/NA	Solid	5035	
890-1666-55	EX-2R	Total/NA	Solid	5035	
890-1666-56	EX-2S	Total/NA	Solid	5035	
890-1666-57	EX-2T	Total/NA	Solid	5035	
890-1666-58	EX-2U	Total/NA	Solid	5035	
890-1666-59	EX-2 W1	Total/NA	Solid	5035	
890-1666-60	EX-2 W2	Total/NA	Solid	5035	
MB 880-13839/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-13839/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-13839/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1666-41 MS	EX-2D	Total/NA	Solid	5035	
890-1666-41 MSD	EX-2D	Total/NA	Solid	5035	

Prep Batch: 13840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-61	EX-2 W3	Total/NA	Solid	5035	
890-1666-62	EX-2 W4	Total/NA	Solid	5035	
890-1666-63	EX-2 W5	Total/NA	Solid	5035	
890-1666-64	EX-3A	Total/NA	Solid	5035	
890-1666-65	EX-3B	Total/NA	Solid	5035	
890-1666-66	EX-3C	Total/NA	Solid	5035	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

GC VOA (Continued)

Prep Batch: 13840 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-67	EX-3D	Total/NA	Solid	5035	
890-1666-68	EX-3E	Total/NA	Solid	5035	
890-1666-69	EX-3F	Total/NA	Solid	5035	
890-1666-70	EX-3G	Total/NA	Solid	5035	
890-1666-71	EX-3H	Total/NA	Solid	5035	
890-1666-72	EX-3I	Total/NA	Solid	5035	
890-1666-73	EX-3J	Total/NA	Solid	5035	
890-1666-74	EX-3K	Total/NA	Solid	5035	
890-1666-75	EX-3L	Total/NA	Solid	5035	
890-1666-76	EX-3M	Total/NA	Solid	5035	
890-1666-77	EX-3N	Total/NA	Solid	5035	
890-1666-78	EX-3O	Total/NA	Solid	5035	
890-1666-79	EX-3P	Total/NA	Solid	5035	
890-1666-80	EX-3Q	Total/NA	Solid	5035	
MB 880-13840/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-13840/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-13840/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1666-61 MS	EX-2 W3	Total/NA	Solid	5035	
890-1666-61 MSD	EX-2 W3	Total/NA	Solid	5035	

Prep Batch: 13841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-81	EX-3R	Total/NA	Solid	5035	
890-1666-82	EX-3S	Total/NA	Solid	5035	
890-1666-83	EX-3T	Total/NA	Solid	5035	
890-1666-84	EX-3U	Total/NA	Solid	5035	
890-1666-85	EX-3V	Total/NA	Solid	5035	
890-1666-86	EX-3W	Total/NA	Solid	5035	
890-1666-87	EX-3X	Total/NA	Solid	5035	
890-1666-88	EX-3Y	Total/NA	Solid	5035	
890-1666-89	EX-3Z	Total/NA	Solid	5035	
890-1666-90	EX-3 W1	Total/NA	Solid	5035	
890-1666-91	EX-3 W2	Total/NA	Solid	5035	
890-1666-92	EX-3 W3	Total/NA	Solid	5035	
890-1666-93	EX-3 W4	Total/NA	Solid	5035	
890-1666-94	EX-3 W5	Total/NA	Solid	5035	
890-1666-95	EX-3 W6	Total/NA	Solid	5035	
890-1666-96	EX-3 W7	Total/NA	Solid	5035	
890-1666-97	EX-3 AA	Total/NA	Solid	5035	
890-1666-98	EX-3BB	Total/NA	Solid	5035	
890-1666-99	EX-4A	Total/NA	Solid	5035	
890-1666-100	EX-4B	Total/NA	Solid	5035	
MB 880-13841/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-13841/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-13841/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1666-81 MS	EX-3R	Total/NA	Solid	5035	
890-1666-81 MSD	EX-3R	Total/NA	Solid	5035	

Prep Batch: 13846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-101	EX-4C	Total/NA	Solid	5035	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

GC VOA (Continued)

Prep Batch: 13846 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-102	EX-4D	Total/NA	Solid	5035	
890-1666-103	EX-4E	Total/NA	Solid	5035	
890-1666-104	EX-4F	Total/NA	Solid	5035	
890-1666-105	EX-4G	Total/NA	Solid	5035	
890-1666-106	EX-4H	Total/NA	Solid	5035	
890-1666-107	EX-4I	Total/NA	Solid	5035	
890-1666-108	EX-4J	Total/NA	Solid	5035	
890-1666-109	EX-4 W1	Total/NA	Solid	5035	
890-1666-110	EX-4 W2	Total/NA	Solid	5035	
890-1666-111	EX-4 W3	Total/NA	Solid	5035	
890-1666-112	EX-4 W4	Total/NA	Solid	5035	
890-1666-113	EX-5A	Total/NA	Solid	5035	
890-1666-114	EX-5B	Total/NA	Solid	5035	
890-1666-115	EX-5C	Total/NA	Solid	5035	
890-1666-116	EX-5D	Total/NA	Solid	5035	
890-1666-117	EX-5E	Total/NA	Solid	5035	
890-1666-118	EX-5F	Total/NA	Solid	5035	
890-1666-119	EX-5G	Total/NA	Solid	5035	
890-1666-120	EX-5H	Total/NA	Solid	5035	
MB 880-13846/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-13846/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-13846/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1666-101 MS	EX-4C	Total/NA	Solid	5035	
890-1666-101 MSD	EX-4C	Total/NA	Solid	5035	

Prep Batch: 13847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-121	EX-5I	Total/NA	Solid	5035	
890-1666-122	EX-5J	Total/NA	Solid	5035	
890-1666-123	EX-5K	Total/NA	Solid	5035	
890-1666-124	EX-5L	Total/NA	Solid	5035	
890-1666-125	EX-5 W1	Total/NA	Solid	5035	
890-1666-126	EX-5 W2	Total/NA	Solid	5035	
890-1666-127	EX-5 W3	Total/NA	Solid	5035	
890-1666-128	EX-5 W4	Total/NA	Solid	5035	
890-1666-129	EX-5 W5	Total/NA	Solid	5035	
890-1666-130	SS-1	Total/NA	Solid	5035	
MB 880-13847/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-13847/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-13847/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1666-121 MS	EX-5I	Total/NA	Solid	5035	
890-1666-121 MSD	EX-5I	Total/NA	Solid	5035	

Analysis Batch: 13920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-121	EX-5I	Total/NA	Solid	8021B	13847
890-1666-122	EX-5J	Total/NA	Solid	8021B	13847
890-1666-123	EX-5K	Total/NA	Solid	8021B	13847
890-1666-124	EX-5L	Total/NA	Solid	8021B	13847
890-1666-125	EX-5 W1	Total/NA	Solid	8021B	13847
890-1666-126	EX-5 W2	Total/NA	Solid	8021B	13847

Eurofins Xenco, Carlsbad

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

GC VOA (Continued)

Analysis Batch: 13920 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-127	EX-5 W3	Total/NA	Solid	8021B	13847
890-1666-128	EX-5 W4	Total/NA	Solid	8021B	13847
890-1666-129	EX-5 W5	Total/NA	Solid	8021B	13847
890-1666-130	SS-1	Total/NA	Solid	8021B	13847
MB 880-13847/5-A	Method Blank	Total/NA	Solid	8021B	13847
MB 880-13920/8	Method Blank	Total/NA	Solid	8021B	
LCS 880-13847/1-A	Lab Control Sample	Total/NA	Solid	8021B	13847
LCSD 880-13847/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	13847
890-1666-121 MS	EX-5I	Total/NA	Solid	8021B	13847
890-1666-121 MSD	EX-5I	Total/NA	Solid	8021B	13847

Analysis Batch: 13932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-81	EX-3R	Total/NA	Solid	8021B	13841
890-1666-82	EX-3S	Total/NA	Solid	8021B	13841
890-1666-83	EX-3T	Total/NA	Solid	8021B	13841
890-1666-84	EX-3U	Total/NA	Solid	8021B	13841
890-1666-85	EX-3V	Total/NA	Solid	8021B	13841
890-1666-86	EX-3W	Total/NA	Solid	8021B	13841
890-1666-87	EX-3X	Total/NA	Solid	8021B	13841
890-1666-88	EX-3Y	Total/NA	Solid	8021B	13841
890-1666-89	EX-3Z	Total/NA	Solid	8021B	13841
890-1666-90	EX-3 W1	Total/NA	Solid	8021B	13841
890-1666-91	EX-3 W2	Total/NA	Solid	8021B	13841
890-1666-92	EX-3 W3	Total/NA	Solid	8021B	13841
890-1666-93	EX-3 W4	Total/NA	Solid	8021B	13841
890-1666-94	EX-3 W5	Total/NA	Solid	8021B	13841
890-1666-95	EX-3 W6	Total/NA	Solid	8021B	13841
890-1666-96	EX-3 W7	Total/NA	Solid	8021B	13841
890-1666-97	EX-3 AA	Total/NA	Solid	8021B	13841
890-1666-98	EX-3BB	Total/NA	Solid	8021B	13841
890-1666-99	EX-4A	Total/NA	Solid	8021B	13841
890-1666-100	EX-4B	Total/NA	Solid	8021B	13841
890-1666-101	EX-4C	Total/NA	Solid	8021B	13846
890-1666-102	EX-4D	Total/NA	Solid	8021B	13846
890-1666-103	EX-4E	Total/NA	Solid	8021B	13846
890-1666-104	EX-4F	Total/NA	Solid	8021B	13846
890-1666-105	EX-4G	Total/NA	Solid	8021B	13846
890-1666-106	EX-4H	Total/NA	Solid	8021B	13846
890-1666-107	EX-4I	Total/NA	Solid	8021B	13846
890-1666-108	EX-4J	Total/NA	Solid	8021B	13846
890-1666-109	EX-4 W1	Total/NA	Solid	8021B	13846
890-1666-110	EX-4 W2	Total/NA	Solid	8021B	13846
890-1666-111	EX-4 W3	Total/NA	Solid	8021B	13846
890-1666-112	EX-4 W4	Total/NA	Solid	8021B	13846
890-1666-113	EX-5A	Total/NA	Solid	8021B	13846
890-1666-114	EX-5B	Total/NA	Solid	8021B	13846
890-1666-115	EX-5C	Total/NA	Solid	8021B	13846
890-1666-116	EX-5D	Total/NA	Solid	8021B	13846
890-1666-117	EX-5E	Total/NA	Solid	8021B	13846
890-1666-118	EX-5F	Total/NA	Solid	8021B	13846

Eurofins Xenco, Carlsbad

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

GC VOA (Continued)

Analysis Batch: 13932 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-119	EX-5G	Total/NA	Solid	8021B	13846
890-1666-120	EX-5H	Total/NA	Solid	8021B	13846
MB 880-13841/5-A	Method Blank	Total/NA	Solid	8021B	13841
MB 880-13846/5-A	Method Blank	Total/NA	Solid	8021B	13846
LCS 880-13841/1-A	Lab Control Sample	Total/NA	Solid	8021B	13841
LCS 880-13846/1-A	Lab Control Sample	Total/NA	Solid	8021B	13846
LCSD 880-13841/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	13841
LCSD 880-13846/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	13846
890-1666-81 MS	EX-3R	Total/NA	Solid	8021B	13841
890-1666-81 MSD	EX-3R	Total/NA	Solid	8021B	13841
890-1666-101 MS	EX-4C	Total/NA	Solid	8021B	13846
890-1666-101 MSD	EX-4C	Total/NA	Solid	8021B	13846

Analysis Batch: 14295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-1	EX-1A	Total/NA	Solid	Total BTEX	
890-1666-2	EX-1B	Total/NA	Solid	Total BTEX	
890-1666-3	EX-1C	Total/NA	Solid	Total BTEX	
890-1666-4	EX-1D	Total/NA	Solid	Total BTEX	
890-1666-5	EX-1E	Total/NA	Solid	Total BTEX	
890-1666-6	EX-1F	Total/NA	Solid	Total BTEX	
890-1666-7	EX-1G	Total/NA	Solid	Total BTEX	
890-1666-8	EX-1H	Total/NA	Solid	Total BTEX	
890-1666-9	EX-1I	Total/NA	Solid	Total BTEX	
890-1666-10	EX-1J	Total/NA	Solid	Total BTEX	
890-1666-11	EX-1K	Total/NA	Solid	Total BTEX	
890-1666-12	EX-1L	Total/NA	Solid	Total BTEX	
890-1666-13	EX-1M	Total/NA	Solid	Total BTEX	
890-1666-14	EX-1N	Total/NA	Solid	Total BTEX	
890-1666-15	EX-1O	Total/NA	Solid	Total BTEX	
890-1666-16	EX-1P	Total/NA	Solid	Total BTEX	
890-1666-17	EX-1Q	Total/NA	Solid	Total BTEX	
890-1666-18	EX-1R	Total/NA	Solid	Total BTEX	
890-1666-19	EX-1S	Total/NA	Solid	Total BTEX	
890-1666-20	EX-1T	Total/NA	Solid	Total BTEX	
890-1666-21	EX-1U	Total/NA	Solid	Total BTEX	
890-1666-22	EX-1V	Total/NA	Solid	Total BTEX	
890-1666-23	EX-1W	Total/NA	Solid	Total BTEX	
890-1666-24	EX-1X	Total/NA	Solid	Total BTEX	
890-1666-25	EX-1Y	Total/NA	Solid	Total BTEX	
890-1666-26	EX-1Z	Total/NA	Solid	Total BTEX	
890-1666-27	EX-1AA	Total/NA	Solid	Total BTEX	
890-1666-28	EX-1BB	Total/NA	Solid	Total BTEX	
890-1666-29	EX-1CC	Total/NA	Solid	Total BTEX	
890-1666-30	EX-1DD	Total/NA	Solid	Total BTEX	

Analysis Batch: 14350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-31	EX-1 W1	Total/NA	Solid	Total BTEX	
890-1666-32	EX-1 W2	Total/NA	Solid	Total BTEX	
890-1666-33	EX-1 W3	Total/NA	Solid	Total BTEX	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

GC VOA (Continued)

Analysis Batch: 14350 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-34	EX-1 W4	Total/NA	Solid	Total BTEX	
890-1666-35	EX-1 W5	Total/NA	Solid	Total BTEX	
890-1666-36	EX-1 W6	Total/NA	Solid	Total BTEX	
890-1666-37	EX-1 W7	Total/NA	Solid	Total BTEX	
890-1666-38	EX-2A	Total/NA	Solid	Total BTEX	
890-1666-39	EX-2B	Total/NA	Solid	Total BTEX	
890-1666-40	EX-2C	Total/NA	Solid	Total BTEX	
890-1666-41	EX-2D	Total/NA	Solid	Total BTEX	
890-1666-42	EX-2E	Total/NA	Solid	Total BTEX	
890-1666-43	EX-2F	Total/NA	Solid	Total BTEX	
890-1666-44	EX-2G	Total/NA	Solid	Total BTEX	
890-1666-45	EX-2H	Total/NA	Solid	Total BTEX	
890-1666-46	EX-2I	Total/NA	Solid	Total BTEX	
890-1666-47	EX-2J	Total/NA	Solid	Total BTEX	
890-1666-48	EX-2K	Total/NA	Solid	Total BTEX	
890-1666-49	EX-2L	Total/NA	Solid	Total BTEX	
890-1666-50	EX-2M	Total/NA	Solid	Total BTEX	
890-1666-51	EX-2N	Total/NA	Solid	Total BTEX	
890-1666-52	EX-2O	Total/NA	Solid	Total BTEX	
890-1666-53	EX-2P	Total/NA	Solid	Total BTEX	
890-1666-54	EX-2Q	Total/NA	Solid	Total BTEX	
890-1666-55	EX-2R	Total/NA	Solid	Total BTEX	
890-1666-56	EX-2S	Total/NA	Solid	Total BTEX	
890-1666-57	EX-2T	Total/NA	Solid	Total BTEX	
890-1666-58	EX-2U	Total/NA	Solid	Total BTEX	
890-1666-59	EX-2 W1	Total/NA	Solid	Total BTEX	
890-1666-60	EX-2 W2	Total/NA	Solid	Total BTEX	
890-1666-61	EX-2 W3	Total/NA	Solid	Total BTEX	
890-1666-62	EX-2 W4	Total/NA	Solid	Total BTEX	
890-1666-63	EX-2 W5	Total/NA	Solid	Total BTEX	
890-1666-64	EX-3A	Total/NA	Solid	Total BTEX	
890-1666-65	EX-3B	Total/NA	Solid	Total BTEX	
890-1666-66	EX-3C	Total/NA	Solid	Total BTEX	
890-1666-67	EX-3D	Total/NA	Solid	Total BTEX	
890-1666-68	EX-3E	Total/NA	Solid	Total BTEX	
890-1666-69	EX-3F	Total/NA	Solid	Total BTEX	
890-1666-70	EX-3G	Total/NA	Solid	Total BTEX	
890-1666-71	EX-3H	Total/NA	Solid	Total BTEX	
890-1666-72	EX-3I	Total/NA	Solid	Total BTEX	
890-1666-73	EX-3J	Total/NA	Solid	Total BTEX	
890-1666-74	EX-3K	Total/NA	Solid	Total BTEX	
890-1666-75	EX-3L	Total/NA	Solid	Total BTEX	
890-1666-76	EX-3M	Total/NA	Solid	Total BTEX	
890-1666-77	EX-3N	Total/NA	Solid	Total BTEX	
890-1666-78	EX-3O	Total/NA	Solid	Total BTEX	
890-1666-79	EX-3P	Total/NA	Solid	Total BTEX	
890-1666-80	EX-3Q	Total/NA	Solid	Total BTEX	
890-1666-81	EX-3R	Total/NA	Solid	Total BTEX	
890-1666-82	EX-3S	Total/NA	Solid	Total BTEX	
890-1666-83	EX-3T	Total/NA	Solid	Total BTEX	
890-1666-84	EX-3U	Total/NA	Solid	Total BTEX	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

GC VOA (Continued)

Analysis Batch: 14350 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-85	EX-3V	Total/NA	Solid	Total BTEX	
890-1666-86	EX-3W	Total/NA	Solid	Total BTEX	
890-1666-87	EX-3X	Total/NA	Solid	Total BTEX	
890-1666-88	EX-3Y	Total/NA	Solid	Total BTEX	
890-1666-89	EX-3Z	Total/NA	Solid	Total BTEX	
890-1666-90	EX-3 W1	Total/NA	Solid	Total BTEX	
890-1666-91	EX-3 W2	Total/NA	Solid	Total BTEX	
890-1666-92	EX-3 W3	Total/NA	Solid	Total BTEX	
890-1666-93	EX-3 W4	Total/NA	Solid	Total BTEX	
890-1666-94	EX-3 W5	Total/NA	Solid	Total BTEX	
890-1666-95	EX-3 W6	Total/NA	Solid	Total BTEX	
890-1666-96	EX-3 W7	Total/NA	Solid	Total BTEX	
890-1666-97	EX-3 AA	Total/NA	Solid	Total BTEX	
890-1666-98	EX-3BB	Total/NA	Solid	Total BTEX	
890-1666-99	EX-4A	Total/NA	Solid	Total BTEX	
890-1666-100	EX-4B	Total/NA	Solid	Total BTEX	
890-1666-101	EX-4C	Total/NA	Solid	Total BTEX	
890-1666-102	EX-4D	Total/NA	Solid	Total BTEX	
890-1666-103	EX-4E	Total/NA	Solid	Total BTEX	
890-1666-104	EX-4F	Total/NA	Solid	Total BTEX	
890-1666-105	EX-4G	Total/NA	Solid	Total BTEX	
890-1666-106	EX-4H	Total/NA	Solid	Total BTEX	
890-1666-107	EX-4I	Total/NA	Solid	Total BTEX	
890-1666-108	EX-4J	Total/NA	Solid	Total BTEX	
890-1666-109	EX-4 W1	Total/NA	Solid	Total BTEX	
890-1666-110	EX-4 W2	Total/NA	Solid	Total BTEX	
890-1666-111	EX-4 W3	Total/NA	Solid	Total BTEX	
890-1666-112	EX-4 W4	Total/NA	Solid	Total BTEX	
890-1666-113	EX-5A	Total/NA	Solid	Total BTEX	
890-1666-114	EX-5B	Total/NA	Solid	Total BTEX	
890-1666-115	EX-5C	Total/NA	Solid	Total BTEX	
890-1666-116	EX-5D	Total/NA	Solid	Total BTEX	
890-1666-117	EX-5E	Total/NA	Solid	Total BTEX	
890-1666-118	EX-5F	Total/NA	Solid	Total BTEX	
890-1666-119	EX-5G	Total/NA	Solid	Total BTEX	
890-1666-120	EX-5H	Total/NA	Solid	Total BTEX	
890-1666-121	EX-5I	Total/NA	Solid	Total BTEX	
890-1666-122	EX-5J	Total/NA	Solid	Total BTEX	
890-1666-123	EX-5K	Total/NA	Solid	Total BTEX	
890-1666-124	EX-5L	Total/NA	Solid	Total BTEX	
890-1666-125	EX-5 W1	Total/NA	Solid	Total BTEX	
890-1666-126	EX-5 W2	Total/NA	Solid	Total BTEX	
890-1666-127	EX-5 W3	Total/NA	Solid	Total BTEX	
890-1666-128	EX-5 W4	Total/NA	Solid	Total BTEX	
890-1666-129	EX-5 W5	Total/NA	Solid	Total BTEX	
890-1666-130	SS-1	Total/NA	Solid	Total BTEX	
890-1666-131	SS-2	Total/NA	Solid	Total BTEX	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

GC Semi VOA

Analysis Batch: 13935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-130	SS-1	Total/NA	Solid	8015B NM	13950
890-1666-131	SS-2	Total/NA	Solid	8015B NM	13950
MB 880-13950/1-A	Method Blank	Total/NA	Solid	8015B NM	13950
LCS 880-13950/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	13950
LCSD 880-13950/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	13950
880-8922-A-12-C MS	Matrix Spike	Total/NA	Solid	8015B NM	13950
880-8922-A-12-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	13950

Analysis Batch: 13939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-1	EX-1A	Total/NA	Solid	8015B NM	13945
890-1666-2	EX-1B	Total/NA	Solid	8015B NM	13945
890-1666-3	EX-1C	Total/NA	Solid	8015B NM	13945
890-1666-4	EX-1D	Total/NA	Solid	8015B NM	13945
890-1666-5	EX-1E	Total/NA	Solid	8015B NM	13945
890-1666-6	EX-1F	Total/NA	Solid	8015B NM	13945
890-1666-7	EX-1G	Total/NA	Solid	8015B NM	13945
890-1666-8	EX-1H	Total/NA	Solid	8015B NM	13945
890-1666-9	EX-1I	Total/NA	Solid	8015B NM	13945
890-1666-10	EX-1J	Total/NA	Solid	8015B NM	13945
890-1666-11	EX-1K	Total/NA	Solid	8015B NM	13945
890-1666-12	EX-1L	Total/NA	Solid	8015B NM	13945
890-1666-13	EX-1M	Total/NA	Solid	8015B NM	13945
890-1666-14	EX-1N	Total/NA	Solid	8015B NM	13945
890-1666-15	EX-1O	Total/NA	Solid	8015B NM	13945
890-1666-16	EX-1P	Total/NA	Solid	8015B NM	13945
890-1666-17	EX-1Q	Total/NA	Solid	8015B NM	13945
890-1666-18	EX-1R	Total/NA	Solid	8015B NM	13945
890-1666-19	EX-1S	Total/NA	Solid	8015B NM	13945
890-1666-20	EX-1T	Total/NA	Solid	8015B NM	13945
MB 880-13945/1-A	Method Blank	Total/NA	Solid	8015B NM	13945
LCS 880-13945/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	13945
LCSD 880-13945/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	13945
890-1666-1 MS	EX-1A	Total/NA	Solid	8015B NM	13945
890-1666-1 MSD	EX-1A	Total/NA	Solid	8015B NM	13945

Analysis Batch: 13941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-21	EX-1U	Total/NA	Solid	8015B NM	13946
890-1666-22	EX-1V	Total/NA	Solid	8015B NM	13946
890-1666-23	EX-1W	Total/NA	Solid	8015B NM	13946
890-1666-24	EX-1X	Total/NA	Solid	8015B NM	13946
890-1666-25	EX-1Y	Total/NA	Solid	8015B NM	13946
890-1666-26	EX-1Z	Total/NA	Solid	8015B NM	13946
890-1666-27	EX-1AA	Total/NA	Solid	8015B NM	13946
890-1666-28	EX-1BB	Total/NA	Solid	8015B NM	13946
890-1666-29	EX-1CC	Total/NA	Solid	8015B NM	13946
890-1666-30	EX-1DD	Total/NA	Solid	8015B NM	13946
890-1666-31	EX-1 W1	Total/NA	Solid	8015B NM	13946
890-1666-32	EX-1 W2	Total/NA	Solid	8015B NM	13946
890-1666-33	EX-1 W3	Total/NA	Solid	8015B NM	13946

Eurofins Xenco, Carlsbad

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

GC Semi VOA (Continued)

Analysis Batch: 13941 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-34	EX-1 W4	Total/NA	Solid	8015B NM	13946
890-1666-35	EX-1 W5	Total/NA	Solid	8015B NM	13946
890-1666-36	EX-1 W6	Total/NA	Solid	8015B NM	13946
890-1666-37	EX-1 W7	Total/NA	Solid	8015B NM	13946
890-1666-38	EX-2A	Total/NA	Solid	8015B NM	13946
890-1666-39	EX-2B	Total/NA	Solid	8015B NM	13946
890-1666-40	EX-2C	Total/NA	Solid	8015B NM	13946
MB 880-13946/1-A	Method Blank	Total/NA	Solid	8015B NM	13946
LCS 880-13946/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	13946
LCSD 880-13946/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	13946
890-1666-21 MS	EX-1U	Total/NA	Solid	8015B NM	13946
890-1666-21 MSD	EX-1U	Total/NA	Solid	8015B NM	13946

Prep Batch: 13945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-1	EX-1A	Total/NA	Solid	8015NM Prep	
890-1666-2	EX-1B	Total/NA	Solid	8015NM Prep	
890-1666-3	EX-1C	Total/NA	Solid	8015NM Prep	
890-1666-4	EX-1D	Total/NA	Solid	8015NM Prep	
890-1666-5	EX-1E	Total/NA	Solid	8015NM Prep	
890-1666-6	EX-1F	Total/NA	Solid	8015NM Prep	
890-1666-7	EX-1G	Total/NA	Solid	8015NM Prep	
890-1666-8	EX-1H	Total/NA	Solid	8015NM Prep	
890-1666-9	EX-1I	Total/NA	Solid	8015NM Prep	
890-1666-10	EX-1J	Total/NA	Solid	8015NM Prep	
890-1666-11	EX-1K	Total/NA	Solid	8015NM Prep	
890-1666-12	EX-1L	Total/NA	Solid	8015NM Prep	
890-1666-13	EX-1M	Total/NA	Solid	8015NM Prep	
890-1666-14	EX-1N	Total/NA	Solid	8015NM Prep	
890-1666-15	EX-1O	Total/NA	Solid	8015NM Prep	
890-1666-16	EX-1P	Total/NA	Solid	8015NM Prep	
890-1666-17	EX-1Q	Total/NA	Solid	8015NM Prep	
890-1666-18	EX-1R	Total/NA	Solid	8015NM Prep	
890-1666-19	EX-1S	Total/NA	Solid	8015NM Prep	
890-1666-20	EX-1T	Total/NA	Solid	8015NM Prep	
MB 880-13945/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-13945/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-13945/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1666-1 MS	EX-1A	Total/NA	Solid	8015NM Prep	
890-1666-1 MSD	EX-1A	Total/NA	Solid	8015NM Prep	

Prep Batch: 13946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-21	EX-1U	Total/NA	Solid	8015NM Prep	
890-1666-22	EX-1V	Total/NA	Solid	8015NM Prep	
890-1666-23	EX-1W	Total/NA	Solid	8015NM Prep	
890-1666-24	EX-1X	Total/NA	Solid	8015NM Prep	
890-1666-25	EX-1Y	Total/NA	Solid	8015NM Prep	
890-1666-26	EX-1Z	Total/NA	Solid	8015NM Prep	
890-1666-27	EX-1AA	Total/NA	Solid	8015NM Prep	
890-1666-28	EX-1BB	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

GC Semi VOA (Continued)

Prep Batch: 13946 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-29	EX-1CC	Total/NA	Solid	8015NM Prep	
890-1666-30	EX-1DD	Total/NA	Solid	8015NM Prep	
890-1666-31	EX-1 W1	Total/NA	Solid	8015NM Prep	
890-1666-32	EX-1 W2	Total/NA	Solid	8015NM Prep	
890-1666-33	EX-1 W3	Total/NA	Solid	8015NM Prep	
890-1666-34	EX-1 W4	Total/NA	Solid	8015NM Prep	
890-1666-35	EX-1 W5	Total/NA	Solid	8015NM Prep	
890-1666-36	EX-1 W6	Total/NA	Solid	8015NM Prep	
890-1666-37	EX-1 W7	Total/NA	Solid	8015NM Prep	
890-1666-38	EX-2A	Total/NA	Solid	8015NM Prep	
890-1666-39	EX-2B	Total/NA	Solid	8015NM Prep	
890-1666-40	EX-2C	Total/NA	Solid	8015NM Prep	
MB 880-13946/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-13946/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-13946/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1666-21 MS	EX-1U	Total/NA	Solid	8015NM Prep	
890-1666-21 MSD	EX-1U	Total/NA	Solid	8015NM Prep	

Prep Batch: 13950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-130	SS-1	Total/NA	Solid	8015NM Prep	
890-1666-131	SS-2	Total/NA	Solid	8015NM Prep	
MB 880-13950/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-13950/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-13950/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-8922-A-12-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-8922-A-12-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 14087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-41	EX-2D	Total/NA	Solid	8015NM Prep	
890-1666-42	EX-2E	Total/NA	Solid	8015NM Prep	
890-1666-43	EX-2F	Total/NA	Solid	8015NM Prep	
890-1666-44	EX-2G	Total/NA	Solid	8015NM Prep	
890-1666-45	EX-2H	Total/NA	Solid	8015NM Prep	
890-1666-46	EX-2I	Total/NA	Solid	8015NM Prep	
890-1666-47	EX-2J	Total/NA	Solid	8015NM Prep	
890-1666-48	EX-2K	Total/NA	Solid	8015NM Prep	
890-1666-49	EX-2L	Total/NA	Solid	8015NM Prep	
890-1666-50	EX-2M	Total/NA	Solid	8015NM Prep	
890-1666-51	EX-2N	Total/NA	Solid	8015NM Prep	
890-1666-52	EX-2O	Total/NA	Solid	8015NM Prep	
890-1666-53	EX-2P	Total/NA	Solid	8015NM Prep	
890-1666-54	EX-2Q	Total/NA	Solid	8015NM Prep	
890-1666-55	EX-2R	Total/NA	Solid	8015NM Prep	
890-1666-56	EX-2S	Total/NA	Solid	8015NM Prep	
890-1666-57	EX-2T	Total/NA	Solid	8015NM Prep	
890-1666-58	EX-2U	Total/NA	Solid	8015NM Prep	
890-1666-59	EX-2 W1	Total/NA	Solid	8015NM Prep	
890-1666-60	EX-2 W2	Total/NA	Solid	8015NM Prep	
MB 880-14087/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

GC Semi VOA (Continued)

Prep Batch: 14087 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-14087/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-14087/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1666-41 MS	EX-2D	Total/NA	Solid	8015NM Prep	
890-1666-41 MSD	EX-2D	Total/NA	Solid	8015NM Prep	

Prep Batch: 14088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-61	EX-2 W3	Total/NA	Solid	8015NM Prep	
890-1666-62	EX-2 W4	Total/NA	Solid	8015NM Prep	
890-1666-63	EX-2 W5	Total/NA	Solid	8015NM Prep	
890-1666-64	EX-3A	Total/NA	Solid	8015NM Prep	
890-1666-65	EX-3B	Total/NA	Solid	8015NM Prep	
890-1666-66	EX-3C	Total/NA	Solid	8015NM Prep	
890-1666-67	EX-3D	Total/NA	Solid	8015NM Prep	
890-1666-68	EX-3E	Total/NA	Solid	8015NM Prep	
890-1666-69	EX-3F	Total/NA	Solid	8015NM Prep	
890-1666-70	EX-3G	Total/NA	Solid	8015NM Prep	
890-1666-71	EX-3H	Total/NA	Solid	8015NM Prep	
890-1666-72	EX-3I	Total/NA	Solid	8015NM Prep	
890-1666-73	EX-3J	Total/NA	Solid	8015NM Prep	
890-1666-74	EX-3K	Total/NA	Solid	8015NM Prep	
890-1666-75	EX-3L	Total/NA	Solid	8015NM Prep	
890-1666-76	EX-3M	Total/NA	Solid	8015NM Prep	
890-1666-77	EX-3N	Total/NA	Solid	8015NM Prep	
890-1666-78	EX-3O	Total/NA	Solid	8015NM Prep	
890-1666-79	EX-3P	Total/NA	Solid	8015NM Prep	
890-1666-80	EX-3Q	Total/NA	Solid	8015NM Prep	
MB 880-14088/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-14088/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-14088/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1666-61 MS	EX-2 W3	Total/NA	Solid	8015NM Prep	
890-1666-61 MSD	EX-2 W3	Total/NA	Solid	8015NM Prep	

Prep Batch: 14093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-81	EX-3R	Total/NA	Solid	8015NM Prep	
890-1666-82	EX-3S	Total/NA	Solid	8015NM Prep	
890-1666-83	EX-3T	Total/NA	Solid	8015NM Prep	
890-1666-84	EX-3U	Total/NA	Solid	8015NM Prep	
890-1666-85	EX-3V	Total/NA	Solid	8015NM Prep	
890-1666-86	EX-3W	Total/NA	Solid	8015NM Prep	
890-1666-87	EX-3X	Total/NA	Solid	8015NM Prep	
890-1666-88	EX-3Y	Total/NA	Solid	8015NM Prep	
890-1666-89	EX-3Z	Total/NA	Solid	8015NM Prep	
890-1666-90	EX-3 W1	Total/NA	Solid	8015NM Prep	
890-1666-91	EX-3 W2	Total/NA	Solid	8015NM Prep	
890-1666-92	EX-3 W3	Total/NA	Solid	8015NM Prep	
890-1666-93	EX-3 W4	Total/NA	Solid	8015NM Prep	
890-1666-94	EX-3 W5	Total/NA	Solid	8015NM Prep	
890-1666-95	EX-3 W6	Total/NA	Solid	8015NM Prep	
890-1666-96	EX-3 W7	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

GC Semi VOA (Continued)

Prep Batch: 14093 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-97	EX-3 AA	Total/NA	Solid	8015NM Prep	
890-1666-98	EX-3BB	Total/NA	Solid	8015NM Prep	
890-1666-99	EX-4A	Total/NA	Solid	8015NM Prep	
890-1666-100	EX-4B	Total/NA	Solid	8015NM Prep	
MB 880-14093/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-14093/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-14093/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1666-81 MS	EX-3R	Total/NA	Solid	8015NM Prep	
890-1666-81 MSD	EX-3R	Total/NA	Solid	8015NM Prep	

Prep Batch: 14096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-101	EX-4C	Total/NA	Solid	8015NM Prep	
890-1666-102	EX-4D	Total/NA	Solid	8015NM Prep	
890-1666-103	EX-4E	Total/NA	Solid	8015NM Prep	
890-1666-104	EX-4F	Total/NA	Solid	8015NM Prep	
890-1666-105	EX-4G	Total/NA	Solid	8015NM Prep	
890-1666-106	EX-4H	Total/NA	Solid	8015NM Prep	
890-1666-107	EX-4I	Total/NA	Solid	8015NM Prep	
890-1666-108	EX-4J	Total/NA	Solid	8015NM Prep	
890-1666-109	EX-4 W1	Total/NA	Solid	8015NM Prep	
890-1666-110	EX-4 W2	Total/NA	Solid	8015NM Prep	
890-1666-111	EX-4 W3	Total/NA	Solid	8015NM Prep	
890-1666-112	EX-4 W4	Total/NA	Solid	8015NM Prep	
890-1666-113	EX-5A	Total/NA	Solid	8015NM Prep	
890-1666-114	EX-5B	Total/NA	Solid	8015NM Prep	
890-1666-115	EX-5C	Total/NA	Solid	8015NM Prep	
890-1666-116	EX-5D	Total/NA	Solid	8015NM Prep	
890-1666-117	EX-5E	Total/NA	Solid	8015NM Prep	
890-1666-118	EX-5F	Total/NA	Solid	8015NM Prep	
890-1666-119	EX-5G	Total/NA	Solid	8015NM Prep	
890-1666-120	EX-5H	Total/NA	Solid	8015NM Prep	
MB 880-14096/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-14096/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-14096/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1666-101 MS	EX-4C	Total/NA	Solid	8015NM Prep	
890-1666-101 MSD	EX-4C	Total/NA	Solid	8015NM Prep	

Analysis Batch: 14171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-41	EX-2D	Total/NA	Solid	8015B NM	14087
890-1666-42	EX-2E	Total/NA	Solid	8015B NM	14087
890-1666-43	EX-2F	Total/NA	Solid	8015B NM	14087
890-1666-44	EX-2G	Total/NA	Solid	8015B NM	14087
890-1666-45	EX-2H	Total/NA	Solid	8015B NM	14087
890-1666-46	EX-2I	Total/NA	Solid	8015B NM	14087
890-1666-47	EX-2J	Total/NA	Solid	8015B NM	14087
890-1666-48	EX-2K	Total/NA	Solid	8015B NM	14087
890-1666-49	EX-2L	Total/NA	Solid	8015B NM	14087
890-1666-50	EX-2M	Total/NA	Solid	8015B NM	14087
890-1666-51	EX-2N	Total/NA	Solid	8015B NM	14087

Eurofins Xenco, Carlsbad

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

GC Semi VOA (Continued)

Analysis Batch: 14171 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-52	EX-2O	Total/NA	Solid	8015B NM	14087
890-1666-53	EX-2P	Total/NA	Solid	8015B NM	14087
890-1666-54	EX-2Q	Total/NA	Solid	8015B NM	14087
890-1666-55	EX-2R	Total/NA	Solid	8015B NM	14087
890-1666-56	EX-2S	Total/NA	Solid	8015B NM	14087
890-1666-57	EX-2T	Total/NA	Solid	8015B NM	14087
890-1666-58	EX-2U	Total/NA	Solid	8015B NM	14087
890-1666-59	EX-2 W1	Total/NA	Solid	8015B NM	14087
890-1666-60	EX-2 W2	Total/NA	Solid	8015B NM	14087
MB 880-14087/1-A	Method Blank	Total/NA	Solid	8015B NM	14087
LCS 880-14087/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	14087
LCSD 880-14087/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	14087
890-1666-41 MS	EX-2D	Total/NA	Solid	8015B NM	14087
890-1666-41 MSD	EX-2D	Total/NA	Solid	8015B NM	14087

Analysis Batch: 14173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-61	EX-2 W3	Total/NA	Solid	8015B NM	14088
890-1666-62	EX-2 W4	Total/NA	Solid	8015B NM	14088
890-1666-63	EX-2 W5	Total/NA	Solid	8015B NM	14088
890-1666-64	EX-3A	Total/NA	Solid	8015B NM	14088
890-1666-65	EX-3B	Total/NA	Solid	8015B NM	14088
890-1666-66	EX-3C	Total/NA	Solid	8015B NM	14088
890-1666-67	EX-3D	Total/NA	Solid	8015B NM	14088
890-1666-68	EX-3E	Total/NA	Solid	8015B NM	14088
890-1666-69	EX-3F	Total/NA	Solid	8015B NM	14088
890-1666-70	EX-3G	Total/NA	Solid	8015B NM	14088
890-1666-71	EX-3H	Total/NA	Solid	8015B NM	14088
890-1666-72	EX-3I	Total/NA	Solid	8015B NM	14088
890-1666-73	EX-3J	Total/NA	Solid	8015B NM	14088
890-1666-74	EX-3K	Total/NA	Solid	8015B NM	14088
890-1666-75	EX-3L	Total/NA	Solid	8015B NM	14088
890-1666-76	EX-3M	Total/NA	Solid	8015B NM	14088
890-1666-77	EX-3N	Total/NA	Solid	8015B NM	14088
890-1666-78	EX-3O	Total/NA	Solid	8015B NM	14088
890-1666-79	EX-3P	Total/NA	Solid	8015B NM	14088
890-1666-80	EX-3Q	Total/NA	Solid	8015B NM	14088
MB 880-14088/1-A	Method Blank	Total/NA	Solid	8015B NM	14088
LCS 880-14088/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	14088
LCSD 880-14088/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	14088
890-1666-61 MS	EX-2 W3	Total/NA	Solid	8015B NM	14088
890-1666-61 MSD	EX-2 W3	Total/NA	Solid	8015B NM	14088

Analysis Batch: 14176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-81	EX-3R	Total/NA	Solid	8015B NM	14093
890-1666-82	EX-3S	Total/NA	Solid	8015B NM	14093
890-1666-83	EX-3T	Total/NA	Solid	8015B NM	14093
890-1666-84	EX-3U	Total/NA	Solid	8015B NM	14093
890-1666-85	EX-3V	Total/NA	Solid	8015B NM	14093
890-1666-86	EX-3W	Total/NA	Solid	8015B NM	14093

Eurofins Xenco, Carlsbad

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

GC Semi VOA (Continued)

Analysis Batch: 14176 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-87	EX-3X	Total/NA	Solid	8015B NM	14093
890-1666-88	EX-3Y	Total/NA	Solid	8015B NM	14093
890-1666-89	EX-3Z	Total/NA	Solid	8015B NM	14093
890-1666-90	EX-3 W1	Total/NA	Solid	8015B NM	14093
890-1666-91	EX-3 W2	Total/NA	Solid	8015B NM	14093
890-1666-92	EX-3 W3	Total/NA	Solid	8015B NM	14093
890-1666-93	EX-3 W4	Total/NA	Solid	8015B NM	14093
890-1666-94	EX-3 W5	Total/NA	Solid	8015B NM	14093
890-1666-95	EX-3 W6	Total/NA	Solid	8015B NM	14093
890-1666-96	EX-3 W7	Total/NA	Solid	8015B NM	14093
890-1666-97	EX-3 AA	Total/NA	Solid	8015B NM	14093
890-1666-98	EX-3BB	Total/NA	Solid	8015B NM	14093
890-1666-99	EX-4A	Total/NA	Solid	8015B NM	14093
890-1666-100	EX-4B	Total/NA	Solid	8015B NM	14093
MB 880-14093/1-A	Method Blank	Total/NA	Solid	8015B NM	14093
LCS 880-14093/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	14093
LCSD 880-14093/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	14093
890-1666-81 MS	EX-3R	Total/NA	Solid	8015B NM	14093
890-1666-81 MSD	EX-3R	Total/NA	Solid	8015B NM	14093

Analysis Batch: 14177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-101	EX-4C	Total/NA	Solid	8015B NM	14096
890-1666-102	EX-4D	Total/NA	Solid	8015B NM	14096
890-1666-103	EX-4E	Total/NA	Solid	8015B NM	14096
890-1666-104	EX-4F	Total/NA	Solid	8015B NM	14096
890-1666-105	EX-4G	Total/NA	Solid	8015B NM	14096
890-1666-106	EX-4H	Total/NA	Solid	8015B NM	14096
890-1666-107	EX-4I	Total/NA	Solid	8015B NM	14096
890-1666-108	EX-4J	Total/NA	Solid	8015B NM	14096
890-1666-109	EX-4 W1	Total/NA	Solid	8015B NM	14096
890-1666-110	EX-4 W2	Total/NA	Solid	8015B NM	14096
890-1666-111	EX-4 W3	Total/NA	Solid	8015B NM	14096
890-1666-112	EX-4 W4	Total/NA	Solid	8015B NM	14096
890-1666-113	EX-5A	Total/NA	Solid	8015B NM	14096
890-1666-114	EX-5B	Total/NA	Solid	8015B NM	14096
890-1666-115	EX-5C	Total/NA	Solid	8015B NM	14096
890-1666-116	EX-5D	Total/NA	Solid	8015B NM	14096
890-1666-117	EX-5E	Total/NA	Solid	8015B NM	14096
890-1666-118	EX-5F	Total/NA	Solid	8015B NM	14096
890-1666-119	EX-5G	Total/NA	Solid	8015B NM	14096
890-1666-120	EX-5H	Total/NA	Solid	8015B NM	14096
890-1666-121	EX-5I	Total/NA	Solid	8015B NM	14199
890-1666-122	EX-5J	Total/NA	Solid	8015B NM	14199
890-1666-123	EX-5K	Total/NA	Solid	8015B NM	14199
890-1666-124	EX-5L	Total/NA	Solid	8015B NM	14199
890-1666-125	EX-5 W1	Total/NA	Solid	8015B NM	14199
890-1666-126	EX-5 W2	Total/NA	Solid	8015B NM	14199
890-1666-127	EX-5 W3	Total/NA	Solid	8015B NM	14199
890-1666-128	EX-5 W4	Total/NA	Solid	8015B NM	14199
890-1666-129	EX-5 W5	Total/NA	Solid	8015B NM	14199

Eurofins Xenco, Carlsbad

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

GC Semi VOA (Continued)

Analysis Batch: 14177 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-14096/1-A	Method Blank	Total/NA	Solid	8015B NM	14096
MB 880-14199/1-A	Method Blank	Total/NA	Solid	8015B NM	14199
LCS 880-14096/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	14096
LCS 880-14199/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	14199
LCSD 880-14096/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	14096
LCSD 880-14199/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	14199
890-1666-101 MS	EX-4C	Total/NA	Solid	8015B NM	14096
890-1666-101 MSD	EX-4C	Total/NA	Solid	8015B NM	14096
890-1666-121 MS	EX-5I	Total/NA	Solid	8015B NM	14199
890-1666-121 MSD	EX-5I	Total/NA	Solid	8015B NM	14199

Prep Batch: 14199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-121	EX-5I	Total/NA	Solid	8015NM Prep	
890-1666-122	EX-5J	Total/NA	Solid	8015NM Prep	
890-1666-123	EX-5K	Total/NA	Solid	8015NM Prep	
890-1666-124	EX-5L	Total/NA	Solid	8015NM Prep	
890-1666-125	EX-5 W1	Total/NA	Solid	8015NM Prep	
890-1666-126	EX-5 W2	Total/NA	Solid	8015NM Prep	
890-1666-127	EX-5 W3	Total/NA	Solid	8015NM Prep	
890-1666-128	EX-5 W4	Total/NA	Solid	8015NM Prep	
890-1666-129	EX-5 W5	Total/NA	Solid	8015NM Prep	
MB 880-14199/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-14199/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-14199/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1666-121 MS	EX-5I	Total/NA	Solid	8015NM Prep	
890-1666-121 MSD	EX-5I	Total/NA	Solid	8015NM Prep	

Analysis Batch: 14296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-1	EX-1A	Total/NA	Solid	8015 NM	
890-1666-2	EX-1B	Total/NA	Solid	8015 NM	
890-1666-3	EX-1C	Total/NA	Solid	8015 NM	
890-1666-4	EX-1D	Total/NA	Solid	8015 NM	
890-1666-5	EX-1E	Total/NA	Solid	8015 NM	
890-1666-6	EX-1F	Total/NA	Solid	8015 NM	
890-1666-7	EX-1G	Total/NA	Solid	8015 NM	
890-1666-8	EX-1H	Total/NA	Solid	8015 NM	
890-1666-9	EX-1I	Total/NA	Solid	8015 NM	
890-1666-10	EX-1J	Total/NA	Solid	8015 NM	
890-1666-11	EX-1K	Total/NA	Solid	8015 NM	
890-1666-12	EX-1L	Total/NA	Solid	8015 NM	
890-1666-13	EX-1M	Total/NA	Solid	8015 NM	
890-1666-14	EX-1N	Total/NA	Solid	8015 NM	
890-1666-15	EX-1O	Total/NA	Solid	8015 NM	
890-1666-16	EX-1P	Total/NA	Solid	8015 NM	
890-1666-17	EX-1Q	Total/NA	Solid	8015 NM	
890-1666-18	EX-1R	Total/NA	Solid	8015 NM	
890-1666-19	EX-1S	Total/NA	Solid	8015 NM	
890-1666-20	EX-1T	Total/NA	Solid	8015 NM	
890-1666-21	EX-1U	Total/NA	Solid	8015 NM	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

GC Semi VOA (Continued)

Analysis Batch: 14296 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-22	EX-1V	Total/NA	Solid	8015 NM	
890-1666-23	EX-1W	Total/NA	Solid	8015 NM	
890-1666-24	EX-1X	Total/NA	Solid	8015 NM	
890-1666-25	EX-1Y	Total/NA	Solid	8015 NM	
890-1666-26	EX-1Z	Total/NA	Solid	8015 NM	
890-1666-27	EX-1AA	Total/NA	Solid	8015 NM	
890-1666-28	EX-1BB	Total/NA	Solid	8015 NM	
890-1666-29	EX-1CC	Total/NA	Solid	8015 NM	
890-1666-30	EX-1DD	Total/NA	Solid	8015 NM	
890-1666-31	EX-1 W1	Total/NA	Solid	8015 NM	
890-1666-32	EX-1 W2	Total/NA	Solid	8015 NM	
890-1666-33	EX-1 W3	Total/NA	Solid	8015 NM	
890-1666-34	EX-1 W4	Total/NA	Solid	8015 NM	
890-1666-35	EX-1 W5	Total/NA	Solid	8015 NM	
890-1666-36	EX-1 W6	Total/NA	Solid	8015 NM	
890-1666-37	EX-1 W7	Total/NA	Solid	8015 NM	
890-1666-38	EX-2A	Total/NA	Solid	8015 NM	
890-1666-39	EX-2B	Total/NA	Solid	8015 NM	
890-1666-40	EX-2C	Total/NA	Solid	8015 NM	

Analysis Batch: 14531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-41	EX-2D	Total/NA	Solid	8015 NM	
890-1666-42	EX-2E	Total/NA	Solid	8015 NM	
890-1666-43	EX-2F	Total/NA	Solid	8015 NM	
890-1666-44	EX-2G	Total/NA	Solid	8015 NM	
890-1666-45	EX-2H	Total/NA	Solid	8015 NM	
890-1666-46	EX-2I	Total/NA	Solid	8015 NM	
890-1666-47	EX-2J	Total/NA	Solid	8015 NM	
890-1666-48	EX-2K	Total/NA	Solid	8015 NM	
890-1666-49	EX-2L	Total/NA	Solid	8015 NM	
890-1666-50	EX-2M	Total/NA	Solid	8015 NM	
890-1666-51	EX-2N	Total/NA	Solid	8015 NM	
890-1666-52	EX-2O	Total/NA	Solid	8015 NM	
890-1666-53	EX-2P	Total/NA	Solid	8015 NM	
890-1666-54	EX-2Q	Total/NA	Solid	8015 NM	
890-1666-55	EX-2R	Total/NA	Solid	8015 NM	
890-1666-56	EX-2S	Total/NA	Solid	8015 NM	
890-1666-57	EX-2T	Total/NA	Solid	8015 NM	
890-1666-58	EX-2U	Total/NA	Solid	8015 NM	
890-1666-59	EX-2 W1	Total/NA	Solid	8015 NM	
890-1666-60	EX-2 W2	Total/NA	Solid	8015 NM	
890-1666-61	EX-2 W3	Total/NA	Solid	8015 NM	
890-1666-62	EX-2 W4	Total/NA	Solid	8015 NM	
890-1666-63	EX-2 W5	Total/NA	Solid	8015 NM	
890-1666-64	EX-3A	Total/NA	Solid	8015 NM	
890-1666-65	EX-3B	Total/NA	Solid	8015 NM	
890-1666-66	EX-3C	Total/NA	Solid	8015 NM	
890-1666-67	EX-3D	Total/NA	Solid	8015 NM	
890-1666-68	EX-3E	Total/NA	Solid	8015 NM	
890-1666-69	EX-3F	Total/NA	Solid	8015 NM	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

GC Semi VOA (Continued)

Analysis Batch: 14531 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-70	EX-3G	Total/NA	Solid	8015 NM	
890-1666-71	EX-3H	Total/NA	Solid	8015 NM	
890-1666-72	EX-3I	Total/NA	Solid	8015 NM	
890-1666-73	EX-3J	Total/NA	Solid	8015 NM	
890-1666-74	EX-3K	Total/NA	Solid	8015 NM	
890-1666-75	EX-3L	Total/NA	Solid	8015 NM	
890-1666-76	EX-3M	Total/NA	Solid	8015 NM	
890-1666-77	EX-3N	Total/NA	Solid	8015 NM	
890-1666-78	EX-3O	Total/NA	Solid	8015 NM	
890-1666-79	EX-3P	Total/NA	Solid	8015 NM	
890-1666-80	EX-3Q	Total/NA	Solid	8015 NM	
890-1666-81	EX-3R	Total/NA	Solid	8015 NM	
890-1666-82	EX-3S	Total/NA	Solid	8015 NM	
890-1666-83	EX-3T	Total/NA	Solid	8015 NM	
890-1666-84	EX-3U	Total/NA	Solid	8015 NM	
890-1666-85	EX-3V	Total/NA	Solid	8015 NM	
890-1666-86	EX-3W	Total/NA	Solid	8015 NM	
890-1666-87	EX-3X	Total/NA	Solid	8015 NM	
890-1666-88	EX-3Y	Total/NA	Solid	8015 NM	
890-1666-89	EX-3Z	Total/NA	Solid	8015 NM	
890-1666-90	EX-3 W1	Total/NA	Solid	8015 NM	
890-1666-91	EX-3 W2	Total/NA	Solid	8015 NM	
890-1666-92	EX-3 W3	Total/NA	Solid	8015 NM	
890-1666-93	EX-3 W4	Total/NA	Solid	8015 NM	
890-1666-94	EX-3 W5	Total/NA	Solid	8015 NM	
890-1666-95	EX-3 W6	Total/NA	Solid	8015 NM	
890-1666-96	EX-3 W7	Total/NA	Solid	8015 NM	
890-1666-97	EX-3 AA	Total/NA	Solid	8015 NM	
890-1666-98	EX-3BB	Total/NA	Solid	8015 NM	
890-1666-99	EX-4A	Total/NA	Solid	8015 NM	
890-1666-100	EX-4B	Total/NA	Solid	8015 NM	
890-1666-101	EX-4C	Total/NA	Solid	8015 NM	
890-1666-102	EX-4D	Total/NA	Solid	8015 NM	
890-1666-103	EX-4E	Total/NA	Solid	8015 NM	
890-1666-104	EX-4F	Total/NA	Solid	8015 NM	
890-1666-105	EX-4G	Total/NA	Solid	8015 NM	
890-1666-106	EX-4H	Total/NA	Solid	8015 NM	
890-1666-107	EX-4I	Total/NA	Solid	8015 NM	
890-1666-108	EX-4J	Total/NA	Solid	8015 NM	
890-1666-109	EX-4 W1	Total/NA	Solid	8015 NM	
890-1666-110	EX-4 W2	Total/NA	Solid	8015 NM	
890-1666-111	EX-4 W3	Total/NA	Solid	8015 NM	
890-1666-112	EX-4 W4	Total/NA	Solid	8015 NM	
890-1666-113	EX-5A	Total/NA	Solid	8015 NM	
890-1666-114	EX-5B	Total/NA	Solid	8015 NM	
890-1666-115	EX-5C	Total/NA	Solid	8015 NM	
890-1666-116	EX-5D	Total/NA	Solid	8015 NM	
890-1666-117	EX-5E	Total/NA	Solid	8015 NM	
890-1666-118	EX-5F	Total/NA	Solid	8015 NM	
890-1666-119	EX-5G	Total/NA	Solid	8015 NM	
890-1666-120	EX-5H	Total/NA	Solid	8015 NM	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

GC Semi VOA (Continued)

Analysis Batch: 14531 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-121	EX-5I	Total/NA	Solid	8015 NM	
890-1666-122	EX-5J	Total/NA	Solid	8015 NM	
890-1666-123	EX-5K	Total/NA	Solid	8015 NM	
890-1666-124	EX-5L	Total/NA	Solid	8015 NM	
890-1666-125	EX-5 W1	Total/NA	Solid	8015 NM	
890-1666-126	EX-5 W2	Total/NA	Solid	8015 NM	
890-1666-127	EX-5 W3	Total/NA	Solid	8015 NM	
890-1666-128	EX-5 W4	Total/NA	Solid	8015 NM	
890-1666-129	EX-5 W5	Total/NA	Solid	8015 NM	
890-1666-130	SS-1	Total/NA	Solid	8015 NM	
890-1666-131	SS-2	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 14190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-61	EX-2 W3	Soluble	Solid	DI Leach	
890-1666-62	EX-2 W4	Soluble	Solid	DI Leach	
890-1666-63	EX-2 W5	Soluble	Solid	DI Leach	
MB 880-14190/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-14190/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-14190/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1665-A-1-G MS	Matrix Spike	Soluble	Solid	DI Leach	
890-1665-A-1-H MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 14191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-84	EX-3U	Soluble	Solid	DI Leach	
890-1666-85	EX-3V	Soluble	Solid	DI Leach	
890-1666-86	EX-3W	Soluble	Solid	DI Leach	
890-1666-87	EX-3X	Soluble	Solid	DI Leach	
890-1666-88	EX-3Y	Soluble	Solid	DI Leach	
890-1666-89	EX-3Z	Soluble	Solid	DI Leach	
890-1666-90	EX-3 W1	Soluble	Solid	DI Leach	
890-1666-91	EX-3 W2	Soluble	Solid	DI Leach	
890-1666-92	EX-3 W3	Soluble	Solid	DI Leach	
890-1666-93	EX-3 W4	Soluble	Solid	DI Leach	
890-1666-94	EX-3 W5	Soluble	Solid	DI Leach	
890-1666-95	EX-3 W6	Soluble	Solid	DI Leach	
890-1666-96	EX-3 W7	Soluble	Solid	DI Leach	
890-1666-97	EX-3 AA	Soluble	Solid	DI Leach	
890-1666-98	EX-3BB	Soluble	Solid	DI Leach	
890-1666-99	EX-4A	Soluble	Solid	DI Leach	
890-1666-100	EX-4B	Soluble	Solid	DI Leach	
890-1666-101	EX-4C	Soluble	Solid	DI Leach	
890-1666-102	EX-4D	Soluble	Solid	DI Leach	
890-1666-103	EX-4E	Soluble	Solid	DI Leach	
MB 880-14191/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-14191/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-14191/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1666-84 MS	EX-3U	Soluble	Solid	DI Leach	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

HPLC/IC (Continued)

Leach Batch: 14191 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-84 MSD	EX-3U	Soluble	Solid	DI Leach	
890-1666-94 MS	EX-3 W5	Soluble	Solid	DI Leach	
890-1666-94 MSD	EX-3 W5	Soluble	Solid	DI Leach	

Leach Batch: 14192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-104	EX-4F	Soluble	Solid	DI Leach	
890-1666-105	EX-4G	Soluble	Solid	DI Leach	
890-1666-106	EX-4H	Soluble	Solid	DI Leach	
890-1666-107	EX-4I	Soluble	Solid	DI Leach	
890-1666-108	EX-4J	Soluble	Solid	DI Leach	
MB 880-14192/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-14192/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-14192/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-8888-A-1-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-8888-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-8898-A-8-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-8898-A-8-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 14193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-1	EX-1A	Soluble	Solid	DI Leach	
890-1666-2	EX-1B	Soluble	Solid	DI Leach	
890-1666-3	EX-1C	Soluble	Solid	DI Leach	
890-1666-4	EX-1D	Soluble	Solid	DI Leach	
890-1666-5	EX-1E	Soluble	Solid	DI Leach	
890-1666-6	EX-1F	Soluble	Solid	DI Leach	
MB 880-14193/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-14193/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-14193/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-8912-A-1-H MS	Matrix Spike	Soluble	Solid	DI Leach	
880-8912-A-1-I MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 14194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-7	EX-1G	Soluble	Solid	DI Leach	
890-1666-8	EX-1H	Soluble	Solid	DI Leach	
890-1666-9	EX-1I	Soluble	Solid	DI Leach	
890-1666-10	EX-1J	Soluble	Solid	DI Leach	
890-1666-11	EX-1K	Soluble	Solid	DI Leach	
890-1666-12	EX-1L	Soluble	Solid	DI Leach	
890-1666-109	EX-4 W1	Soluble	Solid	DI Leach	
890-1666-110	EX-4 W2	Soluble	Solid	DI Leach	
890-1666-111	EX-4 W3	Soluble	Solid	DI Leach	
890-1666-112	EX-4 W4	Soluble	Solid	DI Leach	
890-1666-113	EX-5A	Soluble	Solid	DI Leach	
890-1666-114	EX-5B	Soluble	Solid	DI Leach	
890-1666-115	EX-5C	Soluble	Solid	DI Leach	
890-1666-116	EX-5D	Soluble	Solid	DI Leach	
890-1666-117	EX-5E	Soluble	Solid	DI Leach	
890-1666-118	EX-5F	Soluble	Solid	DI Leach	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

HPLC/IC (Continued)

Leach Batch: 14194 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-119	EX-5G	Soluble	Solid	DI Leach	
890-1666-120	EX-5H	Soluble	Solid	DI Leach	
890-1666-121	EX-5I	Soluble	Solid	DI Leach	
890-1666-122	EX-5J	Soluble	Solid	DI Leach	
MB 880-14194/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-14194/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-14194/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1666-7 MS	EX-1G	Soluble	Solid	DI Leach	
890-1666-7 MSD	EX-1G	Soluble	Solid	DI Leach	
890-1666-113 MS	EX-5A	Soluble	Solid	DI Leach	
890-1666-113 MSD	EX-5A	Soluble	Solid	DI Leach	

Leach Batch: 14195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-13	EX-1M	Soluble	Solid	DI Leach	
890-1666-123	EX-5K	Soluble	Solid	DI Leach	
890-1666-124	EX-5L	Soluble	Solid	DI Leach	
890-1666-125	EX-5 W1	Soluble	Solid	DI Leach	
890-1666-126	EX-5 W2	Soluble	Solid	DI Leach	
890-1666-127	EX-5 W3	Soluble	Solid	DI Leach	
890-1666-128	EX-5 W4	Soluble	Solid	DI Leach	
890-1666-129	EX-5 W5	Soluble	Solid	DI Leach	
890-1666-130	SS-1	Soluble	Solid	DI Leach	
890-1666-131	SS-2	Soluble	Solid	DI Leach	
MB 880-14195/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-14195/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-14195/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1666-13 MS	EX-1M	Soluble	Solid	DI Leach	
890-1666-13 MSD	EX-1M	Soluble	Solid	DI Leach	

Leach Batch: 14196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-14	EX-1N	Soluble	Solid	DI Leach	
890-1666-15	EX-1O	Soluble	Solid	DI Leach	
890-1666-16	EX-1P	Soluble	Solid	DI Leach	
890-1666-17	EX-1Q	Soluble	Solid	DI Leach	
890-1666-18	EX-1R	Soluble	Solid	DI Leach	
890-1666-19	EX-1S	Soluble	Solid	DI Leach	
890-1666-20	EX-1T	Soluble	Solid	DI Leach	
890-1666-21	EX-1U	Soluble	Solid	DI Leach	
890-1666-22	EX-1V	Soluble	Solid	DI Leach	
890-1666-23	EX-1W	Soluble	Solid	DI Leach	
890-1666-24	EX-1X	Soluble	Solid	DI Leach	
890-1666-25	EX-1Y	Soluble	Solid	DI Leach	
890-1666-26	EX-1Z	Soluble	Solid	DI Leach	
890-1666-27	EX-1AA	Soluble	Solid	DI Leach	
890-1666-28	EX-1BB	Soluble	Solid	DI Leach	
890-1666-29	EX-1CC	Soluble	Solid	DI Leach	
890-1666-30	EX-1DD	Soluble	Solid	DI Leach	
890-1666-31	EX-1 W1	Soluble	Solid	DI Leach	
890-1666-32	EX-1 W2	Soluble	Solid	DI Leach	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

HPLC/IC (Continued)

Leach Batch: 14196 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-33	EX-1 W3	Soluble	Solid	DI Leach	
MB 880-14196/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-14196/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-14196/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1666-14 MS	EX-1N	Soluble	Solid	DI Leach	
890-1666-14 MSD	EX-1N	Soluble	Solid	DI Leach	
890-1666-24 MS	EX-1X	Soluble	Solid	DI Leach	
890-1666-24 MSD	EX-1X	Soluble	Solid	DI Leach	

Leach Batch: 14197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-34	EX-1 W4	Soluble	Solid	DI Leach	
890-1666-35	EX-1 W5	Soluble	Solid	DI Leach	
890-1666-36	EX-1 W6	Soluble	Solid	DI Leach	
890-1666-37	EX-1 W7	Soluble	Solid	DI Leach	
890-1666-38	EX-2A	Soluble	Solid	DI Leach	
890-1666-39	EX-2B	Soluble	Solid	DI Leach	
890-1666-40	EX-2C	Soluble	Solid	DI Leach	
890-1666-41	EX-2D	Soluble	Solid	DI Leach	
890-1666-42	EX-2E	Soluble	Solid	DI Leach	
890-1666-43	EX-2F	Soluble	Solid	DI Leach	
890-1666-44	EX-2G	Soluble	Solid	DI Leach	
890-1666-45	EX-2H	Soluble	Solid	DI Leach	
890-1666-46	EX-2I	Soluble	Solid	DI Leach	
890-1666-47	EX-2J	Soluble	Solid	DI Leach	
890-1666-48	EX-2K	Soluble	Solid	DI Leach	
890-1666-49	EX-2L	Soluble	Solid	DI Leach	
890-1666-50	EX-2M	Soluble	Solid	DI Leach	
890-1666-51	EX-2N	Soluble	Solid	DI Leach	
890-1666-52	EX-2O	Soluble	Solid	DI Leach	
890-1666-53	EX-2P	Soluble	Solid	DI Leach	
MB 880-14197/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-14197/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-14197/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1666-34 MS	EX-1 W4	Soluble	Solid	DI Leach	
890-1666-34 MSD	EX-1 W4	Soluble	Solid	DI Leach	
890-1666-44 MS	EX-2G	Soluble	Solid	DI Leach	
890-1666-44 MSD	EX-2G	Soluble	Solid	DI Leach	

Leach Batch: 14198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-54	EX-2Q	Soluble	Solid	DI Leach	
890-1666-55	EX-2R	Soluble	Solid	DI Leach	
890-1666-56	EX-2S	Soluble	Solid	DI Leach	
890-1666-57	EX-2T	Soluble	Solid	DI Leach	
890-1666-58	EX-2U	Soluble	Solid	DI Leach	
890-1666-59	EX-2 W1	Soluble	Solid	DI Leach	
890-1666-60	EX-2 W2	Soluble	Solid	DI Leach	
MB 880-14198/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-14198/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-14198/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

HPLC/IC (Continued)

Leach Batch: 14198 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8927-B-10-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-8927-B-10-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-8945-A-2-F MS	Matrix Spike	Soluble	Solid	DI Leach	
880-8945-A-2-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 14371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-61	EX-2 W3	Soluble	Solid	300.0	14190
890-1666-62	EX-2 W4	Soluble	Solid	300.0	14190
890-1666-63	EX-2 W5	Soluble	Solid	300.0	14190
MB 880-14190/1-A	Method Blank	Soluble	Solid	300.0	14190
LCS 880-14190/2-A	Lab Control Sample	Soluble	Solid	300.0	14190
LCSD 880-14190/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	14190
890-1665-A-1-G MS	Matrix Spike	Soluble	Solid	300.0	14190
890-1665-A-1-H MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	14190

Analysis Batch: 14372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-84	EX-3U	Soluble	Solid	300.0	14191
890-1666-85	EX-3V	Soluble	Solid	300.0	14191
890-1666-86	EX-3W	Soluble	Solid	300.0	14191
890-1666-87	EX-3X	Soluble	Solid	300.0	14191
890-1666-88	EX-3Y	Soluble	Solid	300.0	14191
890-1666-89	EX-3Z	Soluble	Solid	300.0	14191
890-1666-90	EX-3 W1	Soluble	Solid	300.0	14191
890-1666-91	EX-3 W2	Soluble	Solid	300.0	14191
890-1666-92	EX-3 W3	Soluble	Solid	300.0	14191
890-1666-93	EX-3 W4	Soluble	Solid	300.0	14191
890-1666-94	EX-3 W5	Soluble	Solid	300.0	14191
890-1666-95	EX-3 W6	Soluble	Solid	300.0	14191
890-1666-96	EX-3 W7	Soluble	Solid	300.0	14191
890-1666-97	EX-3 AA	Soluble	Solid	300.0	14191
890-1666-98	EX-3BB	Soluble	Solid	300.0	14191
890-1666-99	EX-4A	Soluble	Solid	300.0	14191
890-1666-100	EX-4B	Soluble	Solid	300.0	14191
890-1666-101	EX-4C	Soluble	Solid	300.0	14191
890-1666-102	EX-4D	Soluble	Solid	300.0	14191
890-1666-103	EX-4E	Soluble	Solid	300.0	14191
MB 880-14191/1-A	Method Blank	Soluble	Solid	300.0	14191
LCS 880-14191/2-A	Lab Control Sample	Soluble	Solid	300.0	14191
LCSD 880-14191/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	14191
890-1666-84 MS	EX-3U	Soluble	Solid	300.0	14191
890-1666-84 MSD	EX-3U	Soluble	Solid	300.0	14191
890-1666-94 MS	EX-3 W5	Soluble	Solid	300.0	14191
890-1666-94 MSD	EX-3 W5	Soluble	Solid	300.0	14191

Analysis Batch: 14373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-104	EX-4F	Soluble	Solid	300.0	14192
890-1666-105	EX-4G	Soluble	Solid	300.0	14192
890-1666-106	EX-4H	Soluble	Solid	300.0	14192

Eurofins Xenco, Carlsbad

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

HPLC/IC (Continued)

Analysis Batch: 14373 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-107	EX-4I	Soluble	Solid	300.0	14192
890-1666-108	EX-4J	Soluble	Solid	300.0	14192
MB 880-14192/1-A	Method Blank	Soluble	Solid	300.0	14192
LCS 880-14192/2-A	Lab Control Sample	Soluble	Solid	300.0	14192
LCSD 880-14192/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	14192
880-8888-A-1-D MS	Matrix Spike	Soluble	Solid	300.0	14192
880-8888-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	14192
880-8898-A-8-D MS	Matrix Spike	Soluble	Solid	300.0	14192
880-8898-A-8-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	14192

Analysis Batch: 14374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-1	EX-1A	Soluble	Solid	300.0	14193
890-1666-2	EX-1B	Soluble	Solid	300.0	14193
890-1666-3	EX-1C	Soluble	Solid	300.0	14193
890-1666-4	EX-1D	Soluble	Solid	300.0	14193
890-1666-5	EX-1E	Soluble	Solid	300.0	14193
890-1666-6	EX-1F	Soluble	Solid	300.0	14193
MB 880-14193/1-A	Method Blank	Soluble	Solid	300.0	14193
LCS 880-14193/2-A	Lab Control Sample	Soluble	Solid	300.0	14193
LCSD 880-14193/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	14193
880-8912-A-1-H MS	Matrix Spike	Soluble	Solid	300.0	14193
880-8912-A-1-I MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	14193

Analysis Batch: 14452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-14	EX-1N	Soluble	Solid	300.0	14196
890-1666-15	EX-1O	Soluble	Solid	300.0	14196
890-1666-16	EX-1P	Soluble	Solid	300.0	14196
890-1666-17	EX-1Q	Soluble	Solid	300.0	14196
890-1666-18	EX-1R	Soluble	Solid	300.0	14196
890-1666-19	EX-1S	Soluble	Solid	300.0	14196
890-1666-20	EX-1T	Soluble	Solid	300.0	14196
890-1666-21	EX-1U	Soluble	Solid	300.0	14196
890-1666-22	EX-1V	Soluble	Solid	300.0	14196
890-1666-23	EX-1W	Soluble	Solid	300.0	14196
890-1666-24	EX-1X	Soluble	Solid	300.0	14196
890-1666-25	EX-1Y	Soluble	Solid	300.0	14196
890-1666-26	EX-1Z	Soluble	Solid	300.0	14196
890-1666-27	EX-1AA	Soluble	Solid	300.0	14196
890-1666-28	EX-1BB	Soluble	Solid	300.0	14196
890-1666-29	EX-1CC	Soluble	Solid	300.0	14196
890-1666-30	EX-1DD	Soluble	Solid	300.0	14196
890-1666-31	EX-1 W1	Soluble	Solid	300.0	14196
890-1666-32	EX-1 W2	Soluble	Solid	300.0	14196
890-1666-33	EX-1 W3	Soluble	Solid	300.0	14196
MB 880-14196/1-A	Method Blank	Soluble	Solid	300.0	14196
LCS 880-14196/2-A	Lab Control Sample	Soluble	Solid	300.0	14196
LCSD 880-14196/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	14196
890-1666-14 MS	EX-1N	Soluble	Solid	300.0	14196
890-1666-14 MSD	EX-1N	Soluble	Solid	300.0	14196

Eurofins Xenco, Carlsbad

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

HPLC/IC (Continued)

Analysis Batch: 14452 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-24 MS	EX-1X	Soluble	Solid	300.0	14196
890-1666-24 MSD	EX-1X	Soluble	Solid	300.0	14196

Analysis Batch: 14453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-34	EX-1 W4	Soluble	Solid	300.0	14197
890-1666-35	EX-1 W5	Soluble	Solid	300.0	14197
890-1666-36	EX-1 W6	Soluble	Solid	300.0	14197
890-1666-37	EX-1 W7	Soluble	Solid	300.0	14197
890-1666-38	EX-2A	Soluble	Solid	300.0	14197
890-1666-39	EX-2B	Soluble	Solid	300.0	14197
890-1666-40	EX-2C	Soluble	Solid	300.0	14197
890-1666-41	EX-2D	Soluble	Solid	300.0	14197
890-1666-42	EX-2E	Soluble	Solid	300.0	14197
890-1666-43	EX-2F	Soluble	Solid	300.0	14197
890-1666-44	EX-2G	Soluble	Solid	300.0	14197
890-1666-45	EX-2H	Soluble	Solid	300.0	14197
890-1666-46	EX-2I	Soluble	Solid	300.0	14197
890-1666-47	EX-2J	Soluble	Solid	300.0	14197
890-1666-48	EX-2K	Soluble	Solid	300.0	14197
890-1666-49	EX-2L	Soluble	Solid	300.0	14197
890-1666-50	EX-2M	Soluble	Solid	300.0	14197
890-1666-51	EX-2N	Soluble	Solid	300.0	14197
890-1666-52	EX-2O	Soluble	Solid	300.0	14197
890-1666-53	EX-2P	Soluble	Solid	300.0	14197
MB 880-14197/1-A	Method Blank	Soluble	Solid	300.0	14197
LCS 880-14197/2-A	Lab Control Sample	Soluble	Solid	300.0	14197
LCSD 880-14197/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	14197
890-1666-34 MS	EX-1 W4	Soluble	Solid	300.0	14197
890-1666-34 MSD	EX-1 W4	Soluble	Solid	300.0	14197
890-1666-44 MS	EX-2G	Soluble	Solid	300.0	14197
890-1666-44 MSD	EX-2G	Soluble	Solid	300.0	14197

Analysis Batch: 14454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-54	EX-2Q	Soluble	Solid	300.0	14198
890-1666-55	EX-2R	Soluble	Solid	300.0	14198
890-1666-56	EX-2S	Soluble	Solid	300.0	14198
890-1666-57	EX-2T	Soluble	Solid	300.0	14198
890-1666-58	EX-2U	Soluble	Solid	300.0	14198
890-1666-59	EX-2 W1	Soluble	Solid	300.0	14198
890-1666-60	EX-2 W2	Soluble	Solid	300.0	14198
MB 880-14198/1-A	Method Blank	Soluble	Solid	300.0	14198
LCS 880-14198/2-A	Lab Control Sample	Soluble	Solid	300.0	14198
LCSD 880-14198/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	14198
880-8927-B-10-D MS	Matrix Spike	Soluble	Solid	300.0	14198
880-8927-B-10-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	14198
880-8945-A-2-F MS	Matrix Spike	Soluble	Solid	300.0	14198
880-8945-A-2-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	14198

Eurofins Xenco, Carlsbad

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

HPLC/IC

Analysis Batch: 14539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-7	EX-1G	Soluble	Solid	300.0	14194
890-1666-8	EX-1H	Soluble	Solid	300.0	14194
890-1666-9	EX-1I	Soluble	Solid	300.0	14194
890-1666-10	EX-1J	Soluble	Solid	300.0	14194
890-1666-11	EX-1K	Soluble	Solid	300.0	14194
890-1666-12	EX-1L	Soluble	Solid	300.0	14194
890-1666-109	EX-4 W1	Soluble	Solid	300.0	14194
890-1666-110	EX-4 W2	Soluble	Solid	300.0	14194
890-1666-111	EX-4 W3	Soluble	Solid	300.0	14194
890-1666-112	EX-4 W4	Soluble	Solid	300.0	14194
890-1666-113	EX-5A	Soluble	Solid	300.0	14194
890-1666-114	EX-5B	Soluble	Solid	300.0	14194
890-1666-115	EX-5C	Soluble	Solid	300.0	14194
890-1666-116	EX-5D	Soluble	Solid	300.0	14194
890-1666-117	EX-5E	Soluble	Solid	300.0	14194
890-1666-118	EX-5F	Soluble	Solid	300.0	14194
890-1666-119	EX-5G	Soluble	Solid	300.0	14194
890-1666-120	EX-5H	Soluble	Solid	300.0	14194
890-1666-121	EX-5I	Soluble	Solid	300.0	14194
890-1666-122	EX-5J	Soluble	Solid	300.0	14194
MB 880-14194/1-A	Method Blank	Soluble	Solid	300.0	14194
LCS 880-14194/2-A	Lab Control Sample	Soluble	Solid	300.0	14194
LCSD 880-14194/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	14194
890-1666-7 MS	EX-1G	Soluble	Solid	300.0	14194
890-1666-7 MSD	EX-1G	Soluble	Solid	300.0	14194
890-1666-113 MS	EX-5A	Soluble	Solid	300.0	14194
890-1666-113 MSD	EX-5A	Soluble	Solid	300.0	14194

Analysis Batch: 14540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-13	EX-1M	Soluble	Solid	300.0	14195
890-1666-123	EX-5K	Soluble	Solid	300.0	14195
890-1666-124	EX-5L	Soluble	Solid	300.0	14195
890-1666-125	EX-5 W1	Soluble	Solid	300.0	14195
890-1666-126	EX-5 W2	Soluble	Solid	300.0	14195
890-1666-127	EX-5 W3	Soluble	Solid	300.0	14195
890-1666-128	EX-5 W4	Soluble	Solid	300.0	14195
890-1666-129	EX-5 W5	Soluble	Solid	300.0	14195
890-1666-130	SS-1	Soluble	Solid	300.0	14195
890-1666-131	SS-2	Soluble	Solid	300.0	14195
MB 880-14195/1-A	Method Blank	Soluble	Solid	300.0	14195
LCS 880-14195/2-A	Lab Control Sample	Soluble	Solid	300.0	14195
LCSD 880-14195/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	14195
890-1666-13 MS	EX-1M	Soluble	Solid	300.0	14195
890-1666-13 MSD	EX-1M	Soluble	Solid	300.0	14195

Leach Batch: 14777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-64	EX-3A	Soluble	Solid	DI Leach	
890-1666-65	EX-3B	Soluble	Solid	DI Leach	
890-1666-66	EX-3C	Soluble	Solid	DI Leach	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

HPLC/IC (Continued)

Leach Batch: 14777 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-67	EX-3D	Soluble	Solid	DI Leach	
890-1666-68	EX-3E	Soluble	Solid	DI Leach	
890-1666-69	EX-3F	Soluble	Solid	DI Leach	
890-1666-70	EX-3G	Soluble	Solid	DI Leach	
890-1666-71	EX-3H	Soluble	Solid	DI Leach	
890-1666-72	EX-3I	Soluble	Solid	DI Leach	
890-1666-73	EX-3J	Soluble	Solid	DI Leach	
890-1666-74	EX-3K	Soluble	Solid	DI Leach	
890-1666-75	EX-3L	Soluble	Solid	DI Leach	
890-1666-76	EX-3M	Soluble	Solid	DI Leach	
890-1666-77	EX-3N	Soluble	Solid	DI Leach	
890-1666-78	EX-3O	Soluble	Solid	DI Leach	
890-1666-79	EX-3P	Soluble	Solid	DI Leach	
890-1666-80	EX-3Q	Soluble	Solid	DI Leach	
890-1666-81	EX-3R	Soluble	Solid	DI Leach	
890-1666-82	EX-3S	Soluble	Solid	DI Leach	
890-1666-83	EX-3T	Soluble	Solid	DI Leach	
MB 880-14777/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-14777/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-14777/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1666-64 MS	EX-3A	Soluble	Solid	DI Leach	
890-1666-64 MSD	EX-3A	Soluble	Solid	DI Leach	
890-1666-74 MS	EX-3K	Soluble	Solid	DI Leach	
890-1666-74 MSD	EX-3K	Soluble	Solid	DI Leach	

Analysis Batch: 14923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-64	EX-3A	Soluble	Solid	300.0	14777
890-1666-65	EX-3B	Soluble	Solid	300.0	14777
890-1666-66	EX-3C	Soluble	Solid	300.0	14777
890-1666-67	EX-3D	Soluble	Solid	300.0	14777
890-1666-68	EX-3E	Soluble	Solid	300.0	14777
890-1666-69	EX-3F	Soluble	Solid	300.0	14777
890-1666-70	EX-3G	Soluble	Solid	300.0	14777
890-1666-71	EX-3H	Soluble	Solid	300.0	14777
890-1666-72	EX-3I	Soluble	Solid	300.0	14777
890-1666-73	EX-3J	Soluble	Solid	300.0	14777
890-1666-74	EX-3K	Soluble	Solid	300.0	14777
890-1666-75	EX-3L	Soluble	Solid	300.0	14777
890-1666-76	EX-3M	Soluble	Solid	300.0	14777
890-1666-77	EX-3N	Soluble	Solid	300.0	14777
890-1666-78	EX-3O	Soluble	Solid	300.0	14777
890-1666-79	EX-3P	Soluble	Solid	300.0	14777
890-1666-80	EX-3Q	Soluble	Solid	300.0	14777
890-1666-81	EX-3R	Soluble	Solid	300.0	14777
890-1666-82	EX-3S	Soluble	Solid	300.0	14777
890-1666-83	EX-3T	Soluble	Solid	300.0	14777
MB 880-14777/1-A	Method Blank	Soluble	Solid	300.0	14777
LCS 880-14777/2-A	Lab Control Sample	Soluble	Solid	300.0	14777
LCSD 880-14777/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	14777
890-1666-64 MS	EX-3A	Soluble	Solid	300.0	14777

Eurofins Xenco, Carlsbad

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

HPLC/IC (Continued)

Analysis Batch: 14923 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1666-64 MSD	EX-3A	Soluble	Solid	300.0	14777
890-1666-74 MS	EX-3K	Soluble	Solid	300.0	14777
890-1666-74 MSD	EX-3K	Soluble	Solid	300.0	14777

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Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1A

Date Collected: 12/01/21 09:50

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	13837	12/03/21 08:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/03/21 23:24	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13945	12/06/21 09:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13939	12/06/21 11:44	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	14193	12/07/21 13:00	CA	XEN MID
Soluble	Analysis	300.0		1			14374	12/11/21 17:31	SC	XEN MID

Client Sample ID: EX-1B

Date Collected: 12/01/21 09:53

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	13837	12/03/21 08:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/03/21 23:45	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	13945	12/06/21 09:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13939	12/06/21 12:46	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	14193	12/07/21 13:00	CA	XEN MID
Soluble	Analysis	300.0		1			14374	12/11/21 17:38	SC	XEN MID

Client Sample ID: EX-1C

Date Collected: 12/01/21 09:56

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	13837	12/03/21 08:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 00:05	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13945	12/06/21 09:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13939	12/06/21 13:06	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14193	12/07/21 13:00	CA	XEN MID
Soluble	Analysis	300.0		1			14374	12/11/21 17:45	SC	XEN MID

Client Sample ID: EX-1D

Date Collected: 12/01/21 09:59

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	13837	12/03/21 08:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 00:26	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1D

Date Collected: 12/01/21 09:59

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	13945	12/06/21 09:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13939	12/06/21 13:27	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14193	12/07/21 13:00	CA	XEN MID
Soluble	Analysis	300.0		1			14374	12/11/21 17:51	SC	XEN MID

Client Sample ID: EX-1E

Date Collected: 12/01/21 10:02

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	13837	12/03/21 08:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 00:46	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	13945	12/06/21 09:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13939	12/06/21 13:47	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	14193	12/07/21 13:00	CA	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	14374	12/11/21 17:58	SC	XEN MID

Client Sample ID: EX-1F

Date Collected: 12/01/21 10:05

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	13837	12/03/21 08:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 01:06	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13945	12/06/21 09:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13939	12/06/21 14:07	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	14193	12/07/21 13:00	CA	XEN MID
Soluble	Analysis	300.0		1			14374	12/11/21 18:05	SC	XEN MID

Client Sample ID: EX-1G

Date Collected: 12/01/21 10:07

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	13837	12/03/21 08:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 01:27	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	13945	12/06/21 09:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13939	12/06/21 14:27	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1G

Date Collected: 12/01/21 10:07

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	14194	12/07/21 13:02	CA	XEN MID
Soluble	Analysis	300.0		1			14539	12/11/21 05:15	SC	XEN MID

Client Sample ID: EX-1H

Date Collected: 12/01/21 10:10

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	13837	12/03/21 08:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 01:47	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	13945	12/06/21 09:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13939	12/06/21 14:48	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	14194	12/07/21 13:02	CA	XEN MID
Soluble	Analysis	300.0		1			14539	12/11/21 05:34	SC	XEN MID

Client Sample ID: EX-1I

Date Collected: 12/01/21 10:13

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	13837	12/03/21 08:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 02:08	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	13945	12/06/21 09:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13939	12/06/21 15:08	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	14194	12/07/21 13:02	CA	XEN MID
Soluble	Analysis	300.0		1			14539	12/11/21 05:41	SC	XEN MID

Client Sample ID: EX-1J

Date Collected: 12/01/21 10:15

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	13837	12/03/21 08:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 02:28	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	13945	12/06/21 09:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13939	12/06/21 15:28	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14194	12/07/21 13:02	CA	XEN MID
Soluble	Analysis	300.0		1			14539	12/11/21 05:48	SC	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1K

Lab Sample ID: 890-1666-11

Date Collected: 12/01/21 10:18

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	13837	12/03/21 08:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 03:50	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	13945	12/06/21 09:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13939	12/06/21 16:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14194	12/07/21 13:02	CA	XEN MID
Soluble	Analysis	300.0		1			14539	12/11/21 05:54	SC	XEN MID

Client Sample ID: EX-1L

Lab Sample ID: 890-1666-12

Date Collected: 12/01/21 10:21

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	13837	12/03/21 08:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 04:11	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	13945	12/06/21 09:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13939	12/06/21 16:29	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	14194	12/07/21 13:02	CA	XEN MID
Soluble	Analysis	300.0		1			14539	12/11/21 06:14	SC	XEN MID

Client Sample ID: EX-1M

Lab Sample ID: 890-1666-13

Date Collected: 12/01/21 10:25

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	13837	12/03/21 08:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 04:31	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13945	12/06/21 09:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13939	12/06/21 16:49	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	14195	12/07/21 13:04	CA	XEN MID
Soluble	Analysis	300.0		1			14540	12/11/21 09:08	SC	XEN MID

Client Sample ID: EX-1N

Lab Sample ID: 890-1666-14

Date Collected: 12/01/21 10:27

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	13837	12/03/21 08:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 04:51	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1N

Date Collected: 12/01/21 10:27

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	13945	12/06/21 09:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13939	12/06/21 17:10	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	14196	12/07/21 13:06	CA	XEN MID
Soluble	Analysis	300.0		1			14452	12/10/21 19:43	SC	XEN MID

Client Sample ID: EX-1O

Date Collected: 12/01/21 10:30

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	13837	12/03/21 08:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 05:12	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	13945	12/06/21 09:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13939	12/06/21 17:30	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	14196	12/07/21 13:06	CA	XEN MID
Soluble	Analysis	300.0		1			14452	12/10/21 20:16	SC	XEN MID

Client Sample ID: EX-1P

Date Collected: 12/01/21 10:33

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	13837	12/03/21 08:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 05:32	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13945	12/06/21 09:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13939	12/06/21 17:50	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	14196	12/07/21 13:06	CA	XEN MID
Soluble	Analysis	300.0		1			14452	12/10/21 20:27	SC	XEN MID

Client Sample ID: EX-1Q

Date Collected: 12/01/21 10:36

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	13837	12/03/21 08:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 05:53	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	13945	12/06/21 09:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13939	12/06/21 18:10	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1Q

Date Collected: 12/01/21 10:36

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	14196	12/07/21 13:06	CA	XEN MID
Soluble	Analysis	300.0		1			14452	12/10/21 20:38	SC	XEN MID

Client Sample ID: EX-1R

Date Collected: 12/01/21 10:40

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	13837	12/03/21 08:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 06:13	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	13945	12/06/21 09:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13939	12/06/21 18:31	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14196	12/07/21 13:06	CA	XEN MID
Soluble	Analysis	300.0		1			14452	12/10/21 20:49	SC	XEN MID

Client Sample ID: EX-1S

Date Collected: 12/01/21 10:44

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	13837	12/03/21 08:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 06:34	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	13945	12/06/21 09:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13939	12/06/21 18:52	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	14196	12/07/21 13:06	CA	XEN MID
Soluble	Analysis	300.0		1			14452	12/10/21 21:21	SC	XEN MID

Client Sample ID: EX-1T

Date Collected: 12/01/21 10:47

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	13837	12/03/21 08:52	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 06:54	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	13945	12/06/21 09:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13939	12/06/21 19:13	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	14196	12/07/21 13:06	CA	XEN MID
Soluble	Analysis	300.0		1			14452	12/10/21 21:32	SC	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1U

Lab Sample ID: 890-1666-21

Date Collected: 12/01/21 10:50

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	13838	12/03/21 08:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 10:17	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13946	12/06/21 09:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13941	12/06/21 11:44	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14196	12/07/21 13:06	CA	XEN MID
Soluble	Analysis	300.0		1			14452	12/10/21 21:43	SC	XEN MID

Client Sample ID: EX-1V

Lab Sample ID: 890-1666-22

Date Collected: 12/01/21 10:52

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	13838	12/03/21 08:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 10:37	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	13946	12/06/21 09:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13941	12/06/21 12:46	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	14196	12/07/21 13:06	CA	XEN MID
Soluble	Analysis	300.0		1			14452	12/10/21 21:54	SC	XEN MID

Client Sample ID: EX-1W

Lab Sample ID: 890-1666-23

Date Collected: 12/01/21 10:55

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	13838	12/03/21 08:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 10:58	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13946	12/06/21 09:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13941	12/06/21 13:06	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14196	12/07/21 13:06	CA	XEN MID
Soluble	Analysis	300.0		1			14452	12/10/21 22:05	SC	XEN MID

Client Sample ID: EX-1X

Lab Sample ID: 890-1666-24

Date Collected: 12/01/21 10:59

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	13838	12/03/21 08:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 11:18	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1X

Lab Sample ID: 890-1666-24

Date Collected: 12/01/21 10:59

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	13946	12/06/21 09:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13941	12/06/21 13:27	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	14196	12/07/21 13:06	CA	XEN MID
Soluble	Analysis	300.0		1			14452	12/10/21 22:16	SC	XEN MID

Client Sample ID: EX-1Y

Lab Sample ID: 890-1666-25

Date Collected: 12/01/21 11:03

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	13838	12/03/21 08:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 11:39	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	13946	12/06/21 09:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13941	12/06/21 13:47	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	14196	12/07/21 13:06	CA	XEN MID
Soluble	Analysis	300.0		1			14452	12/10/21 22:49	SC	XEN MID

Client Sample ID: EX-1Z

Lab Sample ID: 890-1666-26

Date Collected: 12/01/21 11:06

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	13838	12/03/21 08:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 11:59	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13946	12/06/21 09:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13941	12/06/21 14:07	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	14196	12/07/21 13:06	CA	XEN MID
Soluble	Analysis	300.0		1			14452	12/10/21 23:00	SC	XEN MID

Client Sample ID: EX-1AA

Lab Sample ID: 890-1666-27

Date Collected: 12/01/21 11:10

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	13838	12/03/21 08:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 12:20	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	13946	12/06/21 09:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13941	12/06/21 14:27	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1AA

Lab Sample ID: 890-1666-27

Date Collected: 12/01/21 11:10

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	14196	12/07/21 13:06	CA	XEN MID
Soluble	Analysis	300.0		1			14452	12/10/21 23:32	SC	XEN MID

Client Sample ID: EX-1BB

Lab Sample ID: 890-1666-28

Date Collected: 12/01/21 11:13

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	13838	12/03/21 08:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 12:40	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	13946	12/06/21 09:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13941	12/06/21 14:48	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	14196	12/07/21 13:06	CA	XEN MID
Soluble	Analysis	300.0		1			14452	12/10/21 23:43	SC	XEN MID

Client Sample ID: EX-1CC

Lab Sample ID: 890-1666-29

Date Collected: 12/01/21 11:17

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	13838	12/03/21 08:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 13:00	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	13946	12/06/21 09:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13941	12/06/21 15:08	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	14196	12/07/21 13:06	CA	XEN MID
Soluble	Analysis	300.0		1			14452	12/10/21 23:54	SC	XEN MID

Client Sample ID: EX-1DD

Lab Sample ID: 890-1666-30

Date Collected: 12/01/21 11:20

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	13838	12/03/21 08:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 13:21	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14295	12/08/21 12:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	13946	12/06/21 09:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13941	12/06/21 15:28	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14196	12/07/21 13:06	CA	XEN MID
Soluble	Analysis	300.0		1			14452	12/11/21 00:05	SC	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1 W1

Lab Sample ID: 890-1666-31

Date Collected: 12/01/21 11:23

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	13838	12/03/21 08:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 14:43	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	13946	12/06/21 09:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13941	12/06/21 16:09	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14196	12/07/21 13:06	CA	XEN MID
Soluble	Analysis	300.0		1			14452	12/11/21 00:16	SC	XEN MID

Client Sample ID: EX-1 W2

Lab Sample ID: 890-1666-32

Date Collected: 12/01/21 11:27

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	13838	12/03/21 08:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 15:03	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	13946	12/06/21 09:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13941	12/06/21 16:29	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	14196	12/07/21 13:06	CA	XEN MID
Soluble	Analysis	300.0		1			14452	12/11/21 00:27	SC	XEN MID

Client Sample ID: EX-1 W3

Lab Sample ID: 890-1666-33

Date Collected: 12/01/21 11:30

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	13838	12/03/21 08:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 15:24	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13946	12/06/21 09:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13941	12/06/21 16:49	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	14196	12/07/21 13:06	CA	XEN MID
Soluble	Analysis	300.0		1			14452	12/11/21 00:38	SC	XEN MID

Client Sample ID: EX-1 W4

Lab Sample ID: 890-1666-34

Date Collected: 12/01/21 11:33

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	13838	12/03/21 08:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 15:44	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1 W4

Lab Sample ID: 890-1666-34

Date Collected: 12/01/21 11:33

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	13946	12/06/21 09:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13941	12/06/21 17:10	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	14197	12/07/21 13:08	CA	XEN MID
Soluble	Analysis	300.0		1			14453	12/10/21 16:29	SC	XEN MID

Client Sample ID: EX-1 W5

Lab Sample ID: 890-1666-35

Date Collected: 12/01/21 11:36

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	13838	12/03/21 08:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 16:05	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	13946	12/06/21 09:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13941	12/06/21 17:30	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	14197	12/07/21 13:08	CA	XEN MID
Soluble	Analysis	300.0		1			14453	12/10/21 16:54	SC	XEN MID

Client Sample ID: EX-1 W6

Lab Sample ID: 890-1666-36

Date Collected: 12/01/21 11:40

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	13838	12/03/21 08:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 16:25	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13946	12/06/21 09:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13941	12/06/21 17:50	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	14197	12/07/21 13:08	CA	XEN MID
Soluble	Analysis	300.0		1			14453	12/10/21 17:03	SC	XEN MID

Client Sample ID: EX-1 W7

Lab Sample ID: 890-1666-37

Date Collected: 12/01/21 11:43

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	13838	12/03/21 08:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 16:46	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	13946	12/06/21 09:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13941	12/06/21 18:10	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-1 W7

Date Collected: 12/01/21 11:43

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-37

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	14197	12/07/21 13:08	CA	XEN MID
Soluble	Analysis	300.0		10			14453	12/10/21 17:11	SC	XEN MID

Client Sample ID: EX-2A

Date Collected: 12/01/21 12:09

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-38

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	13838	12/03/21 08:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 17:06	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	13946	12/06/21 09:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13941	12/06/21 18:31	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14197	12/07/21 13:08	CA	XEN MID
Soluble	Analysis	300.0		1			14453	12/10/21 17:19	SC	XEN MID

Client Sample ID: EX-2B

Date Collected: 12/01/21 12:12

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-39

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	13838	12/03/21 08:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 17:27	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	13946	12/06/21 09:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13941	12/06/21 18:52	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	14197	12/07/21 13:08	CA	XEN MID
Soluble	Analysis	300.0		1			14453	12/10/21 17:44	SC	XEN MID

Client Sample ID: EX-2C

Date Collected: 12/01/21 12:14

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-40

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	13838	12/03/21 08:54	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 17:47	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14296	12/08/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	13946	12/06/21 09:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13941	12/06/21 19:13	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	14197	12/07/21 13:08	CA	XEN MID
Soluble	Analysis	300.0		1			14453	12/10/21 17:53	SC	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-2D

Lab Sample ID: 890-1666-41

Date Collected: 12/01/21 12:17

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	13839	12/03/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 21:09	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14087	12/06/21 14:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14171	12/07/21 13:04	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14197	12/07/21 13:08	CA	XEN MID
Soluble	Analysis	300.0		1			14453	12/10/21 18:01	SC	XEN MID

Client Sample ID: EX-2E

Lab Sample ID: 890-1666-42

Date Collected: 12/01/21 12:20

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	13839	12/03/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 21:30	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14087	12/06/21 14:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14171	12/07/21 14:03	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	14197	12/07/21 13:08	CA	XEN MID
Soluble	Analysis	300.0		1			14453	12/10/21 18:09	SC	XEN MID

Client Sample ID: EX-2F

Lab Sample ID: 890-1666-43

Date Collected: 12/01/21 12:22

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	13839	12/03/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 21:50	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14087	12/06/21 14:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14171	12/07/21 14:23	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14197	12/07/21 13:08	CA	XEN MID
Soluble	Analysis	300.0		1			14453	12/10/21 18:18	SC	XEN MID

Client Sample ID: EX-2G

Lab Sample ID: 890-1666-44

Date Collected: 12/01/21 12:25

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	13839	12/03/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 22:10	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-2G

Date Collected: 12/01/21 12:25

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-44

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14087	12/06/21 14:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14171	12/07/21 14:43	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	14197	12/07/21 13:08	CA	XEN MID
Soluble	Analysis	300.0		1			14453	12/10/21 18:26	SC	XEN MID

Client Sample ID: EX-2H

Date Collected: 12/01/21 12:28

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-45

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	13839	12/03/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 22:31	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14087	12/06/21 14:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14171	12/07/21 15:03	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	14197	12/07/21 13:08	CA	XEN MID
Soluble	Analysis	300.0		1			14453	12/10/21 18:51	SC	XEN MID

Client Sample ID: EX-2I

Date Collected: 12/01/21 12:30

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-46

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	13839	12/03/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 22:51	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14087	12/06/21 14:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14171	12/07/21 15:23	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	14197	12/07/21 13:08	CA	XEN MID
Soluble	Analysis	300.0		1			14453	12/10/21 19:00	SC	XEN MID

Client Sample ID: EX-2J

Date Collected: 12/01/21 12:33

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-47

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	13839	12/03/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 23:12	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14087	12/06/21 14:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14171	12/07/21 15:42	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-2J

Date Collected: 12/01/21 12:33

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-47

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	14197	12/07/21 13:08	CA	XEN MID
Soluble	Analysis	300.0		1			14453	12/10/21 19:25	SC	XEN MID

Client Sample ID: EX-2K

Date Collected: 12/01/21 12:36

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-48

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	13839	12/03/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 23:32	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14087	12/06/21 14:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14171	12/07/21 16:02	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	14197	12/07/21 13:08	CA	XEN MID
Soluble	Analysis	300.0		1			14453	12/10/21 19:33	SC	XEN MID

Client Sample ID: EX-2L

Date Collected: 12/01/21 12:39

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-49

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	13839	12/03/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/04/21 23:53	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14087	12/06/21 14:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14171	12/07/21 16:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	14197	12/07/21 13:08	CA	XEN MID
Soluble	Analysis	300.0		1			14453	12/10/21 19:42	SC	XEN MID

Client Sample ID: EX-2M

Date Collected: 12/01/21 12:41

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	13839	12/03/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/05/21 00:13	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14087	12/06/21 14:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14171	12/07/21 16:42	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14197	12/07/21 13:08	CA	XEN MID
Soluble	Analysis	300.0		1			14453	12/10/21 19:50	SC	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-2N

Lab Sample ID: 890-1666-51

Date Collected: 12/01/21 12:43

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	13839	12/03/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/05/21 01:35	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14087	12/06/21 14:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14171	12/07/21 17:21	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14197	12/07/21 13:08	CA	XEN MID
Soluble	Analysis	300.0		1			14453	12/10/21 19:59	SC	XEN MID

Client Sample ID: EX-2O

Lab Sample ID: 890-1666-52

Date Collected: 12/01/21 12:46

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	13839	12/03/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/05/21 01:55	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14087	12/06/21 14:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14171	12/07/21 17:41	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	14197	12/07/21 13:08	CA	XEN MID
Soluble	Analysis	300.0		1			14453	12/10/21 20:07	SC	XEN MID

Client Sample ID: EX-2P

Lab Sample ID: 890-1666-53

Date Collected: 12/01/21 12:49

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	13839	12/03/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/05/21 02:15	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14087	12/06/21 14:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14171	12/07/21 18:01	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	14197	12/07/21 13:08	CA	XEN MID
Soluble	Analysis	300.0		1			14453	12/10/21 20:15	SC	XEN MID

Client Sample ID: EX-2Q

Lab Sample ID: 890-1666-54

Date Collected: 12/01/21 12:52

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	13839	12/03/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/05/21 02:36	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-2Q

Date Collected: 12/01/21 12:52

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-54

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14087	12/06/21 14:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14171	12/07/21 18:20	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14198	12/07/21 13:10	CA	XEN MID
Soluble	Analysis	300.0		10			14454	12/11/21 00:18	SC	XEN MID

Client Sample ID: EX-2R

Date Collected: 12/01/21 12:54

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-55

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	13839	12/03/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/05/21 02:56	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14087	12/06/21 14:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14171	12/07/21 18:40	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	14198	12/07/21 13:10	CA	XEN MID
Soluble	Analysis	300.0		1			14454	12/11/21 16:23	SC	XEN MID

Client Sample ID: EX-2S

Date Collected: 12/01/21 12:57

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-56

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	13839	12/03/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/05/21 03:17	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14087	12/06/21 14:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14171	12/07/21 18:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	14198	12/07/21 13:10	CA	XEN MID
Soluble	Analysis	300.0		1			14454	12/11/21 16:31	SC	XEN MID

Client Sample ID: EX-2T

Date Collected: 12/01/21 13:00

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-57

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	13839	12/03/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/05/21 03:37	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14087	12/06/21 14:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14171	12/07/21 19:19	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-2T

Date Collected: 12/01/21 13:00

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-57

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	14198	12/07/21 13:10	CA	XEN MID
Soluble	Analysis	300.0		1			14454	12/11/21 16:40	SC	XEN MID

Client Sample ID: EX-2U

Date Collected: 12/01/21 13:03

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-58

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	13839	12/03/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/05/21 03:57	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14087	12/06/21 14:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14171	12/07/21 19:38	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14198	12/07/21 13:10	CA	XEN MID
Soluble	Analysis	300.0		1			14454	12/11/21 16:48	SC	XEN MID

Client Sample ID: EX-2 W1

Date Collected: 12/01/21 13:05

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-59

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	13839	12/03/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/05/21 04:18	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14087	12/06/21 14:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14171	12/07/21 19:57	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	14198	12/07/21 13:10	CA	XEN MID
Soluble	Analysis	300.0		1			14454	12/11/21 16:56	SC	XEN MID

Client Sample ID: EX-2 W2

Date Collected: 12/01/21 13:08

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-60

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	13839	12/03/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/05/21 04:38	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14087	12/06/21 14:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14171	12/07/21 20:17	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	14198	12/07/21 13:10	CA	XEN MID
Soluble	Analysis	300.0		1			14454	12/11/21 01:08	SC	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-2 W3

Lab Sample ID: 890-1666-61

Date Collected: 12/01/21 13:11

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	13840	12/03/21 09:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/05/21 08:00	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14088	12/06/21 14:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14173	12/07/21 13:04	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14190	12/07/21 12:55	CA	XEN MID
Soluble	Analysis	300.0		1			14371	12/10/21 17:54	SC	XEN MID

Client Sample ID: EX-2 W4

Lab Sample ID: 890-1666-62

Date Collected: 12/01/21 13:14

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	13840	12/03/21 09:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/05/21 08:21	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14088	12/06/21 14:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14173	12/07/21 14:03	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	14190	12/07/21 12:55	CA	XEN MID
Soluble	Analysis	300.0		1			14371	12/10/21 09:15	SC	XEN MID

Client Sample ID: EX-2 W5

Lab Sample ID: 890-1666-63

Date Collected: 12/01/21 13:17

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	13840	12/03/21 09:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/05/21 08:41	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14088	12/06/21 14:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14173	12/07/21 14:23	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	14190	12/07/21 12:55	CA	XEN MID
Soluble	Analysis	300.0		1			14371	12/10/21 09:26	SC	XEN MID

Client Sample ID: EX-3A

Lab Sample ID: 890-1666-64

Date Collected: 12/01/21 13:35

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	13840	12/03/21 09:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/05/21 09:02	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3A

Date Collected: 12/01/21 13:35

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-64

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14088	12/06/21 14:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14173	12/07/21 14:43	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14777	12/14/21 12:30	CA	XEN MID
Soluble	Analysis	300.0		10			14923	12/15/21 18:12	CH	XEN MID

Client Sample ID: EX-3B

Date Collected: 12/01/21 13:37

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-65

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	13840	12/03/21 09:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/05/21 09:22	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14088	12/06/21 14:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14173	12/07/21 15:03	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	14777	12/14/21 12:30	CA	XEN MID
Soluble	Analysis	300.0		1			14923	12/16/21 11:30	CH	XEN MID

Client Sample ID: EX-3C

Date Collected: 12/01/21 13:40

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-66

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	13840	12/03/21 09:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/05/21 09:42	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14088	12/06/21 14:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14173	12/07/21 15:23	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	14777	12/14/21 12:30	CA	XEN MID
Soluble	Analysis	300.0		1			14923	12/16/21 11:41	CH	XEN MID

Client Sample ID: EX-3D

Date Collected: 12/01/21 13:42

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-67

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	13840	12/03/21 09:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/05/21 10:03	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14088	12/06/21 14:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14173	12/07/21 15:42	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3D

Date Collected: 12/01/21 13:42

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-67

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	14777	12/14/21 12:30	CA	XEN MID
Soluble	Analysis	300.0		1			14923	12/16/21 11:52	CH	XEN MID

Client Sample ID: EX-3E

Date Collected: 12/01/21 13:45

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-68

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	13840	12/03/21 09:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/05/21 10:23	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14088	12/06/21 14:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14173	12/07/21 16:02	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	14777	12/14/21 12:30	CA	XEN MID
Soluble	Analysis	300.0		1			14923	12/15/21 19:18	CH	XEN MID

Client Sample ID: EX-3F

Date Collected: 12/01/21 13:47

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-69

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	13840	12/03/21 09:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/05/21 10:44	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14088	12/06/21 14:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14173	12/07/21 16:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14777	12/14/21 12:30	CA	XEN MID
Soluble	Analysis	300.0		1			14923	12/16/21 12:03	CH	XEN MID

Client Sample ID: EX-3G

Date Collected: 12/01/21 13:49

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-70

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	13840	12/03/21 09:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/05/21 11:04	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14088	12/06/21 14:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14173	12/07/21 16:42	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14777	12/14/21 12:30	CA	XEN MID
Soluble	Analysis	300.0		1			14923	12/16/21 12:14	CH	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3H

Lab Sample ID: 890-1666-71

Date Collected: 12/01/21 13:52

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	13840	12/03/21 09:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/05/21 12:26	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14088	12/06/21 14:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14173	12/07/21 17:21	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	14777	12/14/21 12:30	CA	XEN MID
Soluble	Analysis	300.0		1			14923	12/16/21 12:25	CH	XEN MID

Client Sample ID: EX-3I

Lab Sample ID: 890-1666-72

Date Collected: 12/01/21 13:55

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	13840	12/03/21 09:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/05/21 12:47	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14088	12/06/21 14:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14173	12/07/21 17:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	14777	12/14/21 12:30	CA	XEN MID
Soluble	Analysis	300.0		1			14923	12/16/21 12:36	CH	XEN MID

Client Sample ID: EX-3J

Lab Sample ID: 890-1666-73

Date Collected: 12/01/21 13:57

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	13840	12/03/21 09:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/05/21 13:07	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14088	12/06/21 14:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14173	12/07/21 18:01	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	14777	12/14/21 12:30	CA	XEN MID
Soluble	Analysis	300.0		1			14923	12/15/21 20:34	CH	XEN MID

Client Sample ID: EX-3K

Lab Sample ID: 890-1666-74

Date Collected: 12/01/21 14:00

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	13840	12/03/21 09:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/05/21 13:28	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3K

Lab Sample ID: 890-1666-74

Date Collected: 12/01/21 14:00

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14088	12/06/21 14:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14173	12/07/21 18:20	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14777	12/14/21 12:30	CA	XEN MID
Soluble	Analysis	300.0		10			14923	12/15/21 20:45	CH	XEN MID

Client Sample ID: EX-3L

Lab Sample ID: 890-1666-75

Date Collected: 12/01/21 14:02

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	13840	12/03/21 09:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/05/21 13:48	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14088	12/06/21 14:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14173	12/07/21 18:40	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	14777	12/14/21 12:30	CA	XEN MID
Soluble	Analysis	300.0		1			14923	12/16/21 12:46	CH	XEN MID

Client Sample ID: EX-3M

Lab Sample ID: 890-1666-76

Date Collected: 12/01/21 14:06

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	13840	12/03/21 09:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/05/21 14:09	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14088	12/06/21 14:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14173	12/07/21 18:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	14777	12/14/21 12:30	CA	XEN MID
Soluble	Analysis	300.0		1			14923	12/16/21 12:57	CH	XEN MID

Client Sample ID: EX-3N

Lab Sample ID: 890-1666-77

Date Collected: 12/01/21 14:10

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	13840	12/03/21 09:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/05/21 14:29	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14088	12/06/21 14:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14173	12/07/21 19:19	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3N

Date Collected: 12/01/21 14:10

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-77

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	14777	12/14/21 12:30	CA	XEN MID
Soluble	Analysis	300.0		10			14923	12/15/21 22:01	CH	XEN MID

Client Sample ID: EX-3O

Date Collected: 12/01/21 14:12

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-78

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	13840	12/03/21 09:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/05/21 14:49	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14088	12/06/21 14:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14173	12/07/21 19:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14777	12/14/21 12:30	CA	XEN MID
Soluble	Analysis	300.0		1			14923	12/16/21 13:08	CH	XEN MID

Client Sample ID: EX-3P

Date Collected: 12/01/21 14:15

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-79

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	13840	12/03/21 09:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/05/21 15:10	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14088	12/06/21 14:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14173	12/07/21 19:57	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14777	12/14/21 12:30	CA	XEN MID
Soluble	Analysis	300.0		10			14923	12/15/21 22:23	CH	XEN MID

Client Sample ID: EX-3Q

Date Collected: 12/01/21 14:18

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-80

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	13840	12/03/21 09:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/05/21 15:30	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14088	12/06/21 14:21	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14173	12/07/21 20:17	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	14777	12/14/21 12:30	CA	XEN MID
Soluble	Analysis	300.0		1			14923	12/16/21 13:41	CH	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3R

Lab Sample ID: 890-1666-81

Date Collected: 12/01/21 14:21

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	13841	12/03/21 09:22	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/06/21 11:03	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14093	12/06/21 14:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/07/21 13:19	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14777	12/14/21 12:30	CA	XEN MID
Soluble	Analysis	300.0		1			14923	12/16/21 13:52	CH	XEN MID

Client Sample ID: EX-3S

Lab Sample ID: 890-1666-82

Date Collected: 12/01/21 14:23

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	13841	12/03/21 09:22	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/06/21 11:23	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14093	12/06/21 14:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/07/21 14:25	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	14777	12/14/21 12:30	CA	XEN MID
Soluble	Analysis	300.0		10			14923	12/15/21 22:56	CH	XEN MID

Client Sample ID: EX-3T

Lab Sample ID: 890-1666-83

Date Collected: 12/01/21 14:26

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	13841	12/03/21 09:22	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/06/21 11:43	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14093	12/06/21 14:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/07/21 14:47	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14777	12/14/21 12:30	CA	XEN MID
Soluble	Analysis	300.0		10			14923	12/15/21 23:07	CH	XEN MID

Client Sample ID: EX-3U

Lab Sample ID: 890-1666-84

Date Collected: 12/01/21 14:30

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	13841	12/03/21 09:22	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/06/21 12:04	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3U

Lab Sample ID: 890-1666-84

Date Collected: 12/01/21 14:30

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14093	12/06/21 14:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/07/21 15:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	14191	12/07/21 12:57	CA	XEN MID
Soluble	Analysis	300.0		1			14372	12/10/21 01:27	CH	XEN MID

Client Sample ID: EX-3V

Lab Sample ID: 890-1666-85

Date Collected: 12/01/21 14:33

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	13841	12/03/21 09:22	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/06/21 12:24	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14093	12/06/21 14:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/07/21 15:31	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	14191	12/07/21 12:57	CA	XEN MID
Soluble	Analysis	300.0		1			14372	12/10/21 01:47	CH	XEN MID

Client Sample ID: EX-3W

Lab Sample ID: 890-1666-86

Date Collected: 12/01/21 14:36

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	13841	12/03/21 09:22	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/06/21 12:45	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14093	12/06/21 14:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/07/21 15:53	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	14191	12/07/21 12:57	CA	XEN MID
Soluble	Analysis	300.0		1			14372	12/10/21 01:54	CH	XEN MID

Client Sample ID: EX-3X

Lab Sample ID: 890-1666-87

Date Collected: 12/01/21 14:40

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	13841	12/03/21 09:22	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/06/21 13:05	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14093	12/06/21 14:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/07/21 16:15	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3X

Lab Sample ID: 890-1666-87

Date Collected: 12/01/21 14:40

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	14191	12/07/21 12:57	CA	XEN MID
Soluble	Analysis	300.0		1			14372	12/10/21 02:00	CH	XEN MID

Client Sample ID: EX-3Y

Lab Sample ID: 890-1666-88

Date Collected: 12/01/21 14:43

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	13841	12/03/21 09:22	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/06/21 13:26	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14093	12/06/21 14:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/07/21 16:37	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14191	12/07/21 12:57	CA	XEN MID
Soluble	Analysis	300.0		1			14372	12/10/21 02:07	CH	XEN MID

Client Sample ID: EX-3Z

Lab Sample ID: 890-1666-89

Date Collected: 12/01/21 14:46

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	13841	12/03/21 09:22	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/06/21 13:46	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14093	12/06/21 14:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/07/21 16:58	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	14191	12/07/21 12:57	CA	XEN MID
Soluble	Analysis	300.0		1			14372	12/10/21 02:27	CH	XEN MID

Client Sample ID: EX-3 W1

Lab Sample ID: 890-1666-90

Date Collected: 12/01/21 14:50

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	13841	12/03/21 09:22	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/06/21 14:06	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14093	12/06/21 14:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/07/21 17:20	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	14191	12/07/21 12:57	CA	XEN MID
Soluble	Analysis	300.0		5			14372	12/10/21 11:46	CH	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3 W2

Lab Sample ID: 890-1666-91

Date Collected: 12/01/21 14:53

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	13841	12/03/21 09:22	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/06/21 15:56	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14093	12/06/21 14:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/07/21 18:05	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14191	12/07/21 12:57	CA	XEN MID
Soluble	Analysis	300.0		5			14372	12/10/21 12:00	CH	XEN MID

Client Sample ID: EX-3 W3

Lab Sample ID: 890-1666-92

Date Collected: 12/01/21 14:56

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	13841	12/03/21 09:22	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/06/21 16:16	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14093	12/06/21 14:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/07/21 18:27	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	14191	12/07/21 12:57	CA	XEN MID
Soluble	Analysis	300.0		1			14372	12/10/21 02:47	CH	XEN MID

Client Sample ID: EX-3 W4

Lab Sample ID: 890-1666-93

Date Collected: 12/01/21 14:59

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	13841	12/03/21 09:22	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/06/21 16:37	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14093	12/06/21 14:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/07/21 18:49	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14191	12/07/21 12:57	CA	XEN MID
Soluble	Analysis	300.0		1			14372	12/10/21 02:54	CH	XEN MID

Client Sample ID: EX-3 W5

Lab Sample ID: 890-1666-94

Date Collected: 12/01/21 15:03

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	13841	12/03/21 09:22	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/06/21 16:57	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3 W5

Lab Sample ID: 890-1666-94

Date Collected: 12/01/21 15:03

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14093	12/06/21 14:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/07/21 19:10	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	14191	12/07/21 12:57	CA	XEN MID
Soluble	Analysis	300.0		1			14372	12/10/21 03:00	CH	XEN MID

Client Sample ID: EX-3 W6

Lab Sample ID: 890-1666-95

Date Collected: 12/01/21 15:07

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	13841	12/03/21 09:22	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/06/21 17:18	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14093	12/06/21 14:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/07/21 19:32	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	14191	12/07/21 12:57	CA	XEN MID
Soluble	Analysis	300.0		1			14372	12/10/21 03:20	CH	XEN MID

Client Sample ID: EX-3 W7

Lab Sample ID: 890-1666-96

Date Collected: 12/01/21 15:10

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	13841	12/03/21 09:22	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/06/21 17:38	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14093	12/06/21 14:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/07/21 19:54	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	14191	12/07/21 12:57	CA	XEN MID
Soluble	Analysis	300.0		1			14372	12/10/21 03:27	CH	XEN MID

Client Sample ID: EX-3 AA

Lab Sample ID: 890-1666-97

Date Collected: 12/01/21 15:17

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	13841	12/03/21 09:22	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/06/21 17:58	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14093	12/06/21 14:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/07/21 20:15	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-3 AA

Date Collected: 12/01/21 15:17

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-97

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	14191	12/07/21 12:57	CA	XEN MID
Soluble	Analysis	300.0		1			14372	12/10/21 03:47	CH	XEN MID

Client Sample ID: EX-3BB

Date Collected: 12/01/21 15:20

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-98

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	13841	12/03/21 09:22	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/06/21 18:19	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14093	12/06/21 14:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/07/21 20:37	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	14191	12/07/21 12:57	CA	XEN MID
Soluble	Analysis	300.0		1			14372	12/10/21 03:53	CH	XEN MID

Client Sample ID: EX-4A

Date Collected: 12/01/21 15:44

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-99

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	13841	12/03/21 09:22	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/06/21 18:39	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14093	12/06/21 14:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/07/21 20:58	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	14191	12/07/21 12:57	CA	XEN MID
Soluble	Analysis	300.0		1			14372	12/10/21 04:00	CH	XEN MID

Client Sample ID: EX-4B

Date Collected: 12/01/21 15:47

Date Received: 12/02/21 09:38

Lab Sample ID: 890-1666-100

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	13841	12/03/21 09:22	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/06/21 19:00	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14093	12/06/21 14:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14176	12/07/21 21:20	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14191	12/07/21 12:57	CA	XEN MID
Soluble	Analysis	300.0		1			14372	12/10/21 04:07	CH	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-4C

Lab Sample ID: 890-1666-101

Date Collected: 12/01/21 15:50

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	13846	12/03/21 09:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/06/21 22:37	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14096	12/06/21 14:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14177	12/07/21 13:19	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14191	12/07/21 12:57	CA	XEN MID
Soluble	Analysis	300.0		1			14372	12/10/21 04:13	CH	XEN MID

Client Sample ID: EX-4D

Lab Sample ID: 890-1666-102

Date Collected: 12/01/21 15:52

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	13846	12/03/21 09:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/06/21 22:58	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14096	12/06/21 14:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14177	12/07/21 14:25	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	14191	12/07/21 12:57	CA	XEN MID
Soluble	Analysis	300.0		1			14372	12/10/21 04:20	CH	XEN MID

Client Sample ID: EX-4E

Lab Sample ID: 890-1666-103

Date Collected: 12/01/21 15:55

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	13846	12/03/21 09:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/06/21 23:18	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14096	12/06/21 14:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14177	12/07/21 14:47	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	14191	12/07/21 12:57	CA	XEN MID
Soluble	Analysis	300.0		1			14372	12/10/21 04:27	CH	XEN MID

Client Sample ID: EX-4F

Lab Sample ID: 890-1666-104

Date Collected: 12/01/21 15:58

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	13846	12/03/21 09:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/06/21 23:39	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-4F

Lab Sample ID: 890-1666-104

Date Collected: 12/01/21 15:58

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14096	12/06/21 14:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14177	12/07/21 15:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14192	12/07/21 12:59	CA	XEN MID
Soluble	Analysis	300.0		1			14373	12/10/21 10:53	CH	XEN MID

Client Sample ID: EX-4G

Lab Sample ID: 890-1666-105

Date Collected: 12/01/21 16:01

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	13846	12/03/21 09:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/06/21 23:59	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14096	12/06/21 14:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14177	12/07/21 15:31	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	14192	12/07/21 12:59	CA	XEN MID
Soluble	Analysis	300.0		10			14373	12/10/21 07:46	CH	XEN MID

Client Sample ID: EX-4H

Lab Sample ID: 890-1666-106

Date Collected: 12/01/21 16:03

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	13846	12/03/21 09:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/07/21 00:19	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14096	12/06/21 14:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14177	12/07/21 15:53	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	14192	12/07/21 12:59	CA	XEN MID
Soluble	Analysis	300.0		10			14373	12/10/21 07:53	CH	XEN MID

Client Sample ID: EX-4I

Lab Sample ID: 890-1666-107

Date Collected: 12/01/21 16:06

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	13846	12/03/21 09:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/07/21 00:40	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14096	12/06/21 14:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14177	12/07/21 16:15	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-4I

Lab Sample ID: 890-1666-107

Date Collected: 12/01/21 16:06

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	14192	12/07/21 12:59	CA	XEN MID
Soluble	Analysis	300.0		10			14373	12/10/21 08:00	CH	XEN MID

Client Sample ID: EX-4J

Lab Sample ID: 890-1666-108

Date Collected: 12/01/21 16:08

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	13846	12/03/21 09:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/07/21 01:00	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14096	12/06/21 14:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14177	12/07/21 16:37	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14192	12/07/21 12:59	CA	XEN MID
Soluble	Analysis	300.0		10			14373	12/10/21 08:06	CH	XEN MID

Client Sample ID: EX-4 W1

Lab Sample ID: 890-1666-109

Date Collected: 12/01/21 16:11

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	13846	12/03/21 09:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/07/21 01:21	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14096	12/06/21 14:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14177	12/07/21 16:58	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	14194	12/07/21 13:02	CA	XEN MID
Soluble	Analysis	300.0		5			14539	12/11/21 19:38	SC	XEN MID

Client Sample ID: EX-4 W2

Lab Sample ID: 890-1666-110

Date Collected: 12/01/21 16:13

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	13846	12/03/21 09:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/07/21 01:41	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14096	12/06/21 14:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14177	12/07/21 17:20	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14194	12/07/21 13:02	CA	XEN MID
Soluble	Analysis	300.0		1			14539	12/11/21 06:28	SC	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-4 W3

Lab Sample ID: 890-1666-111

Date Collected: 12/01/21 16:17

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	13846	12/03/21 09:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/07/21 03:31	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14096	12/06/21 14:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14177	12/07/21 18:05	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	14194	12/07/21 13:02	CA	XEN MID
Soluble	Analysis	300.0		5			14539	12/11/21 19:45	SC	XEN MID

Client Sample ID: EX-4 W4

Lab Sample ID: 890-1666-112

Date Collected: 12/01/21 16:20

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	13846	12/03/21 09:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/07/21 03:52	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14096	12/06/21 14:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14177	12/07/21 18:27	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14194	12/07/21 13:02	CA	XEN MID
Soluble	Analysis	300.0		5			14539	12/11/21 19:51	SC	XEN MID

Client Sample ID: EX-5A

Lab Sample ID: 890-1666-113

Date Collected: 12/01/21 16:25

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	13846	12/03/21 09:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/07/21 04:12	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14096	12/06/21 14:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14177	12/07/21 18:49	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	14194	12/07/21 13:02	CA	XEN MID
Soluble	Analysis	300.0		1			14539	12/11/21 06:48	SC	XEN MID

Client Sample ID: EX-5B

Lab Sample ID: 890-1666-114

Date Collected: 12/01/21 16:27

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	13846	12/03/21 09:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/07/21 04:32	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-5B

Lab Sample ID: 890-1666-114

Date Collected: 12/01/21 16:27

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14096	12/06/21 14:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14177	12/07/21 19:10	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	14194	12/07/21 13:02	CA	XEN MID
Soluble	Analysis	300.0		1			14539	12/11/21 07:08	SC	XEN MID

Client Sample ID: EX-5C

Lab Sample ID: 890-1666-115

Date Collected: 12/01/21 16:30

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	13846	12/03/21 09:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/07/21 04:53	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 15:57	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14096	12/06/21 14:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14177	12/07/21 19:32	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	14194	12/07/21 13:02	CA	XEN MID
Soluble	Analysis	300.0		1			14539	12/11/21 07:14	SC	XEN MID

Client Sample ID: EX-5D

Lab Sample ID: 890-1666-116

Date Collected: 12/01/21 16:33

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	13846	12/03/21 09:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/07/21 05:13	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 16:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14096	12/06/21 14:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14177	12/07/21 19:54	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14194	12/07/21 13:02	CA	XEN MID
Soluble	Analysis	300.0		1			14539	12/11/21 07:34	SC	XEN MID

Client Sample ID: EX-5E

Lab Sample ID: 890-1666-117

Date Collected: 12/01/21 16:36

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	13846	12/03/21 09:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/07/21 05:34	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 16:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14096	12/06/21 14:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14177	12/07/21 20:15	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-5E

Lab Sample ID: 890-1666-117

Date Collected: 12/01/21 16:36

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	14194	12/07/21 13:02	CA	XEN MID
Soluble	Analysis	300.0		1			14539	12/11/21 07:41	SC	XEN MID

Client Sample ID: EX-5F

Lab Sample ID: 890-1666-118

Date Collected: 12/01/21 16:38

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	13846	12/03/21 09:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/07/21 05:54	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 16:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14096	12/06/21 14:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14177	12/07/21 20:37	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	14194	12/07/21 13:02	CA	XEN MID
Soluble	Analysis	300.0		1			14539	12/11/21 07:48	SC	XEN MID

Client Sample ID: EX-5G

Lab Sample ID: 890-1666-119

Date Collected: 12/01/21 16:41

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	13846	12/03/21 09:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/07/21 06:14	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 16:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14096	12/06/21 14:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14177	12/07/21 20:58	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14194	12/07/21 13:02	CA	XEN MID
Soluble	Analysis	300.0		1			14539	12/11/21 07:54	SC	XEN MID

Client Sample ID: EX-5H

Lab Sample ID: 890-1666-120

Date Collected: 12/01/21 16:44

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	13846	12/03/21 09:40	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13932	12/07/21 06:35	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 16:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14096	12/06/21 14:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14177	12/07/21 21:20	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14194	12/07/21 13:02	CA	XEN MID
Soluble	Analysis	300.0		1			14539	12/11/21 08:01	SC	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-5I

Lab Sample ID: 890-1666-121

Date Collected: 12/01/21 16:46

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	13847	12/03/21 09:47	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13920	12/05/21 05:17	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 16:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14199	12/07/21 13:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14177	12/07/21 23:12	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	14194	12/07/21 13:02	CA	XEN MID
Soluble	Analysis	300.0		1			14539	12/11/21 08:08	SC	XEN MID

Client Sample ID: EX-5J

Lab Sample ID: 890-1666-122

Date Collected: 12/01/21 16:48

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	13847	12/03/21 09:47	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13920	12/05/21 05:43	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 16:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14199	12/07/21 13:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14177	12/08/21 00:20	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	14194	12/07/21 13:02	CA	XEN MID
Soluble	Analysis	300.0		5			14539	12/11/21 19:58	SC	XEN MID

Client Sample ID: EX-5K

Lab Sample ID: 890-1666-123

Date Collected: 12/01/21 16:50

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	13847	12/03/21 09:47	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13920	12/05/21 06:09	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 16:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14199	12/07/21 13:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14177	12/08/21 00:43	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	14195	12/07/21 13:04	CA	XEN MID
Soluble	Analysis	300.0		1			14540	12/11/21 09:27	SC	XEN MID

Client Sample ID: EX-5L

Lab Sample ID: 890-1666-124

Date Collected: 12/01/21 16:52

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	13847	12/03/21 09:47	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13920	12/05/21 06:35	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-5L

Lab Sample ID: 890-1666-124

Date Collected: 12/01/21 16:52

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			14531	12/10/21 16:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	14199	12/07/21 13:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14177	12/08/21 01:06	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	14195	12/07/21 13:04	CA	XEN MID
Soluble	Analysis	300.0		1			14540	12/11/21 09:34	SC	XEN MID

Client Sample ID: EX-5 W1

Lab Sample ID: 890-1666-125

Date Collected: 12/01/21 16:55

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	13847	12/03/21 09:47	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13920	12/05/21 07:01	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 16:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14199	12/07/21 13:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14177	12/08/21 01:29	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14195	12/07/21 13:04	CA	XEN MID
Soluble	Analysis	300.0		5			14540	12/11/21 20:18	SC	XEN MID

Client Sample ID: EX-5 W2

Lab Sample ID: 890-1666-126

Date Collected: 12/01/21 16:57

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	13847	12/03/21 09:47	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13920	12/05/21 07:28	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 16:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	14199	12/07/21 13:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14177	12/08/21 01:53	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14195	12/07/21 13:04	CA	XEN MID
Soluble	Analysis	300.0		1			14540	12/11/21 09:47	SC	XEN MID

Client Sample ID: EX-5 W3

Lab Sample ID: 890-1666-127

Date Collected: 12/01/21 16:59

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	13847	12/03/21 09:47	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13920	12/05/21 07:55	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 16:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	14199	12/07/21 13:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14177	12/08/21 02:16	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: EX-5 W3

Lab Sample ID: 890-1666-127

Date Collected: 12/01/21 16:59

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	14195	12/07/21 13:04	CA	XEN MID
Soluble	Analysis	300.0		1			14540	12/11/21 10:07	SC	XEN MID

Client Sample ID: EX-5 W4

Lab Sample ID: 890-1666-128

Date Collected: 12/01/21 17:02

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	13847	12/03/21 09:47	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13920	12/05/21 08:22	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 16:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	14199	12/07/21 13:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14177	12/08/21 02:39	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	14195	12/07/21 13:04	CA	XEN MID
Soluble	Analysis	300.0		5			14540	12/11/21 20:25	SC	XEN MID

Client Sample ID: EX-5 W5

Lab Sample ID: 890-1666-129

Date Collected: 12/01/21 17:05

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	13847	12/03/21 09:47	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13920	12/05/21 08:49	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 16:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	14199	12/07/21 13:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			14177	12/08/21 03:03	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	14195	12/07/21 13:04	CA	XEN MID
Soluble	Analysis	300.0		1			14540	12/11/21 10:21	SC	XEN MID

Client Sample ID: SS-1

Lab Sample ID: 890-1666-130

Date Collected: 12/01/21 17:10

Matrix: Solid

Date Received: 12/02/21 09:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	13847	12/03/21 09:47	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13920	12/05/21 09:16	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:17	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 16:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13950	12/06/21 09:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13935	12/06/21 18:08	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	14195	12/07/21 13:04	CA	XEN MID
Soluble	Analysis	300.0		1			14540	12/11/21 10:27	SC	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Client Sample ID: SS-2**Lab Sample ID: 890-1666-131****Date Collected: 12/01/21 17:12****Matrix: Solid****Date Received: 12/02/21 09:38**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	13829	12/03/21 07:56	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13831	12/03/21 15:36	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			14350	12/09/21 09:17	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			14531	12/10/21 16:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	13950	12/06/21 09:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13935	12/06/21 18:29	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	14195	12/07/21 13:04	CA	XEN MID
Soluble	Analysis	300.0		10			14540	12/11/21 20:31	SC	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Carlsbad

Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Eurofins Xenco, Carlsbad

Method Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Carlsbad

Sample Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1666-1	EX-1A	Solid	12/01/21 09:50	12/02/21 09:38	4
890-1666-2	EX-1B	Solid	12/01/21 09:53	12/02/21 09:38	4
890-1666-3	EX-1C	Solid	12/01/21 09:56	12/02/21 09:38	4
890-1666-4	EX-1D	Solid	12/01/21 09:59	12/02/21 09:38	4
890-1666-5	EX-1E	Solid	12/01/21 10:02	12/02/21 09:38	4
890-1666-6	EX-1F	Solid	12/01/21 10:05	12/02/21 09:38	4
890-1666-7	EX-1G	Solid	12/01/21 10:07	12/02/21 09:38	4
890-1666-8	EX-1H	Solid	12/01/21 10:10	12/02/21 09:38	4
890-1666-9	EX-1I	Solid	12/01/21 10:13	12/02/21 09:38	4
890-1666-10	EX-1J	Solid	12/01/21 10:15	12/02/21 09:38	4
890-1666-11	EX-1K	Solid	12/01/21 10:18	12/02/21 09:38	4
890-1666-12	EX-1L	Solid	12/01/21 10:21	12/02/21 09:38	4
890-1666-13	EX-1M	Solid	12/01/21 10:25	12/02/21 09:38	4
890-1666-14	EX-1N	Solid	12/01/21 10:27	12/02/21 09:38	4
890-1666-15	EX-1O	Solid	12/01/21 10:30	12/02/21 09:38	4
890-1666-16	EX-1P	Solid	12/01/21 10:33	12/02/21 09:38	4
890-1666-17	EX-1Q	Solid	12/01/21 10:36	12/02/21 09:38	4
890-1666-18	EX-1R	Solid	12/01/21 10:40	12/02/21 09:38	4
890-1666-19	EX-1S	Solid	12/01/21 10:44	12/02/21 09:38	4
890-1666-20	EX-1T	Solid	12/01/21 10:47	12/02/21 09:38	4
890-1666-21	EX-1U	Solid	12/01/21 10:50	12/02/21 09:38	4
890-1666-22	EX-1V	Solid	12/01/21 10:52	12/02/21 09:38	4
890-1666-23	EX-1W	Solid	12/01/21 10:55	12/02/21 09:38	4
890-1666-24	EX-1X	Solid	12/01/21 10:59	12/02/21 09:38	4
890-1666-25	EX-1Y	Solid	12/01/21 11:03	12/02/21 09:38	4
890-1666-26	EX-1Z	Solid	12/01/21 11:06	12/02/21 09:38	4
890-1666-27	EX-1AA	Solid	12/01/21 11:10	12/02/21 09:38	4
890-1666-28	EX-1BB	Solid	12/01/21 11:13	12/02/21 09:38	4
890-1666-29	EX-1CC	Solid	12/01/21 11:17	12/02/21 09:38	4
890-1666-30	EX-1DD	Solid	12/01/21 11:20	12/02/21 09:38	4
890-1666-31	EX-1 W1	Solid	12/01/21 11:23	12/02/21 09:38	4
890-1666-32	EX-1 W2	Solid	12/01/21 11:27	12/02/21 09:38	4
890-1666-33	EX-1 W3	Solid	12/01/21 11:30	12/02/21 09:38	4
890-1666-34	EX-1 W4	Solid	12/01/21 11:33	12/02/21 09:38	4
890-1666-35	EX-1 W5	Solid	12/01/21 11:36	12/02/21 09:38	4
890-1666-36	EX-1 W6	Solid	12/01/21 11:40	12/02/21 09:38	4
890-1666-37	EX-1 W7	Solid	12/01/21 11:43	12/02/21 09:38	4
890-1666-38	EX-2A	Solid	12/01/21 12:09	12/02/21 09:38	4
890-1666-39	EX-2B	Solid	12/01/21 12:12	12/02/21 09:38	4
890-1666-40	EX-2C	Solid	12/01/21 12:14	12/02/21 09:38	4
890-1666-41	EX-2D	Solid	12/01/21 12:17	12/02/21 09:38	4
890-1666-42	EX-2E	Solid	12/01/21 12:20	12/02/21 09:38	4
890-1666-43	EX-2F	Solid	12/01/21 12:22	12/02/21 09:38	4
890-1666-44	EX-2G	Solid	12/01/21 12:25	12/02/21 09:38	4
890-1666-45	EX-2H	Solid	12/01/21 12:28	12/02/21 09:38	4
890-1666-46	EX-2I	Solid	12/01/21 12:30	12/02/21 09:38	4
890-1666-47	EX-2J	Solid	12/01/21 12:33	12/02/21 09:38	4
890-1666-48	EX-2K	Solid	12/01/21 12:36	12/02/21 09:38	4
890-1666-49	EX-2L	Solid	12/01/21 12:39	12/02/21 09:38	4
890-1666-50	EX-2M	Solid	12/01/21 12:41	12/02/21 09:38	4
890-1666-51	EX-2N	Solid	12/01/21 12:43	12/02/21 09:38	4
890-1666-52	EX-2O	Solid	12/01/21 12:46	12/02/21 09:38	4
890-1666-53	EX-2P	Solid	12/01/21 12:49	12/02/21 09:38	4
890-1666-54	EX-2Q	Solid	12/01/21 12:52	12/02/21 09:38	4
890-1666-55	EX-2R	Solid	12/01/21 12:54	12/02/21 09:38	4

Sample Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1666-56	EX-2S	Solid	12/01/21 12:57	12/02/21 09:38	4
890-1666-57	EX-2T	Solid	12/01/21 13:00	12/02/21 09:38	4
890-1666-58	EX-2U	Solid	12/01/21 13:03	12/02/21 09:38	4
890-1666-59	EX-2 W1	Solid	12/01/21 13:05	12/02/21 09:38	4
890-1666-60	EX-2 W2	Solid	12/01/21 13:08	12/02/21 09:38	4
890-1666-61	EX-2 W3	Solid	12/01/21 13:11	12/02/21 09:38	4
890-1666-62	EX-2 W4	Solid	12/01/21 13:14	12/02/21 09:38	4
890-1666-63	EX-2 W5	Solid	12/01/21 13:17	12/02/21 09:38	4
890-1666-64	EX-3A	Solid	12/01/21 13:35	12/02/21 09:38	4
890-1666-65	EX-3B	Solid	12/01/21 13:37	12/02/21 09:38	4
890-1666-66	EX-3C	Solid	12/01/21 13:40	12/02/21 09:38	4
890-1666-67	EX-3D	Solid	12/01/21 13:42	12/02/21 09:38	4
890-1666-68	EX-3E	Solid	12/01/21 13:45	12/02/21 09:38	4
890-1666-69	EX-3F	Solid	12/01/21 13:47	12/02/21 09:38	4
890-1666-70	EX-3G	Solid	12/01/21 13:49	12/02/21 09:38	4
890-1666-71	EX-3H	Solid	12/01/21 13:52	12/02/21 09:38	4
890-1666-72	EX-3I	Solid	12/01/21 13:55	12/02/21 09:38	4
890-1666-73	EX-3J	Solid	12/01/21 13:57	12/02/21 09:38	4
890-1666-74	EX-3K	Solid	12/01/21 14:00	12/02/21 09:38	4
890-1666-75	EX-3L	Solid	12/01/21 14:02	12/02/21 09:38	4
890-1666-76	EX-3M	Solid	12/01/21 14:06	12/02/21 09:38	4
890-1666-77	EX-3N	Solid	12/01/21 14:10	12/02/21 09:38	4
890-1666-78	EX-3O	Solid	12/01/21 14:12	12/02/21 09:38	4
890-1666-79	EX-3P	Solid	12/01/21 14:15	12/02/21 09:38	4
890-1666-80	EX-3Q	Solid	12/01/21 14:18	12/02/21 09:38	4
890-1666-81	EX-3R	Solid	12/01/21 14:21	12/02/21 09:38	4
890-1666-82	EX-3S	Solid	12/01/21 14:23	12/02/21 09:38	4
890-1666-83	EX-3T	Solid	12/01/21 14:26	12/02/21 09:38	4
890-1666-84	EX-3U	Solid	12/01/21 14:30	12/02/21 09:38	4
890-1666-85	EX-3V	Solid	12/01/21 14:33	12/02/21 09:38	4
890-1666-86	EX-3W	Solid	12/01/21 14:36	12/02/21 09:38	4
890-1666-87	EX-3X	Solid	12/01/21 14:40	12/02/21 09:38	4
890-1666-88	EX-3Y	Solid	12/01/21 14:43	12/02/21 09:38	4
890-1666-89	EX-3Z	Solid	12/01/21 14:46	12/02/21 09:38	4
890-1666-90	EX-3 W1	Solid	12/01/21 14:50	12/02/21 09:38	4
890-1666-91	EX-3 W2	Solid	12/01/21 14:53	12/02/21 09:38	4
890-1666-92	EX-3 W3	Solid	12/01/21 14:56	12/02/21 09:38	4
890-1666-93	EX-3 W4	Solid	12/01/21 14:59	12/02/21 09:38	4
890-1666-94	EX-3 W5	Solid	12/01/21 15:03	12/02/21 09:38	4
890-1666-95	EX-3 W6	Solid	12/01/21 15:07	12/02/21 09:38	4
890-1666-96	EX-3 W7	Solid	12/01/21 15:10	12/02/21 09:38	4
890-1666-97	EX-3 AA	Solid	12/01/21 15:17	12/02/21 09:38	4
890-1666-98	EX-3BB	Solid	12/01/21 15:20	12/02/21 09:38	4
890-1666-99	EX-4A	Solid	12/01/21 15:44	12/02/21 09:38	4
890-1666-100	EX-4B	Solid	12/01/21 15:47	12/02/21 09:38	4
890-1666-101	EX-4C	Solid	12/01/21 15:50	12/02/21 09:38	4
890-1666-102	EX-4D	Solid	12/01/21 15:52	12/02/21 09:38	4
890-1666-103	EX-4E	Solid	12/01/21 15:55	12/02/21 09:38	4
890-1666-104	EX-4F	Solid	12/01/21 15:58	12/02/21 09:38	4
890-1666-105	EX-4G	Solid	12/01/21 16:01	12/02/21 09:38	4
890-1666-106	EX-4H	Solid	12/01/21 16:03	12/02/21 09:38	4
890-1666-107	EX-4I	Solid	12/01/21 16:06	12/02/21 09:38	4
890-1666-108	EX-4J	Solid	12/01/21 16:08	12/02/21 09:38	4
890-1666-109	EX-4 W1	Solid	12/01/21 16:11	12/02/21 09:38	4
890-1666-110	EX-4 W2	Solid	12/01/21 16:13	12/02/21 09:38	4

Sample Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1666-1
SDG: 5198

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1666-111	EX-4 W3	Solid	12/01/21 16:17	12/02/21 09:38	4
890-1666-112	EX-4 W4	Solid	12/01/21 16:20	12/02/21 09:38	4
890-1666-113	EX-5A	Solid	12/01/21 16:25	12/02/21 09:38	4
890-1666-114	EX-5B	Solid	12/01/21 16:27	12/02/21 09:38	4
890-1666-115	EX-5C	Solid	12/01/21 16:30	12/02/21 09:38	4
890-1666-116	EX-5D	Solid	12/01/21 16:33	12/02/21 09:38	4
890-1666-117	EX-5E	Solid	12/01/21 16:36	12/02/21 09:38	4
890-1666-118	EX-5F	Solid	12/01/21 16:38	12/02/21 09:38	4
890-1666-119	EX-5G	Solid	12/01/21 16:41	12/02/21 09:38	4
890-1666-120	EX-5H	Solid	12/01/21 16:44	12/02/21 09:38	4
890-1666-121	EX-5I	Solid	12/01/21 16:46	12/02/21 09:38	4
890-1666-122	EX-5J	Solid	12/01/21 16:48	12/02/21 09:38	4
890-1666-123	EX-5K	Solid	12/01/21 16:50	12/02/21 09:38	4
890-1666-124	EX-5L	Solid	12/01/21 16:52	12/02/21 09:38	4
890-1666-125	EX-5 W1	Solid	12/01/21 16:55	12/02/21 09:38	4
890-1666-126	EX-5 W2	Solid	12/01/21 16:57	12/02/21 09:38	4
890-1666-127	EX-5 W3	Solid	12/01/21 16:59	12/02/21 09:38	4
890-1666-128	EX-5 W4	Solid	12/01/21 17:02	12/02/21 09:38	4
890-1666-129	EX-5 W5	Solid	12/01/21 17:05	12/02/21 09:38	4
890-1666-130	SS-1	Solid	12/01/21 17:10	12/02/21 09:38	4
890-1666-131	SS-2	Solid	12/01/21 17:12	12/02/21 09:38	4



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Chain of Custody

Work Order No: _____

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Project Manager:	Max Cook	Bill to: (if different)	EOG Resources, Inc.
Company Name:	Ranger Environmental	Company Name:	c/o Kevin Black
Address:	PO Box 20174	Address:	Champions Drive
City, State ZIP:	Austin, TX 78720	City, State ZIP:	Midland, TX 79706
Phone:	512-335-1785	Email:	max@rangerenv.com

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project: <u>New Mexico</u>
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☒ ADAPT ☐ Other: _____

Project Name:	Pass Draw 8	Turn Around	☒
Project Number:	5198	Routine	☒
Project Location:	Eddy County	Rush:	
Sampler's Name:	M. J. Cook	Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT	Temp Blank:	☒ Yes ☒ No	Wet Ice:	☒ Yes ☒ No
Temperature (°C):	2.0/1.8	Thermometer ID	TWN-007	
Received Intact:	☒ Yes ☒ No	Correction Factor:	-0.2	
Cooler Custody Seals:	☒ Yes ☒ No ☒ N/A	Total Containers:		
Sample Custody Seals:	Yes ☒ No ☒ N/A			

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	ANALYSIS REQUEST	Preservative Codes	Sample Comments
EX-1A			12/1/21	0450	4'	1	BTEX 8021	MeOH: Me	
EX-1B			12/1/21	0453	4'	1	TPH 8015	None: NO	
EX-1C			12/1/21	0456	4'	1	Chloride 300	HNO3: HN	
EX-1D			12/1/21	0459	4'	1		H2SO4: H2	
EX-1E			12/1/21	1002	4'	1		HCL: HL	
EX-1F			12/1/21	1005	4'	1		NaOH: Na	
EX-1G			12/1/21	1007	4'	1		Zn Acetate: NaOH: Zn	
EX-1H			12/1/21	1010	4'	1			
EX-1I			12/1/21	1013	4'	1			
EX-1J			12/1/21	1015	4'	1			
EX-1K			12/1/21	1015	4'	1			

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U 1631 / 245.1 / 7470 / 7471 : Hg

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		12-2-21 938			

Revised Date 02/20/19 Rev 2015.1



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Chain of Custody

Work Order No: _____

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Project Manager:	Max Cook	Bill to: (if different)	EDS Resources, Inc.
Company Name:	Range Environmental	Company Name:	c/o Kevin Black
Address:	PO Box 201179	Address:	Champions Drive
City, State ZIP:	Austin, TX 78730	City, State ZIP:	Midland, TX 79706
Phone:	512-335-1485	Email:	max@rangeenv.com

Program:	UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:	New Mexico
Reporting Level:	Level I ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables:	EDD ☒ ADAPT ☐ Other: _____

Project Name:	2455 View St	Turn Around	
Project Number:	5198	Routine	☒
Project Location:	Eddy County	Rush:	
Sampler's Name:	M. Cook	Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT	Temp Blank:	Yes	No	Wet Ice:	Yes	No
Temperature (°C):	Thermometer ID: _____					
Received Intact:	Yes ☒ No ☐					
Cooler Custody Seals:	Yes ☒ No ☐ N/A					
Sample Custody Seals:	Yes ☒ No ☐ N/A					
Correction Factor: _____						
Total Containers: _____						

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers
Ex-1 K			12/1/21	1018	4"	1
Ex-1 L			12/1/21	1021	4"	1
Ex-1 M			12/1/21	1025	4"	1
Ex-1 N			12/1/21	1027	4"	1
Ex-1 O			12/1/21	1030	4"	1
Ex-1 P			12/1/21	1033	4"	1
Ex-1 Q			12/1/21	1036	4"	1
Ex-1 R			12/1/21	1040	4"	1
Ex-1 S			12/1/21	1044	4"	1
Ex-1 T			12/1/21	1047	4"	1

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Cu Pb Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP/SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Cu Pb Mn Mo Ni Se Ag Ti U

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses or expenses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		12.2.21			

Revised Date 03/2019 Rev 2019.1



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Phoenix AZ (480) 355-0900 Atlanta GA (770) 449-8800 Tampa FL (813) 820-2000 West Palm Beach FL (561) 689-6701

Chain of Custody

Work Order No: _____

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Project Manager:	Max Cook	Bill to: (if different)	ED6 Resources, Inc.
Company Name:	Ranger Environmental	Company Name:	c/o Kern Black
Address:	PO Box 20179	Address:	Cloudways Private
City, State ZIP:	Austin, TX 78725	City, State ZIP:	Midland, TX 79706
Phone:	512-335-1785	Email:	max@rangerenv.com

ANALYSIS REQUEST

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project: New Mexico
Reporting Level: ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☒ ADAPT ☐ Other: _____

Project Name:	Ranger Draw 3	Turn Around	Pres. Code
Project Number:	5192	Routine	☒
Project Location:	Eddy County	Rush:	
Sampler's Name:	W. Cook	Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT	Temperature (°C):	Temp Blank:	Yes	No	Thermometer ID
	Received Intact:	Yes	No		
	Cooler Custody Seals:	Yes	No	N/A	Correction Factor:
	Sample Custody Seals:	Yes	No	N/A	Total Containers:

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	ANALYSIS REQUEST	Preservative Codes
EX-1 U			12/1/21	1050	4'	1	BTEX 8021	MeOH: Me
EX-1 V			12/1/21	1052	4'	1	TPH 8015	None: NO
EX-1 W			12/1/21	1055	4'	1	Chloride 300	HNO3: HN
EX-1 X			12/1/21	1059	4'	1		H2SO4: H2
EX-1 Y			12/4/21	1103	4'	1		HCL: HL
EX-1 Z			12/1/21	1106	4'	1		NaOH: Na
EX-1 AA			12/1/21	1110	4'	1		Zn Acetate+ NaOH: Zn
EX-1 BB			12/1/21	1113	4'	1		
EX-1 CC			12/1/21	1117	4'	1		
EX-1 DD			12/1/21	1120	4'	1		

Total 200.7 / 6010 200.8 / 6020: BRCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed: TCLP / SPLP 6010: BRCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U 1631 / 245, 1 / 7470 / 7471: Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		12.2.21			



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Phoenix, AZ (480) 355-0900 Atlanta, GA (770) 249-8800 Tampa, FL (813) 620-2000 West Palm Beach, FL (561) 689-6701

Chain of Custody

Work Order No: _____

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Project Manager:	Max Cook	Bill to: (if different)	EDC Resources, Inc.
Company Name:	Ranger Environmental	Company Name:	c/o Kevin Black
Address:	PO Box 201179	Address:	Champions Drive
City, State ZIP:	Austin, TX 78720	City, State ZIP:	Midland, TX 79706
Phone:	512-535-1785	Email:	max@rangerenv.com

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project: New Mexico
Reporting Level: I ☐ Level II ☐ Level III ☐ PST/UST ☐ TRAP ☐ Level IV ☐
Deliverables: EDD ☒ ADAPT ☐ Other: _____

Project Name:	Ross Draw 8	Turn Around	
Project Number:	5178	Routine	☒
Project Location:	Eddy County	Rush:	
Sampler's Name:	M. Cook	Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT	Temp Blank:	Yes	No	Metres:	Yes	No
Temperature (°C):				Thermometer ID		
Received Intact:	Yes	No				
Cooler Custody Seals:	Yes	No	N/A	Correction Factor:		
Sample Custody Seals:	Yes	No	N/A	Total Containers:		

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	ANALYSIS REQUEST	Preservative Codes
EX-1 W1			12/1/21	1123	4'	1	BTEX 8021	MeOH: Me
EX-1 W2			12/1/21	1127	4'	1	TPH 8015	None: NO
EX-1 W3			12/1/21	1130	4'	1	Chloride 300	HNO3: HN
EX-1 W4			12/1/21	1133	4'	1		H2SO4: H2
EX-1 W5			12/1/21	1136	4'	1		HCL: HL
EX-1 W6			12/1/21	1140	4'	1		NaOH: Na
EX-1 W7			12/1/21	1143	4'	1		Zn Acetate+ NaOH: Zn
EX-2 A			12/1/21	1204	4'	1		TAT starts the day received by the lab, if received by 4:00pm
EX-2 B			12/1/21	1212	4'	1		
EX-2 C			12/1/21	1214	4'	1		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U 1631 / 245.1 / 7470 / 7471 : Hg

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	Cloe GAY	12.2.21			

Revised Date 02/26/19 Rev 2019.1



Houston, TX (281) 240-4200 Dallas, TX (214) 802-0300 San Antonio, TX (210) 509-3334
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 Phoenix, AZ (480) 355-0900 Atlanta, GA (770) 449-8900 Tampa, FL (813) 620-2000 West Palm Beach, FL (561) 689-6701

Chain of Custody

Work Order No: _____

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Project Manager:	Max Cook	Bill to: (if different)	EDC Services Inc.
Company Name:	Ranger Environmental	Company Name:	5/6 Kevin Black
Address:	PO Box 201174	Address:	Chumpas Drive
City, State ZIP:	Austin, TX 78730	City, State ZIP:	Midland, TX 79706
Phone:	512-335-1785	Email:	max@rangerenv.com

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project: New Mexico
Reporting Level: I ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☒ ADAPT ☐ Other: _____

Project Name:	Ranger Draw 8	Turn Around	
Project Number:	5198	Routine	☒
Project Location:	Eddy County	Rush:	
Sampler's Name:	M. Cook	Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT	Temp Blank:	Yes	No	Well Ice:	Yes	No
Temperature (°C):				Thermometer ID		
Received Intact:	Yes	No				
Cooler Custody Seals:	Yes	No	N/A	Correction Factor:		
Sample Custody Seals:	Yes	No	N/A	Total Containers:		

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	ANALYSIS REQUEST	Preservative Codes	Sample Comments
Ex-2D			12/1/21	12:17	4'	1	BTEX 8021	MeOH: Me	
Ex-2E			12/1/21	12:20	4'	1	TPH 8015	None: NO	
Ex-2F			12/1/21	12:22	4'	1	Chloride 300	HNO3: HN	
Ex-2G			12/1/21	12:25	4'	1		H2SO4: H2	
Ex-2H			12/1/21	12:28	4'	1		HCL: HL	
Ex-2I			12/1/21	12:30	4'	1		NaOH: Na	
Ex-2J			12/1/21	12:33	4'	1		Zn Acetate+ NaOH: Zn	
Ex-2K			12/1/21	12:36	4'	1			
Ex-2L			12/1/21	12:39	4'	1			
Ex-2M			12/1/21	12:41	4'	1			

Total 200.7 / 6010 200.8 / 6020:

8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Pb Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn

1631 / 245.1 / 7470 / 7471 : Hg

Circle Method(s) and Metal(s) to be analyzed

TCPL / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U

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		12-2-21			

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Chain of Custody

Work Order No: _____

Project Manager:	Max Cook	Bill to: (if different)	EDC Resources, Inc.
Company Name:	Ranger Environmental	Company Name:	c/o Kevin Black
Address:	PO Box 201179	Address:	Campbell Drive
City, State ZIP:	Austin, TX 78720	City, State ZIP:	Midland, TX 79706
Phone:	512-335-1785	Email:	
Project Name:	Ross Drive	Turn Around	
Project Number:	5198	Routine	☒
Project Location:	Eddy County	Rush:	
Sample Name:	M. Cook	Due Date:	
PO #:		Quote #:	

Program: UST/PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project: New Mexico ☐
Reporting Level: I ☐ Level II ☐ Level III ☐ PST/UST ☐ TRAP ☐ Level IV ☐
Deliverables: EDD ☒ ADAPT ☐ Other: _____

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SAMPLE RECEIPT				ANALYSIS REQUEST				Preservative Codes	
Temperature (°C):	Temp Blank:	Yes	No	Wet/Leak:	Yes	No		MeOH: Me	
Received Intact:	Yes	No		Thermometer ID				None: NO	
Cooler Custody Seals:	Yes	No	N/A	Correction Factor:				HNO3: HN	
Sample Custody Seals:	Yes	No	N/A	Total Containers:				H2SO4: H2	
								HCL: HL	
								NaOH: Na	
								Zn Acetate+ NaOH: Zn	
								TAT starts the day received by the lab, if received by 4:00pm	
Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers		Sample Comments	
	Ex-2M		12/1/21	1243	4'	1	X	BTEX 8021	
	Ex-2O		12/1/21	1246	4'	1	X	TPH 8015	
	Ex-2P		12/1/21	1249	4'	1	X	Chloride 300	
	Ex-2Q		12/1/21	1252	4'	1	X		
	Ex-2R		12/1/21	1254	4'	1	X		
	Ex-2S		12/1/21	1257	4'	1	X		
	Ex-2T		12/1/21	1300	4'	1	X		
	Ex-2U		12/1/21	1303	4'	1	X		
	Ex-2W1		12/1/21	1305	4'	1	X		
	Ex-2W2		12/1/21	1308	4'	1	X		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn
 Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U 1631 / 245.1 / 7470 / 7471 : Hg

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		12-2-21			

Revised Date 02/26/19 Rev. 2019.1



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Chain of Custody

Work Order No: _____

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Project Manager:	Max Cook	Bill to: (if different)	EOB Resources, Inc.
Company Name:	Ranger Environmental	Company Name:	c/o Rain Black
Address:	PO Box 80179	Address:	Champions Drive
City, State ZIP:	Austin, TX 78730	City, State ZIP:	Midland, TX 79706
Phone:	512-335-1785	Email:	max@rangerenv.com

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project: New Mexico
Reporting Level: I ☐ Level II ☐ Level III ☐ PST/UST ☐ TRAP ☐ Level IV ☐
Deliverables: EDD ☒ ADAPT ☐ Other: _____

Project Name:	East Drive 8	Turn Around	Prep. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number:	5198	Routine	☒														MeOH: Me
Project Location:	Eddy County	Rush:															None: NO
Sampler's Name:	M. Cook	Due Date:															HNO3: HN
PO #:		Quote #:															H2SO4: H2
																	HCL: HL
																	NaOH: Na
																	Zn Acetate+ NaOH: Zn

SAMPLE RECEIPT		Temp Blank:	Yes	No	Well Used:	Yes	No
Temperature (°C):		Thermometer ID					
Received Intact:	Yes	No					
Cooler Custody Seals:	Yes	No	N/A	Correction Factor:			
Sample Custody Seals:	Yes	No	N/A	Total Containers:			

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers													Sample Comments
EX-2 W3			12/1/21	13:11	4'	1	X	X	X	X	X	X	X	X	X	X	X	X	BTX 8021
EX-2 W4			12/1/21	13:14	4'	1	X	X	X	X	X	X	X	X	X	X	X	X	TPH 8015
EX-2 W5			12/1/21	13:17	4'	1	X	X	X	X	X	X	X	X	X	X	X	X	Chloride 300
EX-3 A			12/1/21	13:35	4'	1	X	X	X	X	X	X	X	X	X	X	X	X	
EX-3 B			12/1/21	13:37	4'	1	X	X	X	X	X	X	X	X	X	X	X	X	
EX-3 C			12/1/21	13:40	4'	1	X	X	X	X	X	X	X	X	X	X	X	X	
EX-3 D			12/1/21	13:42	4'	1	X	X	X	X	X	X	X	X	X	X	X	X	
EX-3 E			12/1/21	13:45	4'	1	X	X	X	X	X	X	X	X	X	X	X	X	
EX-3 F			12/1/21	13:47	4'	1	X	X	X	X	X	X	X	X	X	X	X	X	
EX-3 G			12/1/21	13:49	4'	1	X	X	X	X	X	X	X	X	X	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed: TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U

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		12-2-21			



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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

Work Order No: _____

www.xenco.com Page 8 of 14

Project Manager:	Max Cool	Bill to: (if different)	EDS Resources, Inc.
Company Name:	Ranger Environmental	Company Name:	C/O Kevin Plack
Address:	PO Box 201179	Address:	Champion Drive
City/State/Zip:	Austin, TX 78720	City/State/Zip:	Midland, TX 79706
Phone:	512-335-1785	Email:	max@rangerenv.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project: New Mexico	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☒ ADAPT ☐ Other:	

Project Name:	Ross Drive 8	Turn Around	☒ Routine ☐ Rush
Project Number:	5198		
Project Location:	Eddy County	Due Date:	
Sampler's Name:	M. Cool	TAT starts the day received by the lab. If received by 4:30pm	
P.O. #:			

SAMPLE RECEIPT		Parameters	
Samples Received Intact:	Yes No	Thermometer ID:	Yes No
Cooler Custody Seals:	Yes No	Correction Factor:	Yes No
Sample Custody Seals:	Yes No	Temperature Reading:	
Total Containers:	Yes No	Corrected Temperature:	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	ANALYSIS REQUEST	Preservative Codes	Sample Comments
Ex-3 H		12/1/21	13:52	4'	C	1	BTEX 8021	None: NO	DI Water: H ₂ O
Ex-3 I		12/1/21	13:55	4'	C	1	TPH 805	Cool: Cool	MeOH: Me
Ex-3 J		12/1/21	13:57	4'	C	1	Chloride 300	HCL: HC	HNO ₃ : HN
Ex-3 K		12/1/21	14:00	4'	C	1		H ₂ SO ₄ : H ₂	NaOH: Na
Ex-3 L		12/1/21	14:02	4'	C	1		H ₂ PO ₄ : HP	
Ex-3 M		12/1/21	14:06	4'	C	1		NaHSO ₄ : NABIS	
Ex-3 N		12/1/21	14:10	4'	C	1		Na ₂ S ₂ O ₅ : NaSO ₅	
Ex-3 O		12/1/21	14:12	4'	C	1		Zn Acetate+NaOH: Zn	
Ex-3 P		12/1/21	14:15	4'	C	1		NaOH+Ascorbic Acid: SARC	
Ex-3 Q		12/1/21	14:18	4'	C	1			

Total 2007 / 6010 2008 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		12.2.21			



Environment Testing Xenco

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
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El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

Work Order No: _____

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Project Manager:	Max Cook	Bill to: (if different)	EDS Resources Inc.
Company Name:	Ranger Environmental	Company Name:	c/o Kevin Black
Address:	PO Box 201179	Address:	Chaparral Drive
City, State ZIP:	Austin, TX 78720	City, State ZIP:	Midland, TX 79706
Phone:	512-335-1785	Email:	max@rangerenv.com

Program:	UST/PT ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:	New Mexico
Reporting:	Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables:	EDD ☒ ADAPT ☐ Other: _____

Project Name:	Turn Around		Pret.	ANALYSIS REQUEST		Preservative Codes	
Project Number:	☒ Routine ☐ Rush	Due Date:				None: NO	DI Water: H ₂ O
Project Location:	TAT starts the day received by the lab, if received by 4:30pm					Cool: Cool	MeOH: Me
Sampler's Name:						HCL: HCl	HNO ₃ : HN
PO #:						H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No		H ₃ PO ₄ : HP	
Samples Received Intact:	Yes No	Thermonegative:	Yes No			NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes No	Correction:	Yes No			Na ₂ S ₂ O ₅ : NaSO ₂	
Sample Custody Seals:	Yes No	Temperature Reading:	Yes No			Zn Acetate+NaOH: Zn	
Total Containers:	Corrected Temperature:					NaOH+Ascorbic Acid: SAPC	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Sample Comments
EX-3R		12/1/21	1421	4'	C	1	BTEX 8021	
EX-3S		12/1/21	1423	4'	C	1	TPH 8015	
EX-3T		12/1/21	1426	4'	C	1	Cubride 300	
EX-3U		12/1/21	1430	4'	C	1		
EX-3V		12/1/21	1433	4'	C	1		
EX-3W		12/1/21	1436	4'	C	1		
EX-3X		12/1/21	1440	4'	C	1		
EX-3Y		12/1/21	1443	4'	C	1		
EX-3Z		12/1/21	1446	4'	C	1		
EX-3W1		12/1/21	1450	4'	C	1		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		12.2.21			



Environment Testing Xenco

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Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

Work Order No: _____

www.xenco.com Page 10 of 14

Project Manager:	Max Cook	Bill to: (if different)	EOB Resources Inc.
Company Name:	Ranger Environmental	Company Name:	c/o Kevin Black
Address:	PO Box 201179	Address:	Champions Drive
City, State ZIP:	Austin, TX 78720	City, State ZIP:	Midland, TX 79706
Phone:	512-335-1785	Email:	max@rangerenv.com

Work Order Comments	
Program:	UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:	New Mexico
Reporting:	Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables:	EDD ☒ ADAPT ☐ Other: _____

Project Name:	Boys Draw 8	Turn Around	☒ Routine ☐ Rush
Project Number:	5198	Due Date:	
Project Location:	Eddy County	TAT starts the day received by the lab, if received by 4:30pm	
Sample Name:	M. Cook		
PO #:			

Parameters
BTEX 8021
TPH 8015
Chloride 300

ANALYSIS REQUEST	
None: NO	DI Water: H ₂ O
Cool: Cool	MeOH: Me
HCL: HCL	HNO ₃ : HN
H ₂ SO ₄ : H ₂	NaOH: Na
H ₃ PO ₄ : HP	
NaHSO ₄ : NABIS	
Na ₂ S ₂ O ₅ : NaSO ₃	
Zn Acetate+NaOH: Zn	
NaOH+Ascorbic Acid: SARC	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont																	Sample Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
EX-3 WA		12/1/21	1453	4'	C	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP/SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Notes: Signature of this document and relinquishment of sample constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

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		12-2-21			



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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

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Project Manager:	Max Cook	Bill to: (if different)	EOG Resources, Inc.
Company Name:	Rayner Environmental	Company Name:	46 Kevin Black
Address:	PO Box 201179	Address:	Champions Drive
City, State ZIP:	Austin, TX 78720	City, State ZIP:	Midland, TX 79706
Phone:	512 335 1785	Email:	max@raynerenv.com

Work Order Comments	
Program:	UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:	Blue Maries
Reporting:	Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables:	EDD ☒ ADAPT ☐ Other: _____

Project Name:	Pass Draw 8	Turn Around	☒ Routine ☐ Rush
Project Number:	5198	Due Date:	
Project Location:	Eddy County	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	M. J Cook		
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer:	Yes No	
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Temperature Reading:		
Total Containers:		Corrected Temperature:		

Parameters	BT EX 8021	TPH 8015	Chloride 300

Preservative Codes	None: NO	DI Water: H ₂ O
	Cool: Cool	MeOH: Me
	HCL: HCl	HNO ₃ : HN
	H ₂ SO ₄ : H ₂	NaOH: Na
	H ₃ PO ₄ : HP	
	NaHSO ₄ : NABIS	
	Na ₂ S ₂ O ₅ : NaSO ₃	
	Zn Acetate+NaOH: Zn	
	NaOH+Ascorbic Acid: SAPC	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	ANALYSIS REQUEST	Sample Comments
Ex-4C		12/1/21	1550	4'	C	1	BT EX 8021		
Ex-4D		12/1/21	1552	4'	C	1	TPH 8015		
Ex-4E		12/1/21	1555	4'	C	1	Chloride 300		
Ex-4F		12/1/21	1558	4'	C	1			
Ex-4G		12/1/21	1601	4'	C	1			
Ex-4H		12/1/21	1603	4'	C	1			
Ex-4I		12/1/21	1605	4'	C	1			
Ex-4J		12/1/21	1608	4'	C	1			
Ex-4K		12/1/21	1611	4'	C	1			
Ex-4L		12/1/21	1613	4'	C	1			

Total 2007 / 6010 2008 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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		12-2-21			



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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

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Page

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Project Manager:	Max Cook	Bill to: (if different)	ED & Resources, Inc.
Company Name:	Trayer Environmental	Company Name:	46 Kevin Black
Address:	PO Box 201174	Address:	Champions Drive
City, State ZIP:	Austin, TX 78720	City, State ZIP:	Midland, TX 79706
Phone:	512-335-1785	Email:	max@trayer-env.com

Program:	UST/PST	PRP	Brownfields	RRC	Superfund
State of Project:	NJ	TX	CA	FL	IL
Reporting:	Level II	Level III	PST/UST	TRRP	Level IV
Deliverables:	EDD	ADAPT	Other:		

Project Name:	Test Drive B	Turn Around	☒ Routine	☐ Rush	Prep Code																																				
Project Number:	5198	Due Date:																																							
Project Location:	Eddy County	TAT starts the day received by the lab, if received by 4:30pm																																							
Sampler's Name:	M. Cook																																								
P.O. #:																																									
<table border="1"> <tr> <th>SAMPLE RECEIPT</th> <th>Temp Blank:</th> <th>Yes</th> <th>No</th> <th>Wet Ice:</th> <th>Yes</th> <th>No</th> </tr> <tr> <td>Samples Received Inact:</td> <td>Yes</td> <td>No</td> <td>Thermomixer:</td> <td>Yes</td> <td>No</td> <td></td> </tr> <tr> <td>Cooler Custody Seals:</td> <td>Yes</td> <td>No</td> <td>Correction Factor:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Sample Custody Seals:</td> <td>Yes</td> <td>No</td> <td>Temperature Reading:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Total Containers:</td> <td></td> <td></td> <td>Corrected Temperature:</td> <td></td> <td></td> <td></td> </tr> </table>							SAMPLE RECEIPT	Temp Blank:	Yes	No	Wet Ice:	Yes	No	Samples Received Inact:	Yes	No	Thermomixer:	Yes	No		Cooler Custody Seals:	Yes	No	Correction Factor:				Sample Custody Seals:	Yes	No	Temperature Reading:				Total Containers:			Corrected Temperature:			
SAMPLE RECEIPT	Temp Blank:	Yes	No	Wet Ice:	Yes	No																																			
Samples Received Inact:	Yes	No	Thermomixer:	Yes	No																																				
Cooler Custody Seals:	Yes	No	Correction Factor:																																						
Sample Custody Seals:	Yes	No	Temperature Reading:																																						
Total Containers:			Corrected Temperature:																																						

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes	Sample Comments
EX-4W3		12/1/21	16:17	4'	C	1	BTX 8021		None: NO	
EX-4W4		12/1/21	16:30	4'	C	1	YPH 8015		DI Water: H2O	
EX-5A		12/1/21	16:25	4'	C	1	Chloride 300		Cool: Cool	
EX-5B		12/1/21	16:27	4'	C	1			HCL: HC	
EX-5C		12/1/21	16:30	4'	C	1			H2SO4: H2	
EX-5D		12/1/21	16:35	4'	C	1			H3PO4: HP	
EX-5E		12/1/21	16:36	4'	C	1			NaHSO4: NABIS	
EX-5F		12/1/21	16:38	4'	C	1			Na2S2O8: NASO	
EX-5G		12/1/21	16:41	4'	C	1			Zn Acetate+NaOH: Zn	
EX-5H		12/1/21	16:44	4'	C	1			NaOH+Ascorbic Acid: SACP	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP/SLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Notes: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

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		12-21-21			



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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

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Page

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Project Manager:	Max Cook	Bill to: (if different)	EDT Resources, Inc.
Company Name:	Tanger Environmental	Company Name:	c/o Kevin Black
Address:	PO Box 20174	Address:	Champions Drive
City/State/Zip:	Austin, TX 78720	City/State/Zip:	Midland, TX 79706
Phone:	512-334-1785	Email:	maxe.muger@tangerenv.com

Program:	US/PTST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:	NEW Mexico
Reporting:	Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables:	EDD ☒ ADAPT ☐ Other: _____

Project Name:	Boys Town B	Turn Around	_____
Project Number:	5198	☒ Routine ☐ Rush	_____
Project Location:	Eddy County	Due Date:	_____
Sampler's Name:	M. Cook	TAT starts the day received by the lab, if received by 4:30pm	
P.O. #:	_____	_____	

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer:	Yes No	_____
Cooler Custody Seals:	Yes No N/A	Correction Factor:	_____	_____
Sample Custody Seals:	Yes No N/A	Temperature Reading:	_____	_____
Total Containers:	_____	Corrected Temperature:	_____	_____

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters
Ex-51		12/1/21	1646	4'	C	1	BTEX 8021
Ex-5J		12/1/21	1648	4'	C	1	TPH 8015
Ex-5K		12/1/21	1650	4'	C	1	Chloride 300
Ex-5L		12/1/21	1652	4'	C	1	
Ex-5W1		12/1/21	1655	4'	C	1	
Ex-5W2		12/1/21	1657	4'	C	1	
Ex-5W3		12/1/21	1659	4'	C	1	
Ex-5W4		12/1/21	1702	4'	C	1	
Ex-5W5		12/1/21	1705	4'	C	1	
SS-1		12/1/21	1710	4'	C	1	

ANALYSIS REQUEST	Preservative Codes
None: NO	DI Water: H ₂ O
Cool: Cool	MeOH: Me
HCL: HCL	HNO ₃ : HN
H ₂ SO ₄ : H ₂	NaOH: Na
H ₃ PO ₄ : HP	
NaHSO ₄ : NABIS	
Na ₂ S ₂ O ₈ : NaSO ₃	
Zn Acetate+NaOH: Zn	
NaOH+Ascorbic Acid: SAPC	

Sample Comments	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SIO₂ Na Sr Ti Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed: TCPL/SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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		12-2-21			



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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

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Work Order No:

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Project Manager:	Max Cook	Bill to: (if different)	EOG Resources Inc.
Company Name:	Ranger Eavinsmetal	Company Name:	46 Kevin Black
Address:	PO Box 201179	Address:	Champions Drive
City, State ZIP:	Austin, TX 78720	City, State ZIP:	Mt Pleasant, TX 79706
Phone:	512-335-1765	Email:	max@rangerenv.com

Work Order Comments	
Program:	☐ US/PSI ☐ PRR ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:	<i>New Mexico</i>
Reporting:	Level II ☐ Level III ☐ PSI/UST ☐ TRRP ☐ Level IV ☐
Deliverables:	EDD ☒ ADAPT ☐ Other:

[illegible]

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- 12
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- 14

CP Cole-Pomer **CUSTODY SEAL**
Person Collecting Sample _____
Date Collected _____ Sample No. _____
Time Collected _____

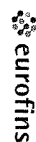
CP Cole-Pomer **CUSTODY SEAL**
Person Collecting Sample _____
Date Collected _____ Sample No. _____
Time Collected _____

CP Cole-Pomer **CUSTODY SEAL**
Person Collecting Sample _____
Date Collected _____ Sample No. _____
Time Collected _____

CP Cole-Pomer **CUSTODY SEAL**
Person Collecting Sample _____
Date Collected _____ Sample No. _____
Time Collected _____

1089 N Canal St
Carlsbad NIM 88220
Phone. 575-988-3199 Fax 575-988-3199

Chain of Custody Record



Environment Testing America

Client Information (Sub Contract Lab)						Sampler	Lab PM	Carter Tracking No(s)	CCC No.							
Client Contact:						Taylor Holly			890-533-1							
Shipping/Receiving						E-Mail	taylor@eurofinset.com	State of Origin	Page:							
Company						Holly Taylor	New Mexico		Page 1 of 15							
Address:						Accreditations Required (See note):			Job #:							
City						NELAP - Louisiana, NELAP - Texas			890-1666-1							
Midland																
State Zip:																
TX, 79701																
Phone																
432-704-5440(Tel)																
Email																
Project Name:																
Ross Draw 8																
Site:																
SSOW#																
Sample Identification - Client ID (Lab ID)																
EX-1A (890-1666-1)						Sample Date	Sample Time	Sample Type (G=grab)	Matrix (W=water, S=solid, O=oils/sludge, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Analysis Requested	Total Number of containers	Special Instructions/Note.		
EX-1B (890-1666-2)						12/1/21	09 50	Mountain	Solid	X	X	X	X	X	1	
EX-1C (890-1666-3)						12/1/21	09 53	Mountain	Solid	X	X	X	X	X	1	
EX-1D (890-1666-4)						12/1/21	09 56	Mountain	Solid	X	X	X	X	X	1	
EX-1E (890-1666-5)						12/1/21	09 59	Mountain	Solid	X	X	X	X	X	1	
EX-1F (890-1666-6)						12/1/21	10 02	Mountain	Solid	X	X	X	X	X	1	
EX-1G (890-1666-7)						12/1/21	10 05	Mountain	Solid	X	X	X	X	X	1	
EX-1H (890-1666-8)						12/1/21	10 07	Mountain	Solid	X	X	X	X	X	1	
EX-1I (890-1666-9)						12/1/21	10 10	Mountain	Solid	X	X	X	X	X	1	
EX-1J (890-1666-9)						12/1/21	10 13	Mountain	Solid	X	X	X	X	X	1	
Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Xenco LLC.																
Possible Hazard Identification																
Unconfirmed																
Deliverable Requested I, II, III IV Other (specify) Primary Deliverable Rank 2																
Empty Kit Relinquished by																
Relinquished by Clue GY 12-2-21 Date/Time Company																
Relinquished by Date/Time Company																
Relinquished by Date/Time Company																
Cooler Temperature(s) °C and Other Remarks: 1/6/17																
Custody Seals Intact Custody Seal No																
Δ Yes Δ No																

1089 N Canal St.
Carlsbad NIM 88220
Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record

Client Information (Sub Contract Lab)						Sampler	Lab PM	Carrier Tracking No(s)	COC No									
Shipping/Receiving						Phone:	Taylor Holly		890-533 2									
Company Eurofins Xenco						E-Mail holly.taylor@eurofinset.com		State of Origin New Mexico	Page 2 of 15									
Address 1211 W Florida Ave						Accreditations Required (See note): NELAP - Louisiana NELAP - Texas			Job #: 890-1666-1									
City Midland						Due Date Requested 12/8/2021												
State Zip TX 79701						TAT Requested (days):												
Phone: 432-704-5440(Tel)						PO #:												
Email						WO #:												
Project Name Ross Draw 8						Project # 89000029												
Site						SSOW#:												
Sample Identification - Client ID (Lab ID)						Sample Date	Sample Time	Sample Type (C=Comp, G=grab) BT-Tissue, AA-Air	Matrix (W=Water S=solid, O=wastefill)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8015MOD_Calc	300_ORGFMM_28D/DI_LEACH Chloride	8021B/5035FP_Calc (MOD) BTEX	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note.
EX-1J (890-1666-10)						12/1/21	10 15	Mountain	Solid	X	X	X	X	X	X	X	1	
EX-1K (890-1666-11)						12/1/21	10 18	Mountain	Solid	X	X	X	X	X	X	X	1	
EX-1L (890-1666-12)						12/1/21	10 21	Mountain	Solid	X	X	X	X	X	X	X	1	
EX-1M (890-1666-13)						12/1/21	10 25	Mountain	Solid	X	X	X	X	X	X	X	1	
EX-1N (890-1666-14)						12/1/21	10 27	Mountain	Solid	X	X	X	X	X	X	X	1	
EX-1O (890-1666-15)						12/1/21	10 30	Mountain	Solid	X	X	X	X	X	X	X	1	
EX-1P (890-1666-16)						12/1/21	10 33	Mountain	Solid	X	X	X	X	X	X	X	1	
EX-1Q (890-1666-17)						12/1/21	10 36	Mountain	Solid	X	X	X	X	X	X	X	1	
EX-1R (890-1666-18)						12/1/21	10 40	Mountain	Solid	X	X	X	X	X	X	X	1	
Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/method being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Xenco LLC.																		
Possible Hazard Identification																		
Unconfirmed																		
Deliverable Requested I II III IV Other (specify)																		
Primary Deliverable Rank 2																		
Special Disposal (A fee may be assessed if samples are retained longer than 1 month)																		
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months																		
Special Instructions/QC Requirements																		
Empty Kit Relinquished by																		
Relinquished by																		
Relinquished by																		
Relinquished by																		
Custody Seals Intact.																		
Custody Seal No																		
A Yes A No																		

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Eurofins Xenco, Carlsbad

1089 N Canal St.
Carlsbad NM 88220
Phone: 575-988-3199 Fax 575-988-3199

Chain of Custody Record



Environment Testing
America

Client Information (Sub Contract Lab)		Sampler		Lab PM		Carrier Tracking No(s)		COC No.																			
Client Contact:		Phone:		Taylor Holly				890-533-3																			
Shipping/Receiving		E-Mail		holly.taylor@eurofins.com		State of Origin		Page 3 of 15																			
Company		Eurofins Xenco		NEAAP - Louisiana		NEAAP - Texas		Job #																			
Address		1211 W Florida Ave		Due Date Requested		12/8/2021		890-1666-1																			
City		Midland		TAT Requested (days):																							
State, Zip		TX, 79701		PO #																							
Phone		432-704-5440(Tel)		WO #																							
Email				Project #		89000029																					
Project Name		Ross Draw 8		SSOW#																							
Site																											
Sample Identification - Client ID (Lab ID)				Sample Date		Sample Time		Sample Type (G=Comp, BT=Tissue, A=Air)		Matrix (V=Water, S=Solid, O=Organic, A=Air)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Analysis Requested		Preservation Codes		Special Instructions/Note:							
EX-1S (890-1666-19)				12/1/21		10 44		Mountain		Solid		X		X		X		X		X		Total Number of containers		1			
EX-1T (890-1666-20)				12/1/21		10 47		Mountain		Solid		X		X		X		X		X		1					
EX-1U (890-1666-21)				12/1/21		10 50		Mountain		Solid		X		X		X		X		X		1					
EX-1V (890-1666-22)				12/1/21		10 52		Mountain		Solid		X		X		X		X		X		1					
EX-1W (890-1666-23)				12/1/21		10 55		Mountain		Solid		X		X		X		X		X		1					
EX-1X (890-1666-24)				12/1/21		10 59		Mountain		Solid		X		X		X		X		X		1					
EX-1Y (890-1666-25)				12/1/21		11 03		Mountain		Solid		X		X		X		X		X		1					
EX-1Z (890-1666-26)				12/1/21		11 06		Mountain		Solid		X		X		X		X		X		1					
EX-1AA (890-1666-27)				12/1/21		11 10		Mountain		Solid		X		X		X		X		X		1					
Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Xenco LLC.																											
Possible Hazard Identification		Unconfirmed		Deliverable Requested I II III IV Other (specify)		Primary Deliverable Rank 2		Special Instructions/QC Requirements		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		☐ Return To Client		☐ Disposal By Lab		☐ Archive For		Months									
Empty Kit Relinquished by		Date/Time		Date		Time		Method of Shipment		Received by		Date/Time		Company													
Relinquished by		Date/Time		Date/Time		Date/Time		Date/Time		Received by		Date/Time		Company													
Relinquished by		Date/Time		Date/Time		Date/Time		Date/Time		Received by		Date/Time		Company													
Custody Seals Intact:		Custody Seal No		Cooler Temperature(s) °C and Other Remarks.																							
A Yes A No																											

Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 890-1666-1

SDG Number: 5198

Login Number: 1666**List Number: 1****Creator: Clifton, Cloe****List Source: Eurofins Xenco, Carlsbad**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 890-1666-1

SDG Number: 5198

Login Number: 1666**List Number: 2****Creator: Kramer, Jessica****List Source: Eurofins Xenco, Midland****List Creation: 12/03/21 12:45 PM**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing America

ANALYTICAL REPORT

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-1834-1
Laboratory Sample Delivery Group: 5198
Client Project/Site: Ross Draw 8
Revision: 1

For:
Ranger Environmental Services, Inc
PO BOX 201179
Austin, Texas 78729

Attn: Will Kierdorf

A handwritten signature in black ink that reads "Holly Taylor".

Authorized for release by:
1/25/2022 5:50:12 PM

Holly Taylor, Project Manager
(806)794-1296
holly.taylor@eurofinset.com

LINKS

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results through
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www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Laboratory Job ID: 890-1834-1
SDG: 5198

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Definitions/Glossary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1834-1
SDG: 5198

Qualifiers

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Eurofins Carlsbad

Case Narrative

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1834-1
SDG: 5198

Job ID: 890-1834-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-1834-1

Comments

No additional comments.

Revision

The report being provided is a revision of the original report sent on 1/18/2022. The report (revision 1) is being revised due to: Per client request, 01/19/22 added TPH 8015 and BTEX 8021 on a standard TAT.

Receipt

The samples were received on 1/14/2022 2:30 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 23.8° C.

GC VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA

Method 8015B NM: The sample size used in the preparation of the matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 880-17347 and analytical batch 880-17443 was outside the 10% difference. As the relative percent difference (RPD) calculation is based upon the MS/MSD concentration as opposed to the MS/MSD percent recovery, elevated %RPD values were obtained.

Method 8015B NM: The diesel range hydrocarbons were biased high on the CCV, however, since another CCV was analyzed and acceptable within 12 hours the data was qualified and reported.

(CCV 880-17443/73)

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: SS SOUTHWEST (890-1834-2), SS NORTHWEST (890-1834-3), SS NORTH (890-1834-4) and (890-1834-A-1-F MS). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1834-1
SDG: 5198

Client Sample ID: SS SOUTH

Lab Sample ID: 890-1834-1

Date Collected: 01/14/22 11:33

Matrix: Solid

Date Received: 01/14/22 14:30

Sample Depth: 3 - 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg	-	01/19/22 10:00	01/20/22 12:41	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg	-	01/19/22 10:00	01/20/22 12:41	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg	-	01/19/22 10:00	01/20/22 12:41	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg	-	01/19/22 10:00	01/20/22 12:41	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg	-	01/19/22 10:00	01/20/22 12:41	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg	-	01/19/22 10:00	01/20/22 12:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	01/19/22 10:00	01/20/22 12:41	1
1,4-Difluorobenzene (Surr)	114		70 - 130	01/19/22 10:00	01/20/22 12:41	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg	-		01/25/22 11:51	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	28.2	J	49.9	15.0	mg/Kg	-		01/24/22 16:43	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	28.2	J B	49.9	15.0	mg/Kg	-	01/20/22 10:33	01/22/22 08:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U F2	49.9	15.0	mg/Kg	-	01/20/22 10:33	01/22/22 08:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg	-	01/20/22 10:33	01/22/22 08:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130	01/20/22 10:33	01/22/22 08:19	1
o-Terphenyl	70		70 - 130	01/20/22 10:33	01/22/22 08:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.1		5.05	0.867	mg/Kg	-		01/17/22 23:07	1

Client Sample ID: SS SOUTHWEST

Lab Sample ID: 890-1834-2

Date Collected: 01/14/22 11:40

Matrix: Solid

Date Received: 01/14/22 14:30

Sample Depth: 3 - 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg	-	01/19/22 10:00	01/20/22 16:34	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg	-	01/19/22 10:00	01/20/22 16:34	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg	-	01/19/22 10:00	01/20/22 16:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg	-	01/19/22 10:00	01/20/22 16:34	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg	-	01/19/22 10:00	01/20/22 16:34	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg	-	01/19/22 10:00	01/20/22 16:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	01/19/22 10:00	01/20/22 16:34	1

Eurofins Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1834-1
SDG: 5198

Client Sample ID: SS SOUTHWEST

Lab Sample ID: 890-1834-2

Date Collected: 01/14/22 11:40

Matrix: Solid

Date Received: 01/14/22 14:30

Sample Depth: 3 - 4

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	103		70 - 130	01/19/22 10:00	01/20/22 16:34	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.00101	mg/Kg			01/25/22 11:51	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	24.8	J	49.9	15.0	mg/Kg			01/24/22 16:43	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	24.8	J B	49.9	15.0	mg/Kg		01/20/22 10:33	01/22/22 09:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		01/20/22 10:33	01/22/22 09:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		01/20/22 10:33	01/22/22 09:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130				01/20/22 10:33	01/22/22 09:24	1
o-Terphenyl	71		70 - 130				01/20/22 10:33	01/22/22 09:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	416		24.9	4.27	mg/Kg			01/17/22 23:32	5

Client Sample ID: SS NORTHWEST

Lab Sample ID: 890-1834-3

Date Collected: 01/14/22 11:50

Matrix: Solid

Date Received: 01/14/22 14:30

Sample Depth: 3 - 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000384	mg/Kg		01/19/22 10:00	01/20/22 16:54	1
Toluene	<0.00200	U	0.00200	0.000455	mg/Kg		01/19/22 10:00	01/20/22 16:54	1
Ethylbenzene	<0.00200	U	0.00200	0.000564	mg/Kg		01/19/22 10:00	01/20/22 16:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00101	mg/Kg		01/19/22 10:00	01/20/22 16:54	1
o-Xylene	<0.00200	U	0.00200	0.000343	mg/Kg		01/19/22 10:00	01/20/22 16:54	1
Xylenes, Total	<0.00399	U	0.00399	0.00101	mg/Kg		01/19/22 10:00	01/20/22 16:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	01/19/22 10:00	01/20/22 16:54	1
1,4-Difluorobenzene (Surr)	95		70 - 130	01/19/22 10:00	01/20/22 16:54	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00101	mg/Kg			01/25/22 11:51	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	42.3	J	50.0	15.0	mg/Kg			01/24/22 16:43	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1834-1
SDG: 5198

Client Sample ID: SS NORTHWEST

Lab Sample ID: 890-1834-3

Date Collected: 01/14/22 11:50

Matrix: Solid

Date Received: 01/14/22 14:30

Sample Depth: 3 - 4

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	42.3	J B	50.0	15.0	mg/Kg	-	01/20/22 10:33	01/22/22 09:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg	-	01/20/22 10:33	01/22/22 09:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg	-	01/20/22 10:33	01/22/22 09:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	63	S1-	70 - 130				01/20/22 10:33	01/22/22 09:46	1
o-Terphenyl	64	S1-	70 - 130				01/20/22 10:33	01/22/22 09:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.3		4.95	0.850	mg/Kg	-		01/17/22 23:40	1

Client Sample ID: SS NORTH

Lab Sample ID: 890-1834-4

Date Collected: 01/14/22 12:12

Matrix: Solid

Date Received: 01/14/22 14:30

Sample Depth: 3 - 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.000389	mg/Kg	-	01/19/22 10:00	01/20/22 17:15	1
Toluene	<0.00202	U	0.00202	0.000461	mg/Kg	-	01/19/22 10:00	01/20/22 17:15	1
Ethylbenzene	<0.00202	U	0.00202	0.000571	mg/Kg	-	01/19/22 10:00	01/20/22 17:15	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00102	mg/Kg	-	01/19/22 10:00	01/20/22 17:15	1
o-Xylene	<0.00202	U	0.00202	0.000347	mg/Kg	-	01/19/22 10:00	01/20/22 17:15	1
Xylenes, Total	<0.00404	U	0.00404	0.00102	mg/Kg	-	01/19/22 10:00	01/20/22 17:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				01/19/22 10:00	01/20/22 17:15	1
1,4-Difluorobenzene (Surr)	106		70 - 130				01/19/22 10:00	01/20/22 17:15	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	0.00102	mg/Kg	-		01/25/22 11:51	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	24.5	J	50.0	15.0	mg/Kg	-		01/24/22 16:43	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	24.5	J B	50.0	15.0	mg/Kg	-	01/20/22 10:33	01/22/22 10:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg	-	01/20/22 10:33	01/22/22 10:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg	-	01/20/22 10:33	01/22/22 10:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	59	S1-	70 - 130				01/20/22 10:33	01/22/22 10:08	1
o-Terphenyl	58	S1-	70 - 130				01/20/22 10:33	01/22/22 10:08	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1834-1
SDG: 5198

Client Sample ID: SS NORTH

Date Collected: 01/14/22 12:12

Date Received: 01/14/22 14:30

Sample Depth: 3 - 4

Lab Sample ID: 890-1834-4

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.2		5.04	0.865	mg/Kg			01/17/22 23:49	1

Client Sample ID: SS EAST

Date Collected: 01/14/22 12:19

Date Received: 01/14/22 14:30

Sample Depth: 3 - 4

Lab Sample ID: 890-1834-5

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000908	J	0.00201	0.000387	mg/Kg		01/19/22 10:00	01/20/22 17:35	1
Toluene	0.000777	J	0.00201	0.000459	mg/Kg		01/19/22 10:00	01/20/22 17:35	1
Ethylbenzene	<0.00201	U	0.00201	0.000568	mg/Kg		01/19/22 10:00	01/20/22 17:35	1
m-Xylene & p-Xylene	0.00151	J	0.00402	0.00102	mg/Kg		01/19/22 10:00	01/20/22 17:35	1
o-Xylene	0.000922	J	0.00201	0.000346	mg/Kg		01/19/22 10:00	01/20/22 17:35	1
Xylenes, Total	0.00243	J	0.00402	0.00102	mg/Kg		01/19/22 10:00	01/20/22 17:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				01/19/22 10:00	01/20/22 17:35	1
1,4-Difluorobenzene (Surr)	95		70 - 130				01/19/22 10:00	01/20/22 17:35	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00412		0.00402	0.00102	mg/Kg			01/25/22 11:51	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	21.5	J	49.9	15.0	mg/Kg			01/24/22 16:43	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	21.5	J B	49.9	15.0	mg/Kg		01/20/22 10:33	01/22/22 10:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		01/20/22 10:33	01/22/22 10:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		01/20/22 10:33	01/22/22 10:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				01/20/22 10:33	01/22/22 10:29	1
o-Terphenyl	74		70 - 130				01/20/22 10:33	01/22/22 10:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.0		4.99	0.857	mg/Kg			01/17/22 23:57	1

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Surrogate Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1834-1
SDG: 5198

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-10292-A-2-C MSD	Matrix Spike Duplicate	102	86
880-10292-A-2-F MS	Matrix Spike	115	102
890-1834-1	SS SOUTH	129	114
890-1834-2	SS SOUTHWEST	120	103
890-1834-3	SS NORTHWEST	113	95
890-1834-4	SS NORTH	114	106
890-1834-5	SS EAST	109	95
LCS 880-17131/1-A	Lab Control Sample	108	93
LCSD 880-17131/2-A	Lab Control Sample Dup	109	94
MB 880-17131/5-A	Method Blank	123	97
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-1834-1	SS SOUTH	72	70
890-1834-1 MS	SS SOUTH	59 S1-	58 S1-
890-1834-1 MSD	SS SOUTH	72	74
890-1834-2	SS SOUTHWEST	69 S1-	71
890-1834-3	SS NORTHWEST	63 S1-	64 S1-
890-1834-4	SS NORTH	59 S1-	58 S1-
890-1834-5	SS EAST	74	74
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO2 (70-130)	OTPH2 (70-130)
LCS 880-17347/2-A	Lab Control Sample	88	84
LCSD 880-17347/3-A	Lab Control Sample Dup	79	74
MB 880-17347/1-A	Method Blank	97	93
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1834-1
SDG: 5198

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-17131/5-A

Matrix: Solid

Analysis Batch: 17325

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 17131

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.000385	mg/Kg		01/19/22 07:30	01/20/22 11:10	1
Toluene	<0.00200	U	0.00200	0.000456	mg/Kg		01/19/22 07:30	01/20/22 11:10	1
Ethylbenzene	<0.00200	U	0.00200	0.000565	mg/Kg		01/19/22 07:30	01/20/22 11:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00101	mg/Kg		01/19/22 07:30	01/20/22 11:10	1
o-Xylene	<0.00200	U	0.00200	0.000344	mg/Kg		01/19/22 07:30	01/20/22 11:10	1
Xylenes, Total	<0.00400	U	0.00400	0.00101	mg/Kg		01/19/22 07:30	01/20/22 11:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	01/19/22 07:30	01/20/22 11:10	1
1,4-Difluorobenzene (Surr)	97		70 - 130	01/19/22 07:30	01/20/22 11:10	1

Lab Sample ID: LCS 880-17131/1-A

Matrix: Solid

Analysis Batch: 17325

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 17131

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09493		mg/Kg		95	70 - 130
Toluene	0.100	0.1015		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.09858		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.1931		mg/Kg		97	70 - 130
o-Xylene	0.100	0.09628		mg/Kg		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: LCSD 880-17131/2-A

Matrix: Solid

Analysis Batch: 17325

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 17131

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09424		mg/Kg		94	70 - 130	1	35
Toluene	0.100	0.09680		mg/Kg		97	70 - 130	5	35
Ethylbenzene	0.100	0.1024		mg/Kg		102	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1998		mg/Kg		100	70 - 130	3	35
o-Xylene	0.100	0.09640		mg/Kg		96	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-10292-A-2-C MSD

Matrix: Solid

Analysis Batch: 17325

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 17131

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0990	0.08451		mg/Kg		85	70 - 130	17	35
Toluene	<0.00202	U	0.0990	0.09054		mg/Kg		91	70 - 130	15	35

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QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1834-1
SDG: 5198

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-10292-A-2-C MSD

Matrix: Solid

Analysis Batch: 17325

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 17131

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylbenzene	<0.00202	U	0.0990	0.09309		mg/Kg		94	70 - 130	22	35
m-Xylene & p-Xylene	<0.00403	U	0.198	0.1811		mg/Kg		91	70 - 130	16	35
o-Xylene	<0.00202	U	0.0990	0.08850		mg/Kg		89	70 - 130	15	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: 880-10292-A-2-F MS

Matrix: Solid

Analysis Batch: 17325

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 17131

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00202	U	0.100	0.09972		mg/Kg		99	70 - 130
Toluene	<0.00202	U	0.100	0.1050		mg/Kg		105	70 - 130
Ethylbenzene	<0.00202	U	0.100	0.1164		mg/Kg		116	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.201	0.2123		mg/Kg		106	70 - 130
o-Xylene	<0.00202	U	0.100	0.1030		mg/Kg		103	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-17347/1-A

Matrix: Solid

Analysis Batch: 17443

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 17347

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	17.46	J	50.0	15.0	mg/Kg		01/20/22 10:33	01/22/22 07:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		01/20/22 10:33	01/22/22 07:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		01/20/22 10:33	01/22/22 07:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	01/20/22 10:33	01/22/22 07:15	1
o-Terphenyl	93		70 - 130	01/20/22 10:33	01/22/22 07:15	1

Lab Sample ID: LCS 880-17347/2-A

Matrix: Solid

Analysis Batch: 17443

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 17347

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	868.4		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	1000	873.0		mg/Kg		87	70 - 130

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QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1834-1
SDG: 5198

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-17347/2-A

Matrix: Solid

Analysis Batch: 17443

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 17347

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	84		70 - 130

Lab Sample ID: LCSD 880-17347/3-A

Matrix: Solid

Analysis Batch: 17443

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 17347

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	797.6		mg/Kg		80	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	1000	765.3		mg/Kg		77	70 - 130	13	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	79		70 - 130
o-Terphenyl	74		70 - 130

Lab Sample ID: 890-1834-1 MS

Matrix: Solid

Analysis Batch: 17443

Client Sample ID: SS SOUTH

Prep Type: Total/NA

Prep Batch: 17347

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	28.2	J B	997	775.9		mg/Kg		75	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F2	997	784.8		mg/Kg		79	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	59	S1-	70 - 130
o-Terphenyl	58	S1-	70 - 130

Lab Sample ID: 890-1834-1 MSD

Matrix: Solid

Analysis Batch: 17443

Client Sample ID: SS SOUTH

Prep Type: Total/NA

Prep Batch: 17347

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	28.2	J B	996	862.8		mg/Kg		84	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	<49.9	U F2	996	1007	F2	mg/Kg		101	70 - 130	25	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	72		70 - 130
o-Terphenyl	74		70 - 130

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QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1834-1
SDG: 5198

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-17050/1-A

Matrix: Solid

Analysis Batch: 17064

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.858	mg/Kg			01/17/22 22:42	1

Lab Sample ID: LCS 880-17050/2-A

Matrix: Solid

Analysis Batch: 17064

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	252.6		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-17050/3-A

Matrix: Solid

Analysis Batch: 17064

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	260.8		mg/Kg		104	90 - 110	3	20

Lab Sample ID: 890-1834-1 MS

Matrix: Solid

Analysis Batch: 17064

Client Sample ID: SS SOUTH

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	81.1		253	345.3		mg/Kg		105	90 - 110

Lab Sample ID: 890-1834-1 MSD

Matrix: Solid

Analysis Batch: 17064

Client Sample ID: SS SOUTH

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	81.1		253	350.9		mg/Kg		107	90 - 110	2	20

Eurofins Carlsbad

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1834-1
SDG: 5198

GC VOA

Prep Batch: 17131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1834-1	SS SOUTH	Total/NA	Solid	5035	
890-1834-2	SS SOUTHWEST	Total/NA	Solid	5035	
890-1834-3	SS NORTHWEST	Total/NA	Solid	5035	
890-1834-4	SS NORTH	Total/NA	Solid	5035	
890-1834-5	SS EAST	Total/NA	Solid	5035	
MB 880-17131/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-17131/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-17131/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-10292-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	
880-10292-A-2-F MS	Matrix Spike	Total/NA	Solid	5035	

Analysis Batch: 17325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1834-1	SS SOUTH	Total/NA	Solid	8021B	17131
890-1834-2	SS SOUTHWEST	Total/NA	Solid	8021B	17131
890-1834-3	SS NORTHWEST	Total/NA	Solid	8021B	17131
890-1834-4	SS NORTH	Total/NA	Solid	8021B	17131
890-1834-5	SS EAST	Total/NA	Solid	8021B	17131
MB 880-17131/5-A	Method Blank	Total/NA	Solid	8021B	17131
LCS 880-17131/1-A	Lab Control Sample	Total/NA	Solid	8021B	17131
LCSD 880-17131/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	17131
880-10292-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	17131
880-10292-A-2-F MS	Matrix Spike	Total/NA	Solid	8021B	17131

Analysis Batch: 17693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1834-1	SS SOUTH	Total/NA	Solid	Total BTEX	
890-1834-2	SS SOUTHWEST	Total/NA	Solid	Total BTEX	
890-1834-3	SS NORTHWEST	Total/NA	Solid	Total BTEX	
890-1834-4	SS NORTH	Total/NA	Solid	Total BTEX	
890-1834-5	SS EAST	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 17347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1834-1	SS SOUTH	Total/NA	Solid	8015NM Prep	
890-1834-2	SS SOUTHWEST	Total/NA	Solid	8015NM Prep	
890-1834-3	SS NORTHWEST	Total/NA	Solid	8015NM Prep	
890-1834-4	SS NORTH	Total/NA	Solid	8015NM Prep	
890-1834-5	SS EAST	Total/NA	Solid	8015NM Prep	
MB 880-17347/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-17347/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-17347/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1834-1 MS	SS SOUTH	Total/NA	Solid	8015NM Prep	
890-1834-1 MSD	SS SOUTH	Total/NA	Solid	8015NM Prep	

Analysis Batch: 17443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1834-1	SS SOUTH	Total/NA	Solid	8015B NM	17347
890-1834-2	SS SOUTHWEST	Total/NA	Solid	8015B NM	17347

Eurofins Carlsbad

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1834-1
SDG: 5198

GC Semi VOA (Continued)

Analysis Batch: 17443 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1834-3	SS NORTHWEST	Total/NA	Solid	8015B NM	17347
890-1834-4	SS NORTH	Total/NA	Solid	8015B NM	17347
890-1834-5	SS EAST	Total/NA	Solid	8015B NM	17347
MB 880-17347/1-A	Method Blank	Total/NA	Solid	8015B NM	17347
LCS 880-17347/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	17347
LCSD 880-17347/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	17347
890-1834-1 MS	SS SOUTH	Total/NA	Solid	8015B NM	17347
890-1834-1 MSD	SS SOUTH	Total/NA	Solid	8015B NM	17347

Analysis Batch: 17641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1834-1	SS SOUTH	Total/NA	Solid	8015 NM	
890-1834-2	SS SOUTHWEST	Total/NA	Solid	8015 NM	
890-1834-3	SS NORTHWEST	Total/NA	Solid	8015 NM	
890-1834-4	SS NORTH	Total/NA	Solid	8015 NM	
890-1834-5	SS EAST	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 17050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1834-1	SS SOUTH	Soluble	Solid	DI Leach	
890-1834-2	SS SOUTHWEST	Soluble	Solid	DI Leach	
890-1834-3	SS NORTHWEST	Soluble	Solid	DI Leach	
890-1834-4	SS NORTH	Soluble	Solid	DI Leach	
890-1834-5	SS EAST	Soluble	Solid	DI Leach	
MB 880-17050/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-17050/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-17050/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1834-1 MS	SS SOUTH	Soluble	Solid	DI Leach	
890-1834-1 MSD	SS SOUTH	Soluble	Solid	DI Leach	

Analysis Batch: 17064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1834-1	SS SOUTH	Soluble	Solid	300.0	17050
890-1834-2	SS SOUTHWEST	Soluble	Solid	300.0	17050
890-1834-3	SS NORTHWEST	Soluble	Solid	300.0	17050
890-1834-4	SS NORTH	Soluble	Solid	300.0	17050
890-1834-5	SS EAST	Soluble	Solid	300.0	17050
MB 880-17050/1-A	Method Blank	Soluble	Solid	300.0	17050
LCS 880-17050/2-A	Lab Control Sample	Soluble	Solid	300.0	17050
LCSD 880-17050/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	17050
890-1834-1 MS	SS SOUTH	Soluble	Solid	300.0	17050
890-1834-1 MSD	SS SOUTH	Soluble	Solid	300.0	17050

Eurofins Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1834-1
SDG: 5198

Client Sample ID: SS SOUTH

Lab Sample ID: 890-1834-1

Date Collected: 01/14/22 11:33

Matrix: Solid

Date Received: 01/14/22 14:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	17131	01/19/22 10:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17325	01/20/22 12:41	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			17693	01/25/22 11:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			17641	01/24/22 16:43	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	17347	01/20/22 10:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17443	01/22/22 08:19	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	17050	01/17/22 13:49	SC	XEN MID
Soluble	Analysis	300.0		1			17064	01/17/22 23:07	CH	XEN MID

Client Sample ID: SS SOUTHWEST

Lab Sample ID: 890-1834-2

Date Collected: 01/14/22 11:40

Matrix: Solid

Date Received: 01/14/22 14:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	17131	01/19/22 10:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17325	01/20/22 16:34	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			17693	01/25/22 11:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			17641	01/24/22 16:43	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	17347	01/20/22 10:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17443	01/22/22 09:24	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	17050	01/17/22 13:49	SC	XEN MID
Soluble	Analysis	300.0		5			17064	01/17/22 23:32	CH	XEN MID

Client Sample ID: SS NORTHWEST

Lab Sample ID: 890-1834-3

Date Collected: 01/14/22 11:50

Matrix: Solid

Date Received: 01/14/22 14:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	17131	01/19/22 10:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17325	01/20/22 16:54	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			17693	01/25/22 11:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			17641	01/24/22 16:43	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	17347	01/20/22 10:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17443	01/22/22 09:46	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	17050	01/17/22 13:49	SC	XEN MID
Soluble	Analysis	300.0		1			17064	01/17/22 23:40	CH	XEN MID

Client Sample ID: SS NORTH

Lab Sample ID: 890-1834-4

Date Collected: 01/14/22 12:12

Matrix: Solid

Date Received: 01/14/22 14:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	17131	01/19/22 10:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17325	01/20/22 17:15	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			17693	01/25/22 11:51	AJ	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1834-1
SDG: 5198

Client Sample ID: SS NORTH

Date Collected: 01/14/22 12:12

Date Received: 01/14/22 14:30

Lab Sample ID: 890-1834-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			17641	01/24/22 16:43	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	17347	01/20/22 10:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17443	01/22/22 10:08	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	17050	01/17/22 13:49	SC	XEN MID
Soluble	Analysis	300.0		1			17064	01/17/22 23:49	CH	XEN MID

Client Sample ID: SS EAST

Date Collected: 01/14/22 12:19

Date Received: 01/14/22 14:30

Lab Sample ID: 890-1834-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	17131	01/19/22 10:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17325	01/20/22 17:35	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			17693	01/25/22 11:51	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			17641	01/24/22 16:43	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	17347	01/20/22 10:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17443	01/22/22 10:29	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	17050	01/17/22 13:49	SC	XEN MID
Soluble	Analysis	300.0		1			17064	01/17/22 23:57	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1834-1
SDG: 5198

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1834-1
SDG: 5198

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Carlsbad

Sample Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw 8

Job ID: 890-1834-1
SDG: 5198

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1834-1	SS SOUTH	Solid	01/14/22 11:33	01/14/22 14:30	3 - 4
890-1834-2	SS SOUTHWEST	Solid	01/14/22 11:40	01/14/22 14:30	3 - 4
890-1834-3	SS NORTHWEST	Solid	01/14/22 11:50	01/14/22 14:30	3 - 4
890-1834-4	SS NORTH	Solid	01/14/22 12:12	01/14/22 14:30	3 - 4
890-1834-5	SS EAST	Solid	01/14/22 12:19	01/14/22 14:30	3 - 4



Chain of Custody

Work Order No: _____

Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3334

Midland, TX (432) 704-5440 El Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296 Casabad, NM (432) 704-5440

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Page 1 of 1

Project Manager:	Max Loefer	Bill To: (if different)	EOC Resources Inc.
Company Name:	Reiner Environmental	Company Name:	c/o Kevin Bleck
Address:	P.O. Box 201179	Address:	Champions Drive
City, State ZIP:	Austin, TX 78720	City, State ZIP:	Midland, TX 79706
Phone:	512-335-1785	Email:	max@reiner.com

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project: <u>New Mexico</u>
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☒ ADAPT ☐ Other: _____

Project Name:	ROS Draw 8	Turn Around	☐
Project Number:	5198	Routine	☐
Project Location:	Eddy County	Rush:	72-hr
Sampler's Name:	W. Kennedy	Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT	Temp Blank:	Yes ☐ No ☒	Wet Ice:	Yes ☐ No ☒
Temperature (°C):	24.0/23.8	Thermometer ID		
Received Inact:	Yes ☒ No ☐	Correction Factor:	-0.2	
Cooler Custody Seals:	Yes ☐ No ☒ (N/A)	Total Containers:		
Sample Custody Seals:	Yes ☐ No ☒ (N/A)			

Number of Containers

Chloride (EPA 300)



800-1834 Chain of Custody

ANALYSIS REQUEST

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2SO4: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn
TAT starts the day received by the lab, if received by 4:00pm

Sample Comments

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Preservative Codes
SS - South	Soil	11/11/22	11:33	3-4"		X	
SS - Southwest			11:40	3-4"			
SS - Southwest			11:40	3-4"			
SS - North			12:12	3-4"			
SS - East			12:14	3-4"			

Total 200.7 / 6010 200.8 / 6020:

Circle Method(s) and Metal(s) to be analyzed

8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Pb Mn Mo Ni K Se Ag Ti U
TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U
1631 / 245.1 / 7470 / 7471: Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>W. Kennedy</i>	<i>W. Kennedy</i>	01/14/22 14:30			

Revised Date 02/25/19 Rev 2019.1



Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440 El Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296
Crashtad, NM (432) 704-5440
Tampa, FL (813) 620-2000 West Palm Beach, FL (561) 689-6701

Chain of Custody

Work Order No: _____

Cooling in Progress Phoenix, AZ (480) 355-0900

Project Manager:	May Lewis	Bill To: (if different)	EOG Resources, Inc.
Company Name:	Energy Environmental	Company Name:	C/O Kevin Bleck
Address:	P.O. Box 20179	Address:	Champions Drive
City, State ZIP:	Austin, TX 78720	City, State ZIP:	Midland, TX 79706
Phone:	512-335-1785	Email:	may@energyenv.com

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project: <u>New Mexico</u>
Reporting Level: I ☐ Level II ☐ Level III ☐ PST/UST ☐ TRAP ☐ Level IV ☐
Deliverables: EDD ☒ ADAPT ☐ Other: _____

Project Name:	Ross Drive 8	Turn Around	☐
Project Number:	5198	Routine	☐
Project Location:	Edley County	Rush:	72-hr
Sampler's Name:	W. Kennedy	Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT	Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐
Temperature (°C):	24.6 / 73.3	Thermometer ID:		
Received Intact:	Yes ☒ No ☐	Correction Factor:	-0.2	
Cooler Custody Seals:	Yes ☐ No ☒ (N/A)	Total Containers:		
Sample Custody Seals:	Yes ☐ No ☒ (N/A)			

Number of Containers

Chloride (EPA 300)



890-1834 Chain of Custody

ANALYSIS REQUEST

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2SO4: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day received by the lab. If received by 4:00pm

Sample Comments

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Analysis Request	Preservative Codes	Sample Comments
SS-Scatth	Soil	11/14/12	11:33	3-4"	1	X			
SS-Scatthwest		11/14/12	11:40	3-4"	1				
SS-Adthwest		11/14/12	11:40	3-4"	1				
SS-Adth		11/14/12	12:12	3-4"	1				
SS-East		11/14/12	12:14	3-4"	1				

Total 200.7 / 6010 200.8 / 6020:

Circle Method(s) and Metal(s) to be analyzed

8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Cu Pb Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn
TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Cu Pb Mn Mo Ni Se Ag Ti U

1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>W. Kennedy</i>	<i>W. Kennedy</i>	01/14/12 14:30			

Revised Date 02/26/19 Rev 2019.1

Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 890-1834-1

SDG Number: 5198

Login Number: 1834**List Number: 1****Creator: Clifton, Cloe****List Source: Eurofins Carlsbad**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 890-1834-1

SDG Number: 5198

Login Number: 1834**List Number: 2****Creator: Rodriguez, Leticia****List Source: Eurofins Midland****List Creation: 01/17/22 09:43 AM**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing America

ANALYTICAL REPORT

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-2053-1
Laboratory Sample Delivery Group: 5198
Client Project/Site: ROSS DRAW #8

For:
Ranger Environmental Services, Inc
PO BOX 201179
Austin, Texas 78729

Attn: Max Cook

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
3/11/2022 7:48:07 PM
Jessica Kramer, Project Manager
(432)704-5440
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Designee for
Holly Taylor, Project Manager
(806)794-1296
holly.taylor@eurofinset.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Laboratory Job ID: 890-2053-1
SDG: 5198

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Definitions/Glossary

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2053-1
SDG: 5198

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
SQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2053-1
SDG: 5198

Job ID: 890-2053-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2053-1

Comments

No additional comments.

Receipt

The samples were received on 3/7/2022 4:31 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.6° C.

GC Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2053-1
SDG: 5198

Client Sample ID: NEF-1

Lab Sample ID: 890-2053-1

Date Collected: 03/07/22 10:30

Matrix: Solid

Date Received: 03/07/22 16:31

Sample Depth: 4

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	92.1		50.0	15.0	mg/Kg			03/11/22 09:47	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		03/10/22 13:00	03/10/22 23:04	1
Diesel Range Organics (Over C10-C28)	69.2		50.0	15.0	mg/Kg		03/10/22 13:00	03/10/22 23:04	1
Oil Range Organics (Over C28-C36)	22.9	J	50.0	15.0	mg/Kg		03/10/22 13:00	03/10/22 23:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				03/10/22 13:00	03/10/22 23:04	1
o-Terphenyl	110		70 - 130				03/10/22 13:00	03/10/22 23:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1590		24.8	4.25	mg/Kg			03/11/22 14:49	5

Client Sample ID: NEW-1

Lab Sample ID: 890-2053-2

Date Collected: 03/07/22 10:32

Matrix: Solid

Date Received: 03/07/22 16:31

Sample Depth: 0 - 4

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	33.0	J	49.9	15.0	mg/Kg			03/11/22 09:47	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	15.6	J	49.9	15.0	mg/Kg		03/10/22 13:00	03/10/22 23:26	1
Diesel Range Organics (Over C10-C28)	17.4	J	49.9	15.0	mg/Kg		03/10/22 13:00	03/10/22 23:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/22 13:00	03/10/22 23:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				03/10/22 13:00	03/10/22 23:26	1
o-Terphenyl	106		70 - 130				03/10/22 13:00	03/10/22 23:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2160		25.0	4.29	mg/Kg			03/11/22 15:07	5

Client Sample ID: SEF-1

Lab Sample ID: 890-2053-3

Date Collected: 03/07/22 11:15

Matrix: Solid

Date Received: 03/07/22 16:31

Sample Depth: 4

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.0	mg/Kg			03/11/22 09:47	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2053-1
SDG: 5198

Client Sample ID: SEF-1

Lab Sample ID: 890-2053-3

Date Collected: 03/07/22 11:15

Matrix: Solid

Date Received: 03/07/22 16:31

Sample Depth: 4

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		03/10/22 13:00	03/10/22 23:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.0	mg/Kg		03/10/22 13:00	03/10/22 23:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.0	mg/Kg		03/10/22 13:00	03/10/22 23:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				03/10/22 13:00	03/10/22 23:48	1
o-Terphenyl	114		70 - 130				03/10/22 13:00	03/10/22 23:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	344		25.0	4.28	mg/Kg			03/11/22 15:13	5

Client Sample ID: SEF-2

Lab Sample ID: 890-2053-4

Date Collected: 03/07/22 11:17

Matrix: Solid

Date Received: 03/07/22 16:31

Sample Depth: 4

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	14.9	mg/Kg			03/11/22 09:47	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	14.9	mg/Kg		03/10/22 13:00	03/11/22 00:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	14.9	mg/Kg		03/10/22 13:00	03/11/22 00:10	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		03/10/22 13:00	03/11/22 00:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				03/10/22 13:00	03/11/22 00:10	1
o-Terphenyl	96		70 - 130				03/10/22 13:00	03/11/22 00:10	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.5		5.04	0.865	mg/Kg			03/11/22 15:19	1

Client Sample ID: SEF-3

Lab Sample ID: 890-2053-5

Date Collected: 03/07/22 11:19

Matrix: Solid

Date Received: 03/07/22 16:31

Sample Depth: 4

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.0	mg/Kg			03/11/22 09:47	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		03/10/22 13:00	03/11/22 00:32	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2053-1
SDG: 5198

Client Sample ID: SEF-3

Lab Sample ID: 890-2053-5

Date Collected: 03/07/22 11:19

Matrix: Solid

Date Received: 03/07/22 16:31

Sample Depth: 4

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/10/22 13:00	03/11/22 00:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/10/22 13:00	03/11/22 00:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				03/10/22 13:00	03/11/22 00:32	1
o-Terphenyl	104		70 - 130				03/10/22 13:00	03/11/22 00:32	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	290		24.9	4.27	mg/Kg			03/11/22 15:25	5

Client Sample ID: SEW-1

Lab Sample ID: 890-2053-6

Date Collected: 03/07/22 12:01

Matrix: Solid

Date Received: 03/07/22 16:31

Sample Depth: 0 - 4

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	81.8		50.0	15.0	mg/Kg			03/11/22 09:47	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		03/10/22 13:00	03/11/22 00:54	1
Diesel Range Organics (Over C10-C28)	59.3		50.0	15.0	mg/Kg		03/10/22 13:00	03/11/22 00:54	1
Oil Range Organics (Over C28-C36)	22.5	J	50.0	15.0	mg/Kg		03/10/22 13:00	03/11/22 00:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				03/10/22 13:00	03/11/22 00:54	1
o-Terphenyl	107		70 - 130				03/10/22 13:00	03/11/22 00:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	417		4.98	0.855	mg/Kg			03/11/22 15:42	1

Client Sample ID: SEW-2

Lab Sample ID: 890-2053-7

Date Collected: 03/07/22 11:23

Matrix: Solid

Date Received: 03/07/22 16:31

Sample Depth: 0 - 4

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	81.7		49.9	15.0	mg/Kg			03/11/22 09:47	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	15.0	mg/Kg		03/10/22 13:00	03/11/22 01:16	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2053-1
SDG: 5198

Client Sample ID: SEW-2

Lab Sample ID: 890-2053-7

Date Collected: 03/07/22 11:23

Matrix: Solid

Date Received: 03/07/22 16:31

Sample Depth: 0 - 4

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	58.2		49.9	15.0	mg/Kg		03/10/22 13:00	03/11/22 01:16	1
Oil Range Organics (Over C28-C36)	23.5	J	49.9	15.0	mg/Kg		03/10/22 13:00	03/11/22 01:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				03/10/22 13:00	03/11/22 01:16	1
o-Terphenyl	95		70 - 130				03/10/22 13:00	03/11/22 01:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	512		5.00	0.858	mg/Kg			03/11/22 15:48	1

Client Sample ID: SEW-3

Lab Sample ID: 890-2053-8

Date Collected: 03/07/22 11:25

Matrix: Solid

Date Received: 03/07/22 16:31

Sample Depth: 0 - 4

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	14.9	mg/Kg			03/11/22 09:47	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	14.9	mg/Kg		03/10/22 13:23	03/11/22 01:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	14.9	mg/Kg		03/10/22 13:23	03/11/22 01:38	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	14.9	mg/Kg		03/10/22 13:23	03/11/22 01:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				03/10/22 13:23	03/11/22 01:38	1
o-Terphenyl	93		70 - 130				03/10/22 13:23	03/11/22 01:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	264		4.95	0.850	mg/Kg			03/11/22 15:54	1

Client Sample ID: N-1

Lab Sample ID: 890-2053-9

Date Collected: 03/07/22 11:45

Matrix: Solid

Date Received: 03/07/22 16:31

Sample Depth: 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	610		25.1	4.30	mg/Kg			03/11/22 16:00	5

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2053-1
SDG: 5198

Client Sample ID: NW-1

Lab Sample ID: 890-2053-10

Date Collected: 03/07/22 11:47

Matrix: Solid

Date Received: 03/07/22 16:31

Sample Depth: 0 - 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1800		24.9	4.27	mg/Kg			03/11/22 16:06	5

Client Sample ID: NW-2

Lab Sample ID: 890-2053-11

Date Collected: 03/07/22 11:49

Matrix: Solid

Date Received: 03/07/22 16:31

Sample Depth: 0 - 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1870		25.0	4.28	mg/Kg			03/11/22 16:12	5

Client Sample ID: MF-1

Lab Sample ID: 890-2053-12

Date Collected: 03/07/22 12:10

Matrix: Solid

Date Received: 03/07/22 16:31

Sample Depth: 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	165		5.00	0.858	mg/Kg			03/11/22 16:30	1

Client Sample ID: MF-2

Lab Sample ID: 890-2053-13

Date Collected: 03/07/22 12:12

Matrix: Solid

Date Received: 03/07/22 16:31

Sample Depth: 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	169		4.98	0.855	mg/Kg			03/11/22 16:36	1

Client Sample ID: MF-3

Lab Sample ID: 890-2053-14

Date Collected: 03/07/22 12:14

Matrix: Solid

Date Received: 03/07/22 16:31

Sample Depth: 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	371		5.04	0.865	mg/Kg			03/11/22 16:53	1

Client Sample ID: MW-1

Lab Sample ID: 890-2053-15

Date Collected: 03/07/22 12:16

Matrix: Solid

Date Received: 03/07/22 16:31

Sample Depth: 0 - 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	295		4.99	0.857	mg/Kg			03/11/22 16:59	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2053-1
SDG: 5198

Client Sample ID: MW-2

Lab Sample ID: 890-2053-16

Date Collected: 03/07/22 12:18

Matrix: Solid

Date Received: 03/07/22 16:31

Sample Depth: 0 - 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210		5.02	0.862	mg/Kg			03/11/22 17:05	1

Client Sample ID: MW-3

Lab Sample ID: 890-2053-17

Date Collected: 03/07/22 12:20

Matrix: Solid

Date Received: 03/07/22 16:31

Sample Depth: 0 - 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	323		4.99	0.857	mg/Kg			03/11/22 17:11	1

Client Sample ID: SF-1

Lab Sample ID: 890-2053-18

Date Collected: 03/07/22 13:09

Matrix: Solid

Date Received: 03/07/22 16:31

Sample Depth: 6

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	753		4.95	0.850	mg/Kg			03/11/22 17:17	1

Client Sample ID: SF-2

Lab Sample ID: 890-2053-19

Date Collected: 03/07/22 13:11

Matrix: Solid

Date Received: 03/07/22 16:31

Sample Depth: 6

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3530		24.8	4.25	mg/Kg			03/11/22 17:23	5

Client Sample ID: SW-1

Lab Sample ID: 890-2053-20

Date Collected: 03/07/22 13:13

Matrix: Solid

Date Received: 03/07/22 16:31

Sample Depth: 0 - 6

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	827		5.00	0.858	mg/Kg			03/11/22 17:29	1

Client Sample ID: SW-2

Lab Sample ID: 890-2053-21

Date Collected: 03/07/22 13:15

Matrix: Solid

Date Received: 03/07/22 16:31

Sample Depth: 0 - 6

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2640		24.8	4.25	mg/Kg			03/11/22 18:18	5

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2053-1
SDG: 5198

Client Sample ID: SS-1/F**Lab Sample ID: 890-2053-22**

Date Collected: 03/07/22 13:18

Matrix: Solid

Date Received: 03/07/22 16:31

Sample Depth: 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	559		5.00	0.858	mg/Kg			03/11/22 18:36	1

Client Sample ID: SS-1/W**Lab Sample ID: 890-2053-23**

Date Collected: 03/07/22 13:20

Matrix: Solid

Date Received: 03/07/22 16:31

Sample Depth: 0 - 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	577		4.99	0.857	mg/Kg			03/11/22 18:41	1

Client Sample ID: SS-2/F**Lab Sample ID: 890-2053-24**

Date Collected: 03/07/22 13:23

Matrix: Solid

Date Received: 03/07/22 16:31

Sample Depth: 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	899		25.2	4.33	mg/Kg			03/11/22 18:47	5

Client Sample ID: SS-2/W**Lab Sample ID: 890-2053-25**

Date Collected: 03/07/22 13:25

Matrix: Solid

Date Received: 03/07/22 16:31

Sample Depth: 0 - 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1580		24.9	4.27	mg/Kg			03/11/22 18:53	5

Surrogate Summary

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2053-1
SDG: 5198

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
880-12179-A-2-F MS	Matrix Spike	95	84
880-12179-A-2-G MSD	Matrix Spike Duplicate	102	93
890-2053-1	NEF-1	108	110
890-2053-2	NEW-1	107	106
890-2053-3	SEF-1	113	114
890-2053-4	SEF-2	100	96
890-2053-5	SEF-3	102	104
890-2053-6	SEW-1	109	107
890-2053-7	SEW-2	97	95
890-2053-8	SEW-3	93	93
LCS 880-21188/2-A	Lab Control Sample	108	105
LCSD 880-21188/3-A	Lab Control Sample Dup	95	93
MB 880-21188/1-A	Method Blank	99	101
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2053-1
SDG: 5198

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-21188/1-A

Matrix: Solid

Analysis Batch: 21299

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21188

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	15.0	mg/Kg		03/09/22 09:04	03/10/22 16:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.0	mg/Kg		03/09/22 09:04	03/10/22 16:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.0	mg/Kg		03/09/22 09:04	03/10/22 16:46	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				03/09/22 09:04	03/10/22 16:46	1
o-Terphenyl	101		70 - 130				03/09/22 09:04	03/10/22 16:46	1

Lab Sample ID: LCS 880-21188/2-A

Matrix: Solid

Analysis Batch: 21299

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21188

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	823.3		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1034		mg/Kg		103	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	108		70 - 130				
o-Terphenyl	105		70 - 130				

Lab Sample ID: LCSD 880-21188/3-A

Matrix: Solid

Analysis Batch: 21299

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21188

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	725.8		mg/Kg		73	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	1000	901.4		mg/Kg		90	70 - 130	14	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	95		70 - 130						
o-Terphenyl	93		70 - 130						

Lab Sample ID: 880-12179-A-2-F MS

Matrix: Solid

Analysis Batch: 21299

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 21188

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	18.6	J	998	1193		mg/Kg		118	70 - 130
Diesel Range Organics (Over C10-C28)	161		998	1155		mg/Kg		100	70 - 130

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QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2053-1
SDG: 5198

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-12179-A-2-F MS

Matrix: Solid

Analysis Batch: 21299

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 21188

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	84		70 - 130

Lab Sample ID: 880-12179-A-2-G MSD

Matrix: Solid

Analysis Batch: 21299

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 21188

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	18.6	J	998	1136		mg/Kg		112	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	161		998	1285		mg/Kg		113	70 - 130	11	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	102		70 - 130								
o-Terphenyl	93		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-21276/1-A

Matrix: Solid

Analysis Batch: 21350

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<5.00	U	5.00	0.858	mg/Kg			03/11/22 14:08	1	

Lab Sample ID: LCS 880-21276/2-A

Matrix: Solid

Analysis Batch: 21350

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec.		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Chloride	250	241.5		mg/Kg		97	90 - 110			

Lab Sample ID: LCSD 880-21276/3-A

Matrix: Solid

Analysis Batch: 21350

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

	Spike	LCSD	LCSD					%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	243.8		mg/Kg		98	90 - 110	1	20	

Lab Sample ID: 890-2053-1 MS

Matrix: Solid

Analysis Batch: 21350

Client Sample ID: NEF-1

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	1590		1240	2897		mg/Kg		106	90 - 110	

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QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2053-1
SDG: 5198

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-2053-1 MSD

Matrix: Solid

Analysis Batch: 21350

Client Sample ID: NEF-1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1590		1240	2941		mg/Kg		110	90 - 110	2	20

Lab Sample ID: 890-2053-11 MS

Matrix: Solid

Analysis Batch: 21350

Client Sample ID: NW-2

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	1870		1250	3090		mg/Kg		98	90 - 110		

Lab Sample ID: 890-2053-11 MSD

Matrix: Solid

Analysis Batch: 21350

Client Sample ID: NW-2

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1870		1250	3115		mg/Kg		100	90 - 110	1	20

Lab Sample ID: MB 880-21348/1-A

Matrix: Solid

Analysis Batch: 21406

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.858	mg/Kg			03/11/22 18:00	1

Lab Sample ID: LCS 880-21348/2-A

Matrix: Solid

Analysis Batch: 21406

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	250	242.7		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-21348/3-A

Matrix: Solid

Analysis Batch: 21406

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	252.7		mg/Kg		101	90 - 110	4	20

Lab Sample ID: 890-2053-21 MS

Matrix: Solid

Analysis Batch: 21406

Client Sample ID: SW-2

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	2640		1240	3915		mg/Kg		103	90 - 110		

Lab Sample ID: 890-2053-21 MSD

Matrix: Solid

Analysis Batch: 21406

Client Sample ID: SW-2

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	2640		1240	3955		mg/Kg		106	90 - 110	1	20

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2053-1
SDG: 5198

GC Semi VOA

Prep Batch: 21188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2053-1	NEF-1	Total/NA	Solid	8015NM Prep	
890-2053-2	NEW-1	Total/NA	Solid	8015NM Prep	
890-2053-3	SEF-1	Total/NA	Solid	8015NM Prep	
890-2053-4	SEF-2	Total/NA	Solid	8015NM Prep	
890-2053-5	SEF-3	Total/NA	Solid	8015NM Prep	
890-2053-6	SEW-1	Total/NA	Solid	8015NM Prep	
890-2053-7	SEW-2	Total/NA	Solid	8015NM Prep	
890-2053-8	SEW-3	Total/NA	Solid	8015NM Prep	
MB 880-21188/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-21188/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-21188/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-12179-A-2-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-12179-A-2-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 21299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2053-1	NEF-1	Total/NA	Solid	8015B NM	21188
890-2053-2	NEW-1	Total/NA	Solid	8015B NM	21188
890-2053-3	SEF-1	Total/NA	Solid	8015B NM	21188
890-2053-4	SEF-2	Total/NA	Solid	8015B NM	21188
890-2053-5	SEF-3	Total/NA	Solid	8015B NM	21188
890-2053-6	SEW-1	Total/NA	Solid	8015B NM	21188
890-2053-7	SEW-2	Total/NA	Solid	8015B NM	21188
890-2053-8	SEW-3	Total/NA	Solid	8015B NM	21188
MB 880-21188/1-A	Method Blank	Total/NA	Solid	8015B NM	21188
LCS 880-21188/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	21188
LCSD 880-21188/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	21188
880-12179-A-2-F MS	Matrix Spike	Total/NA	Solid	8015B NM	21188
880-12179-A-2-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	21188

Analysis Batch: 21368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2053-1	NEF-1	Total/NA	Solid	8015 NM	
890-2053-2	NEW-1	Total/NA	Solid	8015 NM	
890-2053-3	SEF-1	Total/NA	Solid	8015 NM	
890-2053-4	SEF-2	Total/NA	Solid	8015 NM	
890-2053-5	SEF-3	Total/NA	Solid	8015 NM	
890-2053-6	SEW-1	Total/NA	Solid	8015 NM	
890-2053-7	SEW-2	Total/NA	Solid	8015 NM	
890-2053-8	SEW-3	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 21276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2053-1	NEF-1	Soluble	Solid	DI Leach	
890-2053-2	NEW-1	Soluble	Solid	DI Leach	
890-2053-3	SEF-1	Soluble	Solid	DI Leach	
890-2053-4	SEF-2	Soluble	Solid	DI Leach	
890-2053-5	SEF-3	Soluble	Solid	DI Leach	
890-2053-6	SEW-1	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2053-1
SDG: 5198

HPLC/IC (Continued)

Leach Batch: 21276 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2053-7	SEW-2	Soluble	Solid	DI Leach	
890-2053-8	SEW-3	Soluble	Solid	DI Leach	
890-2053-9	N-1	Soluble	Solid	DI Leach	
890-2053-10	NW-1	Soluble	Solid	DI Leach	
890-2053-11	NW-2	Soluble	Solid	DI Leach	
890-2053-12	MF-1	Soluble	Solid	DI Leach	
890-2053-13	MF-2	Soluble	Solid	DI Leach	
890-2053-14	MF-3	Soluble	Solid	DI Leach	
890-2053-15	MW-1	Soluble	Solid	DI Leach	
890-2053-16	MW-2	Soluble	Solid	DI Leach	
890-2053-17	MW-3	Soluble	Solid	DI Leach	
890-2053-18	SF-1	Soluble	Solid	DI Leach	
890-2053-19	SF-2	Soluble	Solid	DI Leach	
890-2053-20	SW-1	Soluble	Solid	DI Leach	
MB 880-21276/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-21276/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-21276/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2053-1 MS	NEF-1	Soluble	Solid	DI Leach	
890-2053-1 MSD	NEF-1	Soluble	Solid	DI Leach	
890-2053-11 MS	NW-2	Soluble	Solid	DI Leach	
890-2053-11 MSD	NW-2	Soluble	Solid	DI Leach	

Leach Batch: 21348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2053-21	SW-2	Soluble	Solid	DI Leach	
890-2053-22	SS-1/F	Soluble	Solid	DI Leach	
890-2053-23	SS-1/W	Soluble	Solid	DI Leach	
890-2053-24	SS-2/F	Soluble	Solid	DI Leach	
890-2053-25	SS-2/W	Soluble	Solid	DI Leach	
MB 880-21348/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-21348/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-21348/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2053-21 MS	SW-2	Soluble	Solid	DI Leach	
890-2053-21 MSD	SW-2	Soluble	Solid	DI Leach	

Analysis Batch: 21350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2053-1	NEF-1	Soluble	Solid	300.0	21276
890-2053-2	NEW-1	Soluble	Solid	300.0	21276
890-2053-3	SEF-1	Soluble	Solid	300.0	21276
890-2053-4	SEF-2	Soluble	Solid	300.0	21276
890-2053-5	SEF-3	Soluble	Solid	300.0	21276
890-2053-6	SEW-1	Soluble	Solid	300.0	21276
890-2053-7	SEW-2	Soluble	Solid	300.0	21276
890-2053-8	SEW-3	Soluble	Solid	300.0	21276
890-2053-9	N-1	Soluble	Solid	300.0	21276
890-2053-10	NW-1	Soluble	Solid	300.0	21276
890-2053-11	NW-2	Soluble	Solid	300.0	21276
890-2053-12	MF-1	Soluble	Solid	300.0	21276
890-2053-13	MF-2	Soluble	Solid	300.0	21276
890-2053-14	MF-3	Soluble	Solid	300.0	21276

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2053-1
SDG: 5198

HPLC/IC (Continued)

Analysis Batch: 21350 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2053-15	MW-1	Soluble	Solid	300.0	21276
890-2053-16	MW-2	Soluble	Solid	300.0	21276
890-2053-17	MW-3	Soluble	Solid	300.0	21276
890-2053-18	SF-1	Soluble	Solid	300.0	21276
890-2053-19	SF-2	Soluble	Solid	300.0	21276
890-2053-20	SW-1	Soluble	Solid	300.0	21276
MB 880-21276/1-A	Method Blank	Soluble	Solid	300.0	21276
LCS 880-21276/2-A	Lab Control Sample	Soluble	Solid	300.0	21276
LCSD 880-21276/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	21276
890-2053-1 MS	NEF-1	Soluble	Solid	300.0	21276
890-2053-1 MSD	NEF-1	Soluble	Solid	300.0	21276
890-2053-11 MS	NW-2	Soluble	Solid	300.0	21276
890-2053-11 MSD	NW-2	Soluble	Solid	300.0	21276

Analysis Batch: 21406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2053-21	SW-2	Soluble	Solid	300.0	21348
890-2053-22	SS-1/F	Soluble	Solid	300.0	21348
890-2053-23	SS-1/W	Soluble	Solid	300.0	21348
890-2053-24	SS-2/F	Soluble	Solid	300.0	21348
890-2053-25	SS-2/W	Soluble	Solid	300.0	21348
MB 880-21348/1-A	Method Blank	Soluble	Solid	300.0	21348
LCS 880-21348/2-A	Lab Control Sample	Soluble	Solid	300.0	21348
LCSD 880-21348/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	21348
890-2053-21 MS	SW-2	Soluble	Solid	300.0	21348
890-2053-21 MSD	SW-2	Soluble	Solid	300.0	21348

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Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2053-1
SDG: 5198

Client Sample ID: NEF-1

Lab Sample ID: 890-2053-1

Date Collected: 03/07/22 10:30

Matrix: Solid

Date Received: 03/07/22 16:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			21368	03/11/22 09:47	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21188	03/10/22 13:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21299	03/10/22 23:04	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	21276	03/10/22 09:49	CH	XEN MID
Soluble	Analysis	300.0		5			21350	03/11/22 14:49	CH	XEN MID

Client Sample ID: NEW-1

Lab Sample ID: 890-2053-2

Date Collected: 03/07/22 10:32

Matrix: Solid

Date Received: 03/07/22 16:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			21368	03/11/22 09:47	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	21188	03/10/22 13:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21299	03/10/22 23:26	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	21276	03/10/22 09:49	CH	XEN MID
Soluble	Analysis	300.0		5			21350	03/11/22 15:07	CH	XEN MID

Client Sample ID: SEF-1

Lab Sample ID: 890-2053-3

Date Collected: 03/07/22 11:15

Matrix: Solid

Date Received: 03/07/22 16:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			21368	03/11/22 09:47	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	21188	03/10/22 13:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21299	03/10/22 23:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	21276	03/10/22 09:49	CH	XEN MID
Soluble	Analysis	300.0		5			21350	03/11/22 15:13	CH	XEN MID

Client Sample ID: SEF-2

Lab Sample ID: 890-2053-4

Date Collected: 03/07/22 11:17

Matrix: Solid

Date Received: 03/07/22 16:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			21368	03/11/22 09:47	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	21188	03/10/22 13:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21299	03/11/22 00:10	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	21276	03/10/22 09:49	CH	XEN MID
Soluble	Analysis	300.0		1			21350	03/11/22 15:19	CH	XEN MID

Client Sample ID: SEF-3

Lab Sample ID: 890-2053-5

Date Collected: 03/07/22 11:19

Matrix: Solid

Date Received: 03/07/22 16:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			21368	03/11/22 09:47	AJ	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2053-1
SDG: 5198

Client Sample ID: SEF-3

Lab Sample ID: 890-2053-5

Date Collected: 03/07/22 11:19

Matrix: Solid

Date Received: 03/07/22 16:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	21188	03/10/22 13:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21299	03/11/22 00:32	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	21276	03/10/22 09:49	CH	XEN MID
Soluble	Analysis	300.0		5			21350	03/11/22 15:25	CH	XEN MID

Client Sample ID: SEW-1

Lab Sample ID: 890-2053-6

Date Collected: 03/07/22 12:01

Matrix: Solid

Date Received: 03/07/22 16:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			21368	03/11/22 09:47	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21188	03/10/22 13:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21299	03/11/22 00:54	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	21276	03/10/22 09:49	CH	XEN MID
Soluble	Analysis	300.0		1			21350	03/11/22 15:42	CH	XEN MID

Client Sample ID: SEW-2

Lab Sample ID: 890-2053-7

Date Collected: 03/07/22 11:23

Matrix: Solid

Date Received: 03/07/22 16:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			21368	03/11/22 09:47	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	21188	03/10/22 13:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21299	03/11/22 01:16	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	21276	03/10/22 09:49	CH	XEN MID
Soluble	Analysis	300.0		1			21350	03/11/22 15:48	CH	XEN MID

Client Sample ID: SEW-3

Lab Sample ID: 890-2053-8

Date Collected: 03/07/22 11:25

Matrix: Solid

Date Received: 03/07/22 16:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			21368	03/11/22 09:47	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	21188	03/10/22 13:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21299	03/11/22 01:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	21276	03/10/22 09:49	CH	XEN MID
Soluble	Analysis	300.0		1			21350	03/11/22 15:54	CH	XEN MID

Client Sample ID: N-1

Lab Sample ID: 890-2053-9

Date Collected: 03/07/22 11:45

Matrix: Solid

Date Received: 03/07/22 16:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	21276	03/10/22 09:49	CH	XEN MID
Soluble	Analysis	300.0		5			21350	03/11/22 16:00	CH	XEN MID

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Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2053-1
SDG: 5198

Client Sample ID: NW-1

Lab Sample ID: 890-2053-10

Date Collected: 03/07/22 11:47

Matrix: Solid

Date Received: 03/07/22 16:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	21276	03/10/22 09:49	CH	XEN MID
Soluble	Analysis	300.0		5			21350	03/11/22 16:06	CH	XEN MID

Client Sample ID: NW-2

Lab Sample ID: 890-2053-11

Date Collected: 03/07/22 11:49

Matrix: Solid

Date Received: 03/07/22 16:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	21276	03/10/22 09:49	CH	XEN MID
Soluble	Analysis	300.0		5			21350	03/11/22 16:12	CH	XEN MID

Client Sample ID: MF-1

Lab Sample ID: 890-2053-12

Date Collected: 03/07/22 12:10

Matrix: Solid

Date Received: 03/07/22 16:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	21276	03/10/22 09:49	CH	XEN MID
Soluble	Analysis	300.0		1			21350	03/11/22 16:30	CH	XEN MID

Client Sample ID: MF-2

Lab Sample ID: 890-2053-13

Date Collected: 03/07/22 12:12

Matrix: Solid

Date Received: 03/07/22 16:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	21276	03/10/22 09:49	CH	XEN MID
Soluble	Analysis	300.0		1			21350	03/11/22 16:36	CH	XEN MID

Client Sample ID: MF-3

Lab Sample ID: 890-2053-14

Date Collected: 03/07/22 12:14

Matrix: Solid

Date Received: 03/07/22 16:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	21276	03/10/22 09:49	CH	XEN MID
Soluble	Analysis	300.0		1			21350	03/11/22 16:53	CH	XEN MID

Client Sample ID: MW-1

Lab Sample ID: 890-2053-15

Date Collected: 03/07/22 12:16

Matrix: Solid

Date Received: 03/07/22 16:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	21276	03/10/22 09:49	CH	XEN MID
Soluble	Analysis	300.0		1			21350	03/11/22 16:59	CH	XEN MID

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Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2053-1
SDG: 5198

Client Sample ID: MW-2

Lab Sample ID: 890-2053-16

Date Collected: 03/07/22 12:18

Matrix: Solid

Date Received: 03/07/22 16:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	21276	03/10/22 09:49	CH	XEN MID
Soluble	Analysis	300.0		1			21350	03/11/22 17:05	CH	XEN MID

Client Sample ID: MW-3

Lab Sample ID: 890-2053-17

Date Collected: 03/07/22 12:20

Matrix: Solid

Date Received: 03/07/22 16:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	21276	03/10/22 09:49	CH	XEN MID
Soluble	Analysis	300.0		1			21350	03/11/22 17:11	CH	XEN MID

Client Sample ID: SF-1

Lab Sample ID: 890-2053-18

Date Collected: 03/07/22 13:09

Matrix: Solid

Date Received: 03/07/22 16:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	21276	03/10/22 09:49	CH	XEN MID
Soluble	Analysis	300.0		1			21350	03/11/22 17:17	CH	XEN MID

Client Sample ID: SF-2

Lab Sample ID: 890-2053-19

Date Collected: 03/07/22 13:11

Matrix: Solid

Date Received: 03/07/22 16:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	21276	03/10/22 09:49	CH	XEN MID
Soluble	Analysis	300.0		5			21350	03/11/22 17:23	CH	XEN MID

Client Sample ID: SW-1

Lab Sample ID: 890-2053-20

Date Collected: 03/07/22 13:13

Matrix: Solid

Date Received: 03/07/22 16:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	21276	03/10/22 09:49	CH	XEN MID
Soluble	Analysis	300.0		1			21350	03/11/22 17:29	CH	XEN MID

Client Sample ID: SW-2

Lab Sample ID: 890-2053-21

Date Collected: 03/07/22 13:15

Matrix: Solid

Date Received: 03/07/22 16:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	21348	03/10/22 17:59	CH	XEN MID
Soluble	Analysis	300.0		5			21406	03/11/22 18:18	CH	XEN MID

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Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2053-1
SDG: 5198

Client Sample ID: SS-1/F**Lab Sample ID: 890-2053-22****Date Collected: 03/07/22 13:18****Matrix: Solid****Date Received: 03/07/22 16:31**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	21348	03/10/22 17:59	CH	XEN MID
Soluble	Analysis	300.0		1			21406	03/11/22 18:36	CH	XEN MID

Client Sample ID: SS-1/W**Lab Sample ID: 890-2053-23****Date Collected: 03/07/22 13:20****Matrix: Solid****Date Received: 03/07/22 16:31**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	21348	03/10/22 17:59	CH	XEN MID
Soluble	Analysis	300.0		1			21406	03/11/22 18:41	CH	XEN MID

Client Sample ID: SS-2/F**Lab Sample ID: 890-2053-24****Date Collected: 03/07/22 13:23****Matrix: Solid****Date Received: 03/07/22 16:31**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	21348	03/10/22 17:59	CH	XEN MID
Soluble	Analysis	300.0		5			21406	03/11/22 18:47	CH	XEN MID

Client Sample ID: SS-2/W**Lab Sample ID: 890-2053-25****Date Collected: 03/07/22 13:25****Matrix: Solid****Date Received: 03/07/22 16:31**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	21348	03/10/22 17:59	CH	XEN MID
Soluble	Analysis	300.0		5			21406	03/11/22 18:53	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2053-1
SDG: 5198

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2053-1
SDG: 5198

Method	Method Description	Protocol	Laboratory
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

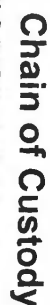
XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2053-1
SDG: 5198

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2053-1	NEF-1	Solid	03/07/22 10:30	03/07/22 16:31	4
890-2053-2	NEW-1	Solid	03/07/22 10:32	03/07/22 16:31	0 - 4
890-2053-3	SEF-1	Solid	03/07/22 11:15	03/07/22 16:31	4
890-2053-4	SEF-2	Solid	03/07/22 11:17	03/07/22 16:31	4
890-2053-5	SEF-3	Solid	03/07/22 11:19	03/07/22 16:31	4
890-2053-6	SEW-1	Solid	03/07/22 12:01	03/07/22 16:31	0 - 4
890-2053-7	SEW-2	Solid	03/07/22 11:23	03/07/22 16:31	0 - 4
890-2053-8	SEW-3	Solid	03/07/22 11:25	03/07/22 16:31	0 - 4
890-2053-9	N-1	Solid	03/07/22 11:45	03/07/22 16:31	4
890-2053-10	NW-1	Solid	03/07/22 11:47	03/07/22 16:31	0 - 4
890-2053-11	NW-2	Solid	03/07/22 11:49	03/07/22 16:31	0 - 4
890-2053-12	MF-1	Solid	03/07/22 12:10	03/07/22 16:31	4
890-2053-13	MF-2	Solid	03/07/22 12:12	03/07/22 16:31	4
890-2053-14	MF-3	Solid	03/07/22 12:14	03/07/22 16:31	4
890-2053-15	MW-1	Solid	03/07/22 12:16	03/07/22 16:31	0 - 4
890-2053-16	MW-2	Solid	03/07/22 12:18	03/07/22 16:31	0 - 4
890-2053-17	MW-3	Solid	03/07/22 12:20	03/07/22 16:31	0 - 4
890-2053-18	SF-1	Solid	03/07/22 13:09	03/07/22 16:31	6
890-2053-19	SF-2	Solid	03/07/22 13:11	03/07/22 16:31	6
890-2053-20	SW-1	Solid	03/07/22 13:13	03/07/22 16:31	0 - 6
890-2053-21	SW-2	Solid	03/07/22 13:15	03/07/22 16:31	0 - 6
890-2053-22	SS-1/F	Solid	03/07/22 13:18	03/07/22 16:31	4
890-2053-23	SS-1/W	Solid	03/07/22 13:20	03/07/22 16:31	0 - 4
890-2053-24	SS-2/F	Solid	03/07/22 13:23	03/07/22 16:31	4
890-2053-25	SS-2/W	Solid	03/07/22 13:25	03/07/22 16:31	0 - 4



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Work Order No:

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Midland, TX (432) 704-5440 El Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296 Crasibad, NM (432) 704-5440

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Page 1

3/11/2022

Program: ☐ UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
 State of Project: *New Mexico*
 Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
 Deliverables: EDD ☐ ADAPT ☐ Other:

Project Name:	Ross Draw #8	Turn Around	Pres.	ANALYSIS REQUEST						Preservative Codes
Project Number:	5198	Routine	☐							MeOH: Me
Project Location	Eddy County	Rush:	72 hr							None: NO
Sampler's Name:	w. Kennedy	Due Date:								HNO ₃ : HN
PO #:		Quote #:								H ₂ SO ₄ : H2

SAMPLE RECEIPT		Temp Blank:	Yes	No	Wet Ice:	Yes	No
Temperature (°C):		3.8 / 3.6					
Received intact:		Yes No					
Cooler Custody Seals:		Yes No N/A					
Sample Custody Seals:		Yes No N/A					
Correction Factor:		-0.2					
Total Containers:		1 N/A - 0.2					

of Containers

Sample ID (FHA)

Box 1802

4 (18019)

890-2053 Chain of Custody

HCL: HL

NaOH: Na

Zn Acetate+ NaOH: Zn

TAT starts the day received by the lab

received by 4:00pm

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number	Sample Comments
NEF-A	NEF-A	S&L	3/7/12	1030	4'	-	Ch
NEU-A	NEU-A				0-4'	X	B+
SEE-1	SEE-1			1032	4'	+	TP
SEE-2	SEE-2			1115	4'	-	
SEE-3	SEE-3			1117	4'	-	
SED-1	SED-1			1119	4'	-	
SED-2	SED-2			1121	0-4'	-	
SED-3	SED-3			1123	0-4'	-	
N-1	N-1			1125	0-4'	-	
				1145	4'	-	
NA-A	NA-A			1147	0-4'	-	

[illegible][illegible]



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 Midland, TX (432) 704-5440 El Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296
 Phoenix, AZ (480) 355-0900 Atlanta, GA (770) 449-8800 Tampa, FL (813) 620-2000 West Palm Beach, FL (561) 689-6701

Chain of Custody

Work Order No: _____

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Page 2 of 2

Project Manager:	Max Leach	Bill to: (if different)	EOG Resources Inc.
Company Name:	Ranger Environmental	Company Name:	EOG Resources Inc.
Address:	PO Box 201179	Address:	Chumpe's Drive
City, State ZIP:	Austin TX 78780	City, State ZIP:	Midland, TX 79706
Phone:	512-335-1745	Email:	Max@Rangerenv.com

Program: ☐ UST/PSI ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project: <u>New Mexico</u>
Reporting Level: ☐ I ☐ II ☐ III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: ☐ EDD ☐ ADAPT ☐ Other: _____

Project Name:	Roads Draw #8	Turn Around	☐
Project Number:	5198	Routine	☐
Project Location:	Edgar County	Rush:	72 hr.
Sampler's Name:	W. Kennedy	Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT		Temp Blank:	☒ Yes ☐ No	Well Ice:	☒ Yes ☐ No
Temperature (°C):	33.6	Thermometer ID			
Received Intact:	☒ Yes ☐ No	Correction Factor:	-0.2		
Cooler Custody Seals:	☒ Yes ☐ No	Total Containers:			
Sample Custody Seals:	☒ Yes ☐ No				

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	ANALYSIS REQUEST	Preservative Codes	Sample Comments
	NJ-2	Soil	3/7/22	11:44	0'-4"				
	ME-1			12:10	4'				
	ME-2			12:12	4'				
	ME-3			12:14	4'				
	MW-1			12:16	0'-4'				
	MW-2			12:18	0'-4'				
	MW-3			12:20	0'-4'				
	SE-1			13:04	6'				
	SE-2			13:11	6'				
	SW-1			13:13	0'-6"				

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn
 Circle Method(s) and Metal(s) to be analyzed: TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U 1631 / 245.1 / 7470 / 7471 :Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco. Its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
W. Kennedy	W. Kennedy	3/7/22 4:31			



Chain of Custody

Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440 EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296 Corsado, NM (432) 704-5440
Phoenix, AZ (480) 355-0900 Atlanta, GA (770) 449-8800 Tampa, FL (813) 620-2000 West Palm Beach, FL (561) 589-5701

Work Order No: _____

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Page 3 of 3

Project Manager:	Mike Cook	Bill to: (if different)	EDD Resources Inc.
Company Name:	Ramsey Environmental	Company Name:	10 Kevin Blum
Address:	PO Box 201179	Address:	Champions Drive
City, State ZIP:	Austin, TX 78720	City, State ZIP:	Midland, TX 79701
Phone:	512-335-1985	Email:	Mike@ramseyenv.com

Program: ☐ UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project: ☒ New Mexico
Reporting Level: ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: ☐ EDD ☐ ADAPT ☐ Other: _____

Project Name:	Edwards	Turn Around	☐
Project Number:	5129	Route	☐
Project Location:	Edwards County	Rush	7/24/22
Sample Name:	Oil & Gas	Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT	Temp Blank:	Yes	No	Wet Ice:	Yes	No
Temperature (°C):	38 / 36			Thermometer ID		
Received In:	Yes	No		Correction Factor:	-0.2	
Cooler Custody Seals:	Yes	No		Total Containers:		
Sample Custody Seals:	Yes	No				

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	ANALYSIS REQUEST	Preservative Codes	Sample Comments
	SUB-2	Soil	3/7/22	13:15	0'-6"	1	Chloride (17+20)	MeOH: Me None: NO HNO3: HN H2SO4: H2 HCL: HL NaOH: Na Zn Acetate+ NaOH: Zn	TAT starts the day received by the lab. If received by 4:00pm
	SS-1/F			13:18	4"				
	SS-1/W			13:20	0-4"				
	SS-2/F			13:23	0-4"				
	SS-2/W			13:25	0-4"				

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U 1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
W. Kennedy	W. Kennedy	3/22 4:31			

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Eurofins Carlsbad

1089 N Canal St.
Carlsbad, NM 88220
Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record



Environment Testing
America

Client Information (Sub Contract Lab)		Sampler		Lab PM: Taylor, Holly		Carrier Tracking No(s):		COC No: 890-658-1	
Client Contact:		Phone:		E-Mail: holly.taylor@eurofins.com		State of Origin: Texas		Page: Page 1 of 3	
Shipping/Receiving		Company:		Accreditations Required (See note): NELAP - Louisiana NELAP - Texas		Job #:		890-2053-1	
Address: 1211 W Florida Ave.		Due Date Requested: 3/1/2022		TAT Requested (days):		Analysis Requested		Preservation Codes	
City: Midland		State, Zip: TX, 79701		PO #:		A - HCL		M - Hexane	
Phone: 432-704-5440(Tel)		WO #:		Field Filtered Sample (Yes or No)		B - NaOH		N - None	
Email:		Project #:		Perform MS/MSD (Yes or No)		C - Zn Acetate		O - AsNaO2	
Project Name: ROSS DRAW #8		SSOW#:		300_ORGFM_28D/DI_LEACH Chloride		D - Nitric Acid		P - Na2O4S	
Site:		Sample Identification - Client ID (Lab ID)		8015MOD_NM/8015NM_S_Prep (MOD) Full TPH		E - NaHSO4		Q - Na2SO3	
		Sample Date		Sample Time		8015MOD_Calc		F - MeOH	
		Sample Type (C=Comp, G=grab, BT=Tissue, A=Air)		Matrix (W=Water, S=Solid, O=Osmolality, A=Air)				G - Anion	
		NEF-1 (890-2053-1)		10 30				H - Ascorbic Acid	
		NEW-1 (890-2053-2)		10 32				I - Ice	
		SEF-1 (890-2053-3)		11 15				J - DI Water	
		SEF-2 (890-2053-4)		11 17				K - EDTA	
		SEF-3 (890-2053-5)		11 19				L - EDA	
		SEW-1 (890-2053-6)		12 01				Other:	
		SEW-2 (890-2053-7)		11 23				A - HCL	
		SEW-3 (890-2053-8)		11 25				B - NaOH	
		N-1 (890-2053-9)		11 45				C - Zn Acetate	
								D - Nitric Acid	
								E - NaHSO4	
								F - MeOH	
								G - Anion	
								H - Ascorbic Acid	
								I - Ice	
								J - DI Water	
								K - EDTA	
								L - EDA	
								Other:	
								A - HCL	
								B - NaOH	
								C - Zn Acetate	
								D - Nitric Acid	
								E - NaHSO4	
								F - MeOH	
								G - Anion	
								H - Ascorbic Acid	
								I - Ice	
								J - DI Water	
								K - EDTA	
								L - EDA	
								Other:	
								A - HCL	
								B - NaOH	
								C - Zn Acetate	
								D - Nitric Acid	
								E - NaHSO4	
								F - MeOH	
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								H - Ascorbic Acid	
								I - Ice	
								J - DI Water	
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								Other:	
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								G - Anion	
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								F - MeOH	
								G - Anion	
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								J - DI Water	
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								F - MeOH	
								G - Anion	
								H - Ascorbic Acid	
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								J - DI Water	
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								C - Zn Acetate	
								D - Nitric Acid	
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								F - MeOH	
								G - Anion	
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								D - Nitric Acid	
								E - NaHSO4	
								F - MeOH	
								G - Anion	
								H - Ascorbic Acid	
								I - Ice	
								J - DI Water	
								K - EDTA	
								L - EDA	
								Other:	
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								B - NaOH	
								C - Zn Acetate	
								D - Nitric Acid	
								E - NaHSO4	
								F - MeOH	
								G - Anion	
								H - Ascorbic Acid	
								I - Ice	
								J - DI Water	
								K - EDTA	
								L - EDA	
								Other:	
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								B - NaOH	
								C - Zn Acetate	
								D - Nitric Acid	
								E - NaHSO4	

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Eurofins Carlsbad

1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



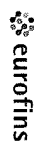
Environment Testing
America

Client Information (Sub Contract Lab)		Sampler	Lab PM	Carrier Tracking No(s)	COC No:
Client Contact	Phone:	Taylor, Holly			890-658 2
Shipping/Receiving	Phone:	holly.taylor@eurofins.com	State of Origin:	Page 2 of 3	
Company	Eurofins Environment Testing South Cent	Accreditations Required (See note):	NE LAP - Louisiana, NE LAP - Texas	Job #:	890-2053-1
Address	1211 W Florida Ave,	Date Requested	3/11/2022	Preservation Codes	
City	Midland	TAT Requested (days):		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other	
State, Zip:	TX 79701	PO #		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecylate U - Acetone V - MCAA W - pH 4.5 Z - other (specify)	
Phone	432-704-5440(Tel)	WFO #:			
Email		Project #	89000029		
Project Name:	ROSS DRAW #8	SSCW#:			
Site					
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soil, BT=issue, A=air)
NW-1 (890-2053-10)		3/7/22	11 47		Solid
NW-2 (890-2053-11)		3/7/22	11 49		Solid
MF-1 (890-2053-12)		3/7/22	12 10		Solid
MF-2 (890-2053-13)		3/7/22	12 12		Solid
MF-3 (890-2053-14)		3/7/22	12 14		Solid
MM-1 (890-2053-15)		3/7/22	12 16		Solid
MM-2 (890-2053-16)		3/7/22	12 18		Solid
MM-3 (890-2053-17)		3/7/22	12 20		Solid
SF-1 (890-2053-18)		3/7/22	13 09		Solid
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central LLC places the ownership of method, analyte & accreditation compliance upon out subcontracted laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/assessments being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central LLC.					
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
Unconfirmed		☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months			
Deliverable Requested I, II, III, IV, Other (Specify)		Primary Deliverable Rank 2		Special Instructions/QC Requirements	
Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:	
Relinquished by: <i>Cuecy 3822</i>		Date/Time:		Received by: <i>Phamer</i>	Date/Time:
Relinquished by:		Date/Time:		Received by:	Date/Time:
Relinquished by:		Date/Time:		Received by:	Date/Time:
Custody Seals Intact: ☐ Yes ☐ No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks:	

Eurofins Carlsbad

1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax 575-988-3199

Chain of Custody Record



Environment Testing America

[illegible]

Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 890-2053-1

SDG Number: 5198

Login Number: 2053

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 890-2053-1

SDG Number: 5198

Login Number: 2053

List Number: 2

Creator: Kramer, Jessica

List Source: Eurofins Midland

List Creation: 03/09/22 11:25 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing America

ANALYTICAL REPORT

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-2062-1
Laboratory Sample Delivery Group: 5198
Client Project/Site: Ross Draw #8
Revision: 1

For:
Ranger Environmental Services, Inc
PO BOX 201179
Austin, Texas 78729

Attn: Max Cook

A handwritten signature in black ink that reads "Holly Taylor".

Authorized for release by:
3/17/2022 9:36:27 AM

Holly Taylor, Project Manager
(806)794-1296
holly.taylor@eurofinset.com

LINKS

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results through
TotalAccess

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw #8

Laboratory Job ID: 890-2062-1
SDG: 5198

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QC Sample Results	6
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Definitions/Glossary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw #8

Job ID: 890-2062-1
SDG: 5198

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw #8

Job ID: 890-2062-1
SDG: 5198

Job ID: 890-2062-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2062-1

Comments

No additional comments.

Revision

The report being provided is a revision of the original report sent on 3/16/2022. The report (revision 1) is being revised to include the sample receipt checklists.

Receipt

The samples were received on 3/9/2022 4:21 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.4° C.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw #8

Job ID: 890-2062-1
SDG: 5198

Client Sample ID: SF-3

Date Collected: 03/09/22 10:29

Date Received: 03/09/22 16:21

Sample Depth: 6

Lab Sample ID: 890-2062-1

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1850		24.9	4.27	mg/Kg			03/16/22 17:14	5

Client Sample ID: SF-4

Date Collected: 03/09/22 12:29

Date Received: 03/09/22 16:21

Sample Depth: 6

Lab Sample ID: 890-2062-2

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	791		5.05	0.867	mg/Kg			03/16/22 06:15	1

Client Sample ID: SW-6

Date Collected: 03/09/22 13:28

Date Received: 03/09/22 16:21

Sample Depth: 0 - 6

Lab Sample ID: 890-2062-3

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	881		50.4	8.65	mg/Kg			03/15/22 10:44	10

Client Sample ID: SW-5

Date Collected: 03/09/22 13:14

Date Received: 03/09/22 16:21

Sample Depth: 0 - 6

Lab Sample ID: 890-2062-4

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	186		25.0	4.28	mg/Kg			03/15/22 10:53	5

Client Sample ID: SF-5

Date Collected: 03/09/22 14:15

Date Received: 03/09/22 16:21

Sample Depth: 6

Lab Sample ID: 890-2062-5

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	349		4.98	0.855	mg/Kg			03/16/22 06:24	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw #8

Job ID: 890-2062-1
SDG: 5198

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-21282/1-A

Matrix: Solid

Analysis Batch: 21645

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.858	mg/Kg			03/15/22 08:40	1

Lab Sample ID: LCS 880-21282/2-A

Matrix: Solid

Analysis Batch: 21645

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	242.5		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-21282/3-A

Matrix: Solid

Analysis Batch: 21645

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	240.8		mg/Kg		96	90 - 110	1	20

Lab Sample ID: 880-12264-A-1-I MS

Matrix: Solid

Analysis Batch: 21645

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	6300		5010	11330		mg/Kg		100	90 - 110

Lab Sample ID: 880-12264-A-1-J MSD

Matrix: Solid

Analysis Batch: 21645

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	6300		5010	11130		mg/Kg		96	90 - 110	2	20

Lab Sample ID: 880-12268-A-76-B MS

Matrix: Solid

Analysis Batch: 21645

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	1660		1250	2943		mg/Kg		103	90 - 110

Lab Sample ID: 880-12268-A-76-C MSD

Matrix: Solid

Analysis Batch: 21645

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1660		1250	2891		mg/Kg		99	90 - 110	2	20

Eurofins Carlsbad

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw #8

Job ID: 890-2062-1
SDG: 5198

HPLC/IC

Leach Batch: 21282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2062-1	SF-3	Soluble	Solid	DI Leach	
890-2062-2	SF-4	Soluble	Solid	DI Leach	
890-2062-3	SW-6	Soluble	Solid	DI Leach	
890-2062-4	SW-5	Soluble	Solid	DI Leach	
890-2062-5	SF-5	Soluble	Solid	DI Leach	
MB 880-21282/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-21282/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-21282/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-12264-A-1-I MS	Matrix Spike	Soluble	Solid	DI Leach	
880-12264-A-1-J MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-12268-A-76-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-12268-A-76-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 21645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2062-1	SF-3	Soluble	Solid	300.0	21282
890-2062-2	SF-4	Soluble	Solid	300.0	21282
890-2062-3	SW-6	Soluble	Solid	300.0	21282
890-2062-4	SW-5	Soluble	Solid	300.0	21282
890-2062-5	SF-5	Soluble	Solid	300.0	21282
MB 880-21282/1-A	Method Blank	Soluble	Solid	300.0	21282
LCS 880-21282/2-A	Lab Control Sample	Soluble	Solid	300.0	21282
LCSD 880-21282/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	21282
880-12264-A-1-I MS	Matrix Spike	Soluble	Solid	300.0	21282
880-12264-A-1-J MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	21282
880-12268-A-76-B MS	Matrix Spike	Soluble	Solid	300.0	21282
880-12268-A-76-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	21282

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw #8

Job ID: 890-2062-1
SDG: 5198

Client Sample ID: SF-3

Date Collected: 03/09/22 10:29

Date Received: 03/09/22 16:21

Lab Sample ID: 890-2062-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	21282	03/10/22 10:01	CH	XEN MID
Soluble	Analysis	300.0		5			21645	03/16/22 17:14	CH	XEN MID

Client Sample ID: SF-4

Date Collected: 03/09/22 12:29

Date Received: 03/09/22 16:21

Lab Sample ID: 890-2062-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	21282	03/10/22 10:01	CH	XEN MID
Soluble	Analysis	300.0		1			21645	03/16/22 06:15	CH	XEN MID

Client Sample ID: SW-6

Date Collected: 03/09/22 13:28

Date Received: 03/09/22 16:21

Lab Sample ID: 890-2062-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	21282	03/10/22 10:01	CH	XEN MID
Soluble	Analysis	300.0		10			21645	03/15/22 10:44	CH	XEN MID

Client Sample ID: SW-5

Date Collected: 03/09/22 13:14

Date Received: 03/09/22 16:21

Lab Sample ID: 890-2062-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	21282	03/10/22 10:01	CH	XEN MID
Soluble	Analysis	300.0		5			21645	03/15/22 10:53	CH	XEN MID

Client Sample ID: SF-5

Date Collected: 03/09/22 14:15

Date Received: 03/09/22 16:21

Lab Sample ID: 890-2062-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	21282	03/10/22 10:01	CH	XEN MID
Soluble	Analysis	300.0		1			21645	03/16/22 06:24	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Carlsbad

Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw #8

Job ID: 890-2062-1
SDG: 5198

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

- 1
- 2
- 3
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- 13

Method Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw #8

Job ID: 890-2062-1
SDG: 5198

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International
MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Sample Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw #8

Job ID: 890-2062-1
SDG: 5198

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2062-1	SF-3	Solid	03/09/22 10:29	03/09/22 16:21	6
890-2062-2	SF-4	Solid	03/09/22 12:29	03/09/22 16:21	6
890-2062-3	SW-6	Solid	03/09/22 13:28	03/09/22 16:21	0 - 6
890-2062-4	SW-5	Solid	03/09/22 13:14	03/09/22 16:21	0 - 6
890-2062-5	SF-5	Solid	03/09/22 14:15	03/09/22 16:21	6



Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3334
 Midland, TX (432) 704-5440 El Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296 Crashead, NM (432) 704-5440
 Phoenix, AZ (480) 355-0900 Atlanta, GA (770) 449-8900 Tampa, FL (813) 620-2000 West Palm Beach, FL (561) 689-6701

Chain of Custody

Work Order No: _____

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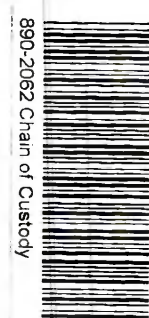
Page 1 of 1

Project Manager:	Max Loeck	Bill to (if different):	EDC Resources, Inc.
Company Name:	Reynolds Environmental	Company Name:	40 Kevin Blum
Address:	PO Box 20117	Address:	Champions Drive
City, State ZIP:	Aurora, TX 76720	City, State ZIP:	Midland, TX 79706
Phone:	512-335-1744	Email:	max@reynoldsenv.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project: New Mexico	
Reporting Level: I ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:	885 Drive #8	Turn Around	☐
Project Number:	5193	Routine	☐
Project Location:	Edley County	Rush:	72 hr
Sampler's Name:	M. Loeck	Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT	Temp Blank:	☒ Yes	☐ No	Wet Ice:	☒ Yes	☐ No
Temperature (°C):	0.6 / 0.4			Thermometer ID	TWM-007	
Received Intact:	☒ Yes	☐ No			Correction Factor:	-0.2
Cooler Custody Seals:	Yes	No	N/A			Total Containers:
Sample Custody Seals:	Yes	No	N/A			



890-2062 Chain of Custody

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	ANALYSIS REQUEST	Preservative Codes	Sample Comments
SE-3	Soil	3/4/22	1029	6'	1x	+	Chloride (EPA 309)		
SE-4	Soil	3/4/22	1029	6'-6"	1x	+			
SE-5	Soil	3/4/22	1308	6'-6"	1x	+			
SE-5	Soil	3/4/22	1314	6'-6"	1x	+			
SE-5	Soil	3/4/22	1415	6'	1x	+			

Total 200.7 / 6010	200.8 / 6020:	8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed	TCLP / SPLP 6010:	8RCRA SD As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
M. Loeck	Max Loeck	3/9/22 1601			

Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 890-2062-1

SDG Number: 5198

Login Number: 2062**List Number: 1****Creator: Clifton, Cloe****List Source: Eurofins Carlsbad**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 890-2062-1

SDG Number: 5198

Login Number: 2062**List Number: 2****Creator: Rodriguez, Leticia****List Source: Eurofins Midland****List Creation: 03/11/22 12:51 PM**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing America

ANALYTICAL REPORT

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-2072-1
Laboratory Sample Delivery Group: 5148
Client Project/Site: ROSS DRAW #8

For:
Ranger Environmental Services, Inc
PO BOX 201179
Austin, Texas 78729

Attn: Max Cook

A handwritten signature in cursive script that reads "Holly Taylor".

Authorized for release by:
3/18/2022 5:26:22 PM

Holly Taylor, Project Manager
(806)794-1296
holly.taylor@eurofinset.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Laboratory Job ID: 890-2072-1
SDG: 5148

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Definitions/Glossary

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2072-1
SDG: 5148

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2072-1
SDG: 5148

Job ID: 890-2072-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2072-1

Comments

No additional comments.

Receipt

The samples were received on 3/11/2022 2:43 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.6° C.

General Chemistry

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-21536 and analytical batch 880-21658 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2072-1
SDG: 5148

Client Sample ID: C-1

Date Collected: 03/10/22 11:50

Date Received: 03/11/22 14:43

Sample Depth: 6

Lab Sample ID: 890-2072-1

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27.1		4.99	0.857	mg/Kg			03/18/22 15:31	1

Client Sample ID: C-2

Date Collected: 03/10/22 11:52

Date Received: 03/11/22 14:43

Sample Depth: 6

Lab Sample ID: 890-2072-2

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.6		4.97	0.853	mg/Kg			03/18/22 16:02	1

Client Sample ID: C-4

Date Collected: 03/10/22 11:56

Date Received: 03/11/22 14:43

Sample Depth: 6

Lab Sample ID: 890-2072-3

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	169		4.96	0.851	mg/Kg			03/18/22 09:50	1

Client Sample ID: C-5

Date Collected: 03/10/22 11:58

Date Received: 03/11/22 14:43

Sample Depth: 6

Lab Sample ID: 890-2072-4

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	514		5.04	0.865	mg/Kg			03/18/22 10:00	1

Client Sample ID: C-6

Date Collected: 03/10/22 12:00

Date Received: 03/11/22 14:43

Sample Depth: 6

Lab Sample ID: 890-2072-5

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.0		4.98	0.855	mg/Kg			03/18/22 10:11	1

Client Sample ID: C-12

Date Collected: 03/11/22 12:34

Date Received: 03/11/22 14:43

Sample Depth: 6

Lab Sample ID: 890-2072-6

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	109		5.00	0.858	mg/Kg			03/18/22 10:42	1

Eurofins Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2072-1
SDG: 5148

Client Sample ID: C-9

Date Collected: 03/10/22 12:06

Date Received: 03/11/22 14:43

Sample Depth: 6

Lab Sample ID: 890-2072-7

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.0		4.95	0.850	mg/Kg			03/18/22 10:52	1

Client Sample ID: C-10

Date Collected: 03/10/22 12:08

Date Received: 03/11/22 14:43

Sample Depth: 6

Lab Sample ID: 890-2072-8

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31.2		5.01	0.860	mg/Kg			03/18/22 11:02	1

Client Sample ID: C-11

Date Collected: 03/10/22 12:10

Date Received: 03/11/22 14:43

Sample Depth: 6

Lab Sample ID: 890-2072-9

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.7		4.98	0.855	mg/Kg			03/18/22 11:13	1

Client Sample ID: C-13

Date Collected: 03/10/22 12:14

Date Received: 03/11/22 14:43

Sample Depth: 6

Lab Sample ID: 890-2072-10

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.1		5.04	0.865	mg/Kg			03/18/22 11:23	1

Client Sample ID: C-14

Date Collected: 03/10/22 12:16

Date Received: 03/11/22 14:43

Sample Depth: 6

Lab Sample ID: 890-2072-11

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.9		4.97	0.853	mg/Kg			03/18/22 11:33	1

Client Sample ID: C-15

Date Collected: 03/10/22 12:18

Date Received: 03/11/22 14:43

Sample Depth: 6

Lab Sample ID: 890-2072-12

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.5		5.03	0.863	mg/Kg			03/18/22 12:04	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2072-1
SDG: 5148

Client Sample ID: C-16

Date Collected: 03/10/22 12:20

Date Received: 03/11/22 14:43

Sample Depth: 6

Lab Sample ID: 890-2072-13

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27.5		4.99	0.857	mg/Kg			03/18/22 12:15	1

Client Sample ID: SF-6

Date Collected: 03/10/22 13:08

Date Received: 03/11/22 14:43

Sample Depth: 6

Lab Sample ID: 890-2072-14

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1140		49.9	8.57	mg/Kg			03/16/22 04:29	10

Client Sample ID: SW-8

Date Collected: 03/10/22 13:28

Date Received: 03/11/22 14:43

Sample Depth: 0 - 6

Lab Sample ID: 890-2072-15

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	757		50.0	8.58	mg/Kg			03/16/22 04:55	10

Client Sample ID: SW-3

Date Collected: 03/11/22 11:17

Date Received: 03/11/22 14:43

Sample Depth: 0 - 6

Lab Sample ID: 890-2072-16

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		4.95	0.850	mg/Kg			03/16/22 19:27	1

Client Sample ID: SW-7

Date Collected: 03/11/22 11:22

Date Received: 03/11/22 14:43

Sample Depth: 0 - 6

Lab Sample ID: 890-2072-17

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	203		5.01	0.860	mg/Kg			03/16/22 19:35	1

Client Sample ID: C-3

Date Collected: 03/11/22 12:05

Date Received: 03/11/22 14:43

Sample Depth: 2

Lab Sample ID: 890-2072-18

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.3		4.97	0.853	mg/Kg			03/16/22 05:22	1

Eurofins Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2072-1
SDG: 5148

Client Sample ID: C-7

Date Collected: 03/11/22 12:07

Date Received: 03/11/22 14:43

Sample Depth: 2

Lab Sample ID: 890-2072-19

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.3		4.97	0.853	mg/Kg	-		03/16/22 05:30	1

Client Sample ID: C-8

Date Collected: 03/11/22 12:09

Date Received: 03/11/22 14:43

Sample Depth: 2

Lab Sample ID: 890-2072-20

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	112		5.02	0.862	mg/Kg	-		03/16/22 05:39	1

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2072-1
SDG: 5148

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-21536/1-A

Matrix: Solid

Analysis Batch: 21658

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.858	mg/Kg			03/16/22 01:23	1

Lab Sample ID: LCS 880-21536/2-A

Matrix: Solid

Analysis Batch: 21658

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	239.4		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-21536/3-A

Matrix: Solid

Analysis Batch: 21658

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	240.1		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-12258-A-1-B MS

Matrix: Solid

Analysis Batch: 21658

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	47600	F1	24800	76140	F1	mg/Kg		115	90 - 110

Lab Sample ID: 880-12258-A-1-C MSD

Matrix: Solid

Analysis Batch: 21658

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	47600	F1	24800	75650	F1	mg/Kg		113	90 - 110	1	20

Lab Sample ID: MB 880-21539/1-A

Matrix: Solid

Analysis Batch: 21745

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.858	mg/Kg			03/18/22 08:38	1

Lab Sample ID: LCS 880-21539/2-A

Matrix: Solid

Analysis Batch: 21745

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	249.7		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-21539/3-A

Matrix: Solid

Analysis Batch: 21745

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	251.3		mg/Kg		101	90 - 110	1	20

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QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2072-1
SDG: 5148

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-2072-1 MS

Matrix: Solid

Analysis Batch: 21745

Client Sample ID: C-1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	27.1		250	276.3		mg/Kg		100	90 - 110		

Lab Sample ID: 890-2072-1 MSD

Matrix: Solid

Analysis Batch: 21745

Client Sample ID: C-1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	27.1		250	289.7		mg/Kg		105	90 - 110	5	20

Lab Sample ID: 890-2072-11 MS

Matrix: Solid

Analysis Batch: 21745

Client Sample ID: C-14

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	13.9		249	271.7		mg/Kg		104	90 - 110		

Lab Sample ID: 890-2072-11 MSD

Matrix: Solid

Analysis Batch: 21745

Client Sample ID: C-14

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	13.9		249	271.6		mg/Kg		104	90 - 110	0	20

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2072-1
SDG: 5148

HPLC/IC

Leach Batch: 21536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2072-14	SF-6	Soluble	Solid	DI Leach	
890-2072-15	SW-8	Soluble	Solid	DI Leach	
890-2072-16	SW-3	Soluble	Solid	DI Leach	
890-2072-17	SW-7	Soluble	Solid	DI Leach	
890-2072-18	C-3	Soluble	Solid	DI Leach	
890-2072-19	C-7	Soluble	Solid	DI Leach	
890-2072-20	C-8	Soluble	Solid	DI Leach	
MB 880-21536/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-21536/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-21536/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-12258-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-12258-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 21539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2072-1	C-1	Soluble	Solid	DI Leach	
890-2072-2	C-2	Soluble	Solid	DI Leach	
890-2072-3	C-4	Soluble	Solid	DI Leach	
890-2072-4	C-5	Soluble	Solid	DI Leach	
890-2072-5	C-6	Soluble	Solid	DI Leach	
890-2072-6	C-12	Soluble	Solid	DI Leach	
890-2072-7	C-9	Soluble	Solid	DI Leach	
890-2072-8	C-10	Soluble	Solid	DI Leach	
890-2072-9	C-11	Soluble	Solid	DI Leach	
890-2072-10	C-13	Soluble	Solid	DI Leach	
890-2072-11	C-14	Soluble	Solid	DI Leach	
890-2072-12	C-15	Soluble	Solid	DI Leach	
890-2072-13	C-16	Soluble	Solid	DI Leach	
MB 880-21539/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-21539/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-21539/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2072-1 MS	C-1	Soluble	Solid	DI Leach	
890-2072-1 MSD	C-1	Soluble	Solid	DI Leach	
890-2072-11 MS	C-14	Soluble	Solid	DI Leach	
890-2072-11 MSD	C-14	Soluble	Solid	DI Leach	

Analysis Batch: 21658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2072-14	SF-6	Soluble	Solid	300.0	21536
890-2072-15	SW-8	Soluble	Solid	300.0	21536
890-2072-16	SW-3	Soluble	Solid	300.0	21536
890-2072-17	SW-7	Soluble	Solid	300.0	21536
890-2072-18	C-3	Soluble	Solid	300.0	21536
890-2072-19	C-7	Soluble	Solid	300.0	21536
890-2072-20	C-8	Soluble	Solid	300.0	21536
MB 880-21536/1-A	Method Blank	Soluble	Solid	300.0	21536
LCS 880-21536/2-A	Lab Control Sample	Soluble	Solid	300.0	21536
LCSD 880-21536/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	21536
880-12258-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	21536
880-12258-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	21536

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2072-1
SDG: 5148

HPLC/IC

Analysis Batch: 21745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2072-1	C-1	Soluble	Solid	300.0	21539
890-2072-2	C-2	Soluble	Solid	300.0	21539
890-2072-3	C-4	Soluble	Solid	300.0	21539
890-2072-4	C-5	Soluble	Solid	300.0	21539
890-2072-5	C-6	Soluble	Solid	300.0	21539
890-2072-6	C-12	Soluble	Solid	300.0	21539
890-2072-7	C-9	Soluble	Solid	300.0	21539
890-2072-8	C-10	Soluble	Solid	300.0	21539
890-2072-9	C-11	Soluble	Solid	300.0	21539
890-2072-10	C-13	Soluble	Solid	300.0	21539
890-2072-11	C-14	Soluble	Solid	300.0	21539
890-2072-12	C-15	Soluble	Solid	300.0	21539
890-2072-13	C-16	Soluble	Solid	300.0	21539
MB 880-21539/1-A	Method Blank	Soluble	Solid	300.0	21539
LCS 880-21539/2-A	Lab Control Sample	Soluble	Solid	300.0	21539
LCSD 880-21539/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	21539
890-2072-1 MS	C-1	Soluble	Solid	300.0	21539
890-2072-1 MSD	C-1	Soluble	Solid	300.0	21539
890-2072-11 MS	C-14	Soluble	Solid	300.0	21539
890-2072-11 MSD	C-14	Soluble	Solid	300.0	21539

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2072-1
SDG: 5148

Client Sample ID: C-1

Date Collected: 03/10/22 11:50

Date Received: 03/11/22 14:43

Lab Sample ID: 890-2072-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	21539	03/14/22 12:51	CH	XEN MID
Soluble	Analysis	300.0		1			21745	03/18/22 15:31	CH	XEN MID

Client Sample ID: C-2

Date Collected: 03/10/22 11:52

Date Received: 03/11/22 14:43

Lab Sample ID: 890-2072-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	21539	03/14/22 12:51	CH	XEN MID
Soluble	Analysis	300.0		1			21745	03/18/22 16:02	CH	XEN MID

Client Sample ID: C-4

Date Collected: 03/10/22 11:56

Date Received: 03/11/22 14:43

Lab Sample ID: 890-2072-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	21539	03/14/22 12:51	CH	XEN MID
Soluble	Analysis	300.0		1			21745	03/18/22 09:50	CH	XEN MID

Client Sample ID: C-5

Date Collected: 03/10/22 11:58

Date Received: 03/11/22 14:43

Lab Sample ID: 890-2072-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	21539	03/14/22 12:51	CH	XEN MID
Soluble	Analysis	300.0		1			21745	03/18/22 10:00	CH	XEN MID

Client Sample ID: C-6

Date Collected: 03/10/22 12:00

Date Received: 03/11/22 14:43

Lab Sample ID: 890-2072-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	21539	03/14/22 12:51	CH	XEN MID
Soluble	Analysis	300.0		1			21745	03/18/22 10:11	CH	XEN MID

Client Sample ID: C-12

Date Collected: 03/11/22 12:34

Date Received: 03/11/22 14:43

Lab Sample ID: 890-2072-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	21539	03/14/22 12:51	CH	XEN MID
Soluble	Analysis	300.0		1			21745	03/18/22 10:42	CH	XEN MID

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Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2072-1
SDG: 5148

Client Sample ID: C-9

Date Collected: 03/10/22 12:06

Date Received: 03/11/22 14:43

Lab Sample ID: 890-2072-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	21539	03/14/22 12:51	CH	XEN MID
Soluble	Analysis	300.0		1			21745	03/18/22 10:52	CH	XEN MID

Client Sample ID: C-10

Date Collected: 03/10/22 12:08

Date Received: 03/11/22 14:43

Lab Sample ID: 890-2072-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	21539	03/14/22 12:51	CH	XEN MID
Soluble	Analysis	300.0		1			21745	03/18/22 11:02	CH	XEN MID

Client Sample ID: C-11

Date Collected: 03/10/22 12:10

Date Received: 03/11/22 14:43

Lab Sample ID: 890-2072-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	21539	03/14/22 12:51	CH	XEN MID
Soluble	Analysis	300.0		1			21745	03/18/22 11:13	CH	XEN MID

Client Sample ID: C-13

Date Collected: 03/10/22 12:14

Date Received: 03/11/22 14:43

Lab Sample ID: 890-2072-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	21539	03/14/22 12:51	CH	XEN MID
Soluble	Analysis	300.0		1			21745	03/18/22 11:23	CH	XEN MID

Client Sample ID: C-14

Date Collected: 03/10/22 12:16

Date Received: 03/11/22 14:43

Lab Sample ID: 890-2072-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	21539	03/14/22 12:51	CH	XEN MID
Soluble	Analysis	300.0		1			21745	03/18/22 11:33	CH	XEN MID

Client Sample ID: C-15

Date Collected: 03/10/22 12:18

Date Received: 03/11/22 14:43

Lab Sample ID: 890-2072-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	21539	03/14/22 12:51	CH	XEN MID
Soluble	Analysis	300.0		1			21745	03/18/22 12:04	CH	XEN MID

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Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2072-1
SDG: 5148

Client Sample ID: C-16

Date Collected: 03/10/22 12:20

Date Received: 03/11/22 14:43

Lab Sample ID: 890-2072-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	21539	03/14/22 12:51	CH	XEN MID
Soluble	Analysis	300.0		1			21745	03/18/22 12:15	CH	XEN MID

Client Sample ID: SF-6

Date Collected: 03/10/22 13:08

Date Received: 03/11/22 14:43

Lab Sample ID: 890-2072-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	21536	03/14/22 12:35	CH	XEN MID
Soluble	Analysis	300.0		10			21658	03/16/22 04:29	CH	XEN MID

Client Sample ID: SW-8

Date Collected: 03/10/22 13:28

Date Received: 03/11/22 14:43

Lab Sample ID: 890-2072-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	21536	03/14/22 12:35	CH	XEN MID
Soluble	Analysis	300.0		10			21658	03/16/22 04:55	CH	XEN MID

Client Sample ID: SW-3

Date Collected: 03/11/22 11:17

Date Received: 03/11/22 14:43

Lab Sample ID: 890-2072-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	21536	03/14/22 12:35	CH	XEN MID
Soluble	Analysis	300.0		1			21658	03/16/22 19:27	CH	XEN MID

Client Sample ID: SW-7

Date Collected: 03/11/22 11:22

Date Received: 03/11/22 14:43

Lab Sample ID: 890-2072-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	21536	03/14/22 12:35	CH	XEN MID
Soluble	Analysis	300.0		1			21658	03/16/22 19:35	CH	XEN MID

Client Sample ID: C-3

Date Collected: 03/11/22 12:05

Date Received: 03/11/22 14:43

Lab Sample ID: 890-2072-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	21536	03/14/22 12:35	CH	XEN MID
Soluble	Analysis	300.0		1			21658	03/16/22 05:22	CH	XEN MID

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Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2072-1
SDG: 5148

Client Sample ID: C-7
Date Collected: 03/11/22 12:07
Date Received: 03/11/22 14:43

Lab Sample ID: 890-2072-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	21536	03/14/22 12:35	CH	XEN MID
Soluble	Analysis	300.0		1			21658	03/16/22 05:30	CH	XEN MID

Client Sample ID: C-8
Date Collected: 03/11/22 12:09
Date Received: 03/11/22 14:43

Lab Sample ID: 890-2072-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	21536	03/14/22 12:35	CH	XEN MID
Soluble	Analysis	300.0		1			21658	03/16/22 05:39	CH	XEN MID

Laboratory References:
XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2072-1
SDG: 5148

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

- 1
- 2
- 3
- 4
- 5
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- 7
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- 9
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- 11
- 12
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Method Summary

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2072-1
SDG: 5148

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International
MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Sample Summary

Client: Ranger Environmental Services, Inc
Project/Site: ROSS DRAW #8

Job ID: 890-2072-1
SDG: 5148

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2072-1	C-1	Solid	03/10/22 11:50	03/11/22 14:43	6
890-2072-2	C-2	Solid	03/10/22 11:52	03/11/22 14:43	6
890-2072-3	C-4	Solid	03/10/22 11:56	03/11/22 14:43	6
890-2072-4	C-5	Solid	03/10/22 11:58	03/11/22 14:43	6
890-2072-5	C-6	Solid	03/10/22 12:00	03/11/22 14:43	6
890-2072-6	C-12	Solid	03/11/22 12:34	03/11/22 14:43	6
890-2072-7	C-9	Solid	03/10/22 12:06	03/11/22 14:43	6
890-2072-8	C-10	Solid	03/10/22 12:08	03/11/22 14:43	6
890-2072-9	C-11	Solid	03/10/22 12:10	03/11/22 14:43	6
890-2072-10	C-13	Solid	03/10/22 12:14	03/11/22 14:43	6
890-2072-11	C-14	Solid	03/10/22 12:16	03/11/22 14:43	6
890-2072-12	C-15	Solid	03/10/22 12:18	03/11/22 14:43	6
890-2072-13	C-16	Solid	03/10/22 12:20	03/11/22 14:43	6
890-2072-14	SF-6	Solid	03/10/22 13:08	03/11/22 14:43	6
890-2072-15	SW-8	Solid	03/10/22 13:28	03/11/22 14:43	0 - 6
890-2072-16	SW-3	Solid	03/11/22 11:17	03/11/22 14:43	0 - 6
890-2072-17	SW-7	Solid	03/11/22 11:22	03/11/22 14:43	0 - 6
890-2072-18	C-3	Solid	03/11/22 12:05	03/11/22 14:43	2
890-2072-19	C-7	Solid	03/11/22 12:07	03/11/22 14:43	2
890-2072-20	C-8	Solid	03/11/22 12:09	03/11/22 14:43	2



Chain of Custody

Work Order No: _____

Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440 EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296
Phoenix, AZ (480) 355-0900 Atlanta, GA (770) 449-8800 Tampa, FL (813) 620-2000 West Palm Beach, FL (561) 589-6701

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Page 1 of 2

Project Manager:	Max Cook	Bill to: (if different)	EDC Resources Inc.
Company Name:	Power Environmental	Company Name:	40 Kruze Blvd
Address:	PO Box 201174	Address:	Champions Drive
City, State ZIP:	Austin TX 78720	City, State ZIP:	Midland, TX 79706
Phone:	512-335-1785	Email:	max@powerenv.com

Program: UST/PT ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project: <u>New Mexico</u>
Reporting Level: ☐ Level II ☐ Level III ☐ PST/UST ☐ TRAP ☐ Level IV ☐
Deliverables: EDD ☐ ADAPT ☐ Other: _____

Project Name:	Pass Draw #8	Turn Around	Pres. Code
Project Number:	5178	☐	
Project Location:	Eddy County	Rush: <u>72 hr</u>	
Sampler's Name:	W. Kennedy	Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT

Temperature (°C): 4.5/4.6

Received intact: ☒ Yes ☐ No

Cooler Custody Seals: Yes ☐ No ☒ N/A

Sample Custody Seals: Yes ☐ No ☒ N/A

Temp Blank: ☒ Yes ☐ No

Wet Ice: ☒ Yes ☐ No

Thermometer ID: 700-087

Correction Factor: -0.2

Total Containers: _____

890-2072 Chain of Custody

ANALYSIS REQUEST

Preservative Codes

MeOH: Me

None: NO

HNO3: HN

H2SO4: H2

HCL: HL

NaOH: Na

Zn Acetate+ NaOH: Zn

TAT starts the day received by the lab, if received by 4:00pm

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Analysis
C-1		Soil	3/16/22	1150	6"	1	(Waste) (EPA 300)
C-2				1152	6"	1	
C-4				1156		1	
C-5				1158		1	
C-6				1200		1	
C-12			3/16/22	1234		1	
C-9			3/16/22	1206		1	
C-10				1258		1	
C-11				1210		1	
C-13				1214		1	

Total 200.7 / 6010	200.8 / 6020:	8RCRA 13PPM	Texas 11	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Mo	Ni	K	Se	Ag	SiO2	Na	Sr	Ti	Sn	U	V	Zn				
Circle Method(s) and Metal(s) to be analyzed		TCLP / SPLP 6010: 8RCRA		Sb		As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Pb	Mn	Mo	Ni	Se	Ag	Ti	U													

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<u>W. Kennedy</u>	<u>Max Cook</u>	<u>3/16/22 1443</u>			



Chain of Custody

Work Order No: _____

Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3334
 Midland, TX (432) 704-5440 El Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296 Crashtad, NM (432) 704-5440
 Phoenix, AZ (480) 355-0900 Atlanta, GA (770) 449-8800 Tampa, FL (813) 620-2000 West Palm Beach, FL (561) 689-6701

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Page 2 of 2

Project Manager:	Max Lock	Bill to: (if different)	Eds Resources Inc.
Company Name:	Ranger Environmental	Company Name:	Eds Resources Inc.
Address:	Po Box 201179	Address:	Champion Drive
City, State ZIP:	Aurora, TX 79720	City, State ZIP:	Midland, TX 45706
Phone:	512-335-1747	Email:	max@rangerenv.com

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADAPT ☐ Other:

Project Name:	5192	Turn Around	☐
Project Number:	5192	Routine	☐
Project Location:	Chloride (EPA 300)	Rush:	72 hr
Sampler's Name:	W. Kennedy	Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT	Temp Blank:	Yes	No	Wet Ice:	Yes	No
Temperature (°C):				Precipimeter ID		
Received Inlet:	Yes	No				
Cooler Custody Seals:	Yes	No	N/A	Correction Factor:		
Sample Custody Seals:	Yes	No	N/A	Total Containers:		

Tab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	ANALYSIS REQUEST	Preservative Codes	Sample Comments
C-14		Soil	3/10/22	12:14	6"	1X	Chloride (EPA 300)	MeOH: Me None: NO HNO3: HN H2SO4: H2 HCL: HL NaOH: Na Zn Acetate+ NaOH: Zn	TAT starts the day received by the lab, if received by 4:00pm
C-15				12:18					
C-16				12:20					
SF-C			3/10/22	13:08	0'				
SU-3			3/11/22	11:17					
SU-7			11:22						
C-3			12:05	2'					
C-4			12:07	2'					
C-8			12:09	2'					

Total 200.7 / 6010 200.8 / 6020: BRCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn
 Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U 1631 / 245.1 / 7470 / 7471 .Hg

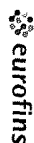
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
W. Kennedy	Cecily	3/10/22 14:43			

Eurofins Carlsbad

1089 N Canal St.
Carlsbad, NM 88220
Phone 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Environment Testing America

Client Information (Sub Contract Lab)						Sampler	Lab PM	Carrier Tracking No(s)	COC No					
Shipping/Receiving						Phone:	Taylor, Holly	State of Origin: Texas	890-665 1					
Company Eurofins Environment Testing South Cent						E-Mail holly.taylor@eurofnstest.com	Accreditations Required (See note): NELAP - Louisiana, NELAP - Texas	Page 1 of 3	Page 1 of 3					
Address: 1211 W Florida Ave.						Due Date Requested 3/17/2022			Job #: 890-2072-1					
City: Midland						TAT Requested (days):	Analysis Requested		Preservation Codes:					
State Zip: TX, 79701						PO #:			A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:					
Phone: 432-704-5440(Tel)						WO #:			M - Hexane N - None O - AsNaO2 P - Na2OAS Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecylhydrate U - Acetone V - MCAA W - pH 4.5 Z other (specify)					
Project Name ROSS DRAW #8						Project #: 89000029								
Site:						SSOW#:								
Sample Identification - Client ID (Lab ID)						Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=overhead, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFWM_28/DI_LEACH Chloride	Total Number of containers	Special Instructions/Note:
C-1 (890-2072-1)						3/10/22	11 50	Central	Solid	X			1	
C-2 (890-2072-2)						3/10/22	11 52	Central	Solid	X			1	
C-4 (890-2072-3)						3/10/22	11 56	Central	Solid	X			1	
C-5 (890-2072-4)						3/10/22	11 58	Central	Solid	X			1	
C-6 (890-2072-5)						3/10/22	12 00	Central	Solid	X			1	
C-12 (890-2072-6)						3/11/22	12 34	Central	Solid	X			1	
C-9 (890-2072-7)						3/10/22	12 06	Central	Solid	X			1	
C-10 (890-2072-8)						3/10/22	12 08	Central	Solid	X			1	
C-11 (890-2072-9)						3/10/22	12 10	Central	Solid	X			1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method analyze & accreditation compliance upon our subcontracted laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification

Unconfirmed

Deliverable Requested I, II, III IV Other (specify) Primary Deliverable Rank: 2 Special Instructions/QAC Requirements.

Empty Kit Relinquished by: Date: Time: Method of Shipment:

Relinquished by: 408 31122 Date/Time: Company: Received by: J. Kanner Date/Time: 3/14/22 Company: 800

Relinquished by: Date/Time: Company: Received by: Date/Time: Company:

Custody Seals Intact: Custody Seal No Cooler Temperature(s) °C and Other Remarks: 2/6/25

Eurofine Carlsbad

1089 N Canal St.
Carlsbad, NM 88220
Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record



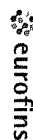
Environment Testing

Client Information (Sub Contract Lab)			Sampler	Lab PM	Carrier Tracking No(s)	COC No.					
Client Contact:			Phone:	Taylor, Holly		890-665 2					
Shipping/Receiving				E-Mail	State of Origin:	Page					
Company:				holly.taylor@eurofinsnet.com	Texas	Page 2 of 3					
Eurofins Environment Testing South Cent			Accreditations Required (See note):			Job #					
Address:			NELAP - Louisiana, NELAP - Texas			890-2072-1					
City:			Due Date Requested:		Preservation Codes:						
1211 W Florida Ave,			3/17/2022		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Ammonia H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:						
State, Zip			TAT Requested (days):		M - Hexane N - None O - AsNaO2 P - Na2CO3 Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecylate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)						
Phone:			PO #:								
432-704-5440(Tel)			WO #:								
Email:			Project #:								
ROSS DRAW #8			89000029								
Site:			SSOW#:								
Sample Identification - Client ID (Lab ID)			Sample Date	Sample Time	Sample Type (IC=comp, G=grab)	Matrix (W=water, S=solid, O=other, ST=Stem, AA=)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/DI_LEACH Chloride	Total Number of containers	Special Instructions/Note:
C-13 (890-2072-10)			3/10/22	12 14	Central	Solid	X			1	
C-14 (890-2072-11)			3/10/22	12 16	Central	Solid	X			1	
C-15 (890-2072-12)			3/10/22	12 18	Central	Solid	X			1	
C-16 (890-2072-13)			3/10/22	12 20	Central	Solid	X			1	
SF-6 (890-2072-14)			3/10/22	13 08	Central	Solid	X			1	
SW-8 (890-2072-15)			3/10/22	13 28	Central	Solid	X			1	
SW-3 (890-2072-16)			3/11/22	11 17	Central	Solid	X			1	
SW-7 (890-2072-17)			3/11/22	11 22	Central	Solid	X			1	
C-3 (890-2072-18)			3/11/22	12 05	Central	Solid	X			1	

Eurofins Carlsbad

1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax 575-988-3199

Chain of Custody Record



Environment Testing America

[illegible]

Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 890-2072-1

SDG Number: 5148

Login Number: 2072**List Number: 1****Creator: Clifton, Cloe****List Source: Eurofins Carlsbad**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 890-2072-1

SDG Number: 5148

Login Number: 2072**List Number: 2****Creator: Kramer, Jessica****List Source: Eurofins Midland****List Creation: 03/14/22 08:17 AM**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing America

ANALYTICAL REPORT

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-2161-1
Laboratory Sample Delivery Group: 5198
Client Project/Site: Ross Draw #8

For:
Ranger Environmental Services, Inc
PO BOX 201179
Austin, Texas 78729

Attn: Max Cook

Holly Taylor

Authorized for release by:
4/7/2022 2:49:40 PM

Holly Taylor, Project Manager
(806)794-1296
Holly.Taylor@et.eurofinsus.com

LINKS

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results through
TotalAccess

Have a Question?



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www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw #8

Laboratory Job ID: 890-2161-1
SDG: 5198

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Definitions/Glossary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw #8

Job ID: 890-2161-1
SDG: 5198

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw #8

Job ID: 890-2161-1
SDG: 5198

Job ID: 890-2161-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2161-1

Receipt

The samples were received on 3/31/2022 4:37 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.4°C

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw #8

Job ID: 890-2161-1
SDG: 5198

Client Sample ID: SW-2A

Date Collected: 03/29/22 10:00

Date Received: 03/31/22 16:37

Sample Depth: 0 - 6

Lab Sample ID: 890-2161-1

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	139		4.95	0.850	mg/Kg			04/05/22 16:13	1

Client Sample ID: SW-6A

Date Collected: 03/29/22 10:02

Date Received: 03/31/22 16:37

Sample Depth: 0 - 6

Lab Sample ID: 890-2161-2

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	171		24.8	4.25	mg/Kg			04/04/22 21:36	5

Client Sample ID: SEW-3A

Date Collected: 03/29/22 10:20

Date Received: 03/31/22 16:37

Sample Depth: 0 - 4

Lab Sample ID: 890-2161-3

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.0		5.05	0.867	mg/Kg			04/05/22 16:22	1

Client Sample ID: SW-8A

Date Collected: 03/29/22 10:04

Date Received: 03/31/22 16:37

Sample Depth: 0 - 6

Lab Sample ID: 890-2161-4

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	154		24.9	4.27	mg/Kg			04/04/22 21:54	5

Client Sample ID: SW-1A

Date Collected: 03/29/22 10:06

Date Received: 03/31/22 16:37

Sample Depth: 0 - 6

Lab Sample ID: 890-2161-5

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	216		25.0	4.29	mg/Kg			04/04/22 22:03	5

Client Sample ID: SF-7

Date Collected: 03/29/22 10:54

Date Received: 03/31/22 16:37

Sample Depth: 6

Lab Sample ID: 890-2161-6

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7180		50.4	8.65	mg/Kg			04/05/22 16:31	10

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw #8

Job ID: 890-2161-1
SDG: 5198

Client Sample ID: SF-8

Lab Sample ID: 890-2161-7

Date Collected: 03/29/22 10:56

Matrix: Solid

Date Received: 03/31/22 16:37

Sample Depth: 6

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1160		49.7	8.53	mg/Kg			04/04/22 22:21	10

Client Sample ID: SF-9

Lab Sample ID: 890-2161-8

Date Collected: 03/29/22 10:58

Matrix: Solid

Date Received: 03/31/22 16:37

Sample Depth: 6

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5410		99.0	17.0	mg/Kg			04/04/22 22:30	20

Client Sample ID: SF-10

Lab Sample ID: 890-2161-9

Date Collected: 03/29/22 11:00

Matrix: Solid

Date Received: 03/31/22 16:37

Sample Depth: 6

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3700		99.6	17.1	mg/Kg			04/06/22 12:01	20

Client Sample ID: SF-11

Lab Sample ID: 890-2161-10

Date Collected: 03/29/22 11:02

Matrix: Solid

Date Received: 03/31/22 16:37

Sample Depth: 6

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4770		99.8	17.1	mg/Kg			04/06/22 12:10	20

Client Sample ID: SF-12

Lab Sample ID: 890-2161-11

Date Collected: 03/29/22 11:04

Matrix: Solid

Date Received: 03/31/22 16:37

Sample Depth: 6

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6500		25.0	4.29	mg/Kg			04/07/22 02:28	5

Client Sample ID: SF-13

Lab Sample ID: 890-2161-12

Date Collected: 03/29/22 11:06

Matrix: Solid

Date Received: 03/31/22 16:37

Sample Depth: 6

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9360		49.9	8.57	mg/Kg			04/07/22 02:55	10

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw #8

Job ID: 890-2161-1
SDG: 5198

Client Sample ID: SF-14

Lab Sample ID: 890-2161-13

Date Collected: 03/29/22 11:08

Matrix: Solid

Date Received: 03/31/22 16:37

Sample Depth: 6

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4070		100	17.2	mg/Kg			04/06/22 12:53	20

Client Sample ID: SF-15

Lab Sample ID: 890-2161-14

Date Collected: 03/29/22 11:10

Matrix: Solid

Date Received: 03/31/22 16:37

Sample Depth: 6

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7250		49.7	8.53	mg/Kg			04/07/22 03:04	10

Client Sample ID: SF-16

Lab Sample ID: 890-2161-15

Date Collected: 03/29/22 11:12

Matrix: Solid

Date Received: 03/31/22 16:37

Sample Depth: 6

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8300		49.7	8.53	mg/Kg			04/07/22 03:14	10

Client Sample ID: SF-17

Lab Sample ID: 890-2161-16

Date Collected: 03/29/22 11:14

Matrix: Solid

Date Received: 03/31/22 16:37

Sample Depth: 6

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7640		49.5	8.50	mg/Kg			04/07/22 03:23	10

Client Sample ID: SF-18

Lab Sample ID: 890-2161-17

Date Collected: 03/29/22 11:16

Matrix: Solid

Date Received: 03/31/22 16:37

Sample Depth: 6

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8140		49.5	8.50	mg/Kg			04/07/22 03:32	10

Client Sample ID: SW-9

Lab Sample ID: 890-2161-18

Date Collected: 03/29/22 10:08

Matrix: Solid

Date Received: 03/31/22 16:37

Sample Depth: 0 - 6

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	255		5.04	0.865	mg/Kg			04/07/22 03:41	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw #8

Job ID: 890-2161-1
SDG: 5198

Client Sample ID: SW-10**Lab Sample ID: 890-2161-19**

Date Collected: 03/29/22 10:50

Matrix: Solid

Date Received: 03/31/22 16:37

Sample Depth: 0 - 6

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	123		4.97	0.853	mg/Kg			04/07/22 03:51	1

Client Sample ID: SW-11**Lab Sample ID: 890-2161-20**

Date Collected: 03/29/22 10:52

Matrix: Solid

Date Received: 03/31/22 16:37

Sample Depth: 0 - 6

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	280		4.98	0.855	mg/Kg			04/07/22 04:18	1

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw #8

Job ID: 890-2161-1
SDG: 5198

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-22827/1-A

Matrix: Solid

Analysis Batch: 23029

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.858	mg/Kg			04/04/22 18:04	1

Lab Sample ID: LCS 880-22827/2-A

Matrix: Solid

Analysis Batch: 23029

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	257.7		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-22827/3-A

Matrix: Solid

Analysis Batch: 23029

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	256.6		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-13183-A-1-E MS

Matrix: Solid

Analysis Batch: 23029

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	259		1250	1503		mg/Kg		99	90 - 110

Lab Sample ID: 880-13183-A-1-F MSD

Matrix: Solid

Analysis Batch: 23029

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	259		1250	1508		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 880-13183-A-11-C MS

Matrix: Solid

Analysis Batch: 23029

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	51.3		248	288.7		mg/Kg		96	90 - 110

Lab Sample ID: 880-13183-A-11-D MSD

Matrix: Solid

Analysis Batch: 23029

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	51.3		248	290.6		mg/Kg		97	90 - 110	1	20

Lab Sample ID: MB 880-22961/1-A

Matrix: Solid

Analysis Batch: 23033

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.858	mg/Kg			04/06/22 09:51	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw #8

Job ID: 890-2161-1
SDG: 5198

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-22961/2-A

Matrix: Solid

Analysis Batch: 23033

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	245.4		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-22961/3-A

Matrix: Solid

Analysis Batch: 23033

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	245.6		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 890-2161-11 MS

Matrix: Solid

Analysis Batch: 23033

Client Sample ID: SF-12

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	6500		1250	7600	E 4	mg/Kg		88	90 - 110		

Lab Sample ID: 890-2161-11 MSD

Matrix: Solid

Analysis Batch: 23033

Client Sample ID: SF-12

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	6500		1250	7628	E 4	mg/Kg		90	90 - 110	0	20

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw #8

Job ID: 890-2161-1
SDG: 5198

HPLC/IC

Leach Batch: 22827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2161-1	SW-2A	Soluble	Solid	DI Leach	
890-2161-2	SW-6A	Soluble	Solid	DI Leach	
890-2161-3	SEW-3A	Soluble	Solid	DI Leach	
890-2161-4	SW-8A	Soluble	Solid	DI Leach	
890-2161-5	SW-1A	Soluble	Solid	DI Leach	
890-2161-6	SF-7	Soluble	Solid	DI Leach	
890-2161-7	SF-8	Soluble	Solid	DI Leach	
890-2161-8	SF-9	Soluble	Solid	DI Leach	
MB 880-22827/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-22827/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-22827/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-13183-A-1-E MS	Matrix Spike	Soluble	Solid	DI Leach	
880-13183-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-13183-A-11-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-13183-A-11-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 22961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2161-9	SF-10	Soluble	Solid	DI Leach	
890-2161-10	SF-11	Soluble	Solid	DI Leach	
890-2161-11	SF-12	Soluble	Solid	DI Leach	
890-2161-12	SF-13	Soluble	Solid	DI Leach	
890-2161-13	SF-14	Soluble	Solid	DI Leach	
890-2161-14	SF-15	Soluble	Solid	DI Leach	
890-2161-15	SF-16	Soluble	Solid	DI Leach	
890-2161-16	SF-17	Soluble	Solid	DI Leach	
890-2161-17	SF-18	Soluble	Solid	DI Leach	
890-2161-18	SW-9	Soluble	Solid	DI Leach	
890-2161-19	SW-10	Soluble	Solid	DI Leach	
890-2161-20	SW-11	Soluble	Solid	DI Leach	
MB 880-22961/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-22961/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-22961/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2161-11 MS	SF-12	Soluble	Solid	DI Leach	
890-2161-11 MSD	SF-12	Soluble	Solid	DI Leach	

Analysis Batch: 23029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2161-1	SW-2A	Soluble	Solid	300.0	22827
890-2161-2	SW-6A	Soluble	Solid	300.0	22827
890-2161-3	SEW-3A	Soluble	Solid	300.0	22827
890-2161-4	SW-8A	Soluble	Solid	300.0	22827
890-2161-5	SW-1A	Soluble	Solid	300.0	22827
890-2161-6	SF-7	Soluble	Solid	300.0	22827
890-2161-7	SF-8	Soluble	Solid	300.0	22827
890-2161-8	SF-9	Soluble	Solid	300.0	22827
MB 880-22827/1-A	Method Blank	Soluble	Solid	300.0	22827
LCS 880-22827/2-A	Lab Control Sample	Soluble	Solid	300.0	22827
LCSD 880-22827/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	22827
880-13183-A-1-E MS	Matrix Spike	Soluble	Solid	300.0	22827
880-13183-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	22827

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw #8

Job ID: 890-2161-1
SDG: 5198

HPLC/IC (Continued)

Analysis Batch: 23029 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13183-A-11-C MS	Matrix Spike	Soluble	Solid	300.0	22827
880-13183-A-11-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	22827

Analysis Batch: 23033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2161-9	SF-10	Soluble	Solid	300.0	22961
890-2161-10	SF-11	Soluble	Solid	300.0	22961
890-2161-11	SF-12	Soluble	Solid	300.0	22961
890-2161-12	SF-13	Soluble	Solid	300.0	22961
890-2161-13	SF-14	Soluble	Solid	300.0	22961
890-2161-14	SF-15	Soluble	Solid	300.0	22961
890-2161-15	SF-16	Soluble	Solid	300.0	22961
890-2161-16	SF-17	Soluble	Solid	300.0	22961
890-2161-17	SF-18	Soluble	Solid	300.0	22961
890-2161-18	SW-9	Soluble	Solid	300.0	22961
890-2161-19	SW-10	Soluble	Solid	300.0	22961
890-2161-20	SW-11	Soluble	Solid	300.0	22961
MB 880-22961/1-A	Method Blank	Soluble	Solid	300.0	22961
LCS 880-22961/2-A	Lab Control Sample	Soluble	Solid	300.0	22961
LCSD 880-22961/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	22961
890-2161-11 MS	SF-12	Soluble	Solid	300.0	22961
890-2161-11 MSD	SF-12	Soluble	Solid	300.0	22961

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw #8

Job ID: 890-2161-1
SDG: 5198

Client Sample ID: SW-2A

Date Collected: 03/29/22 10:00

Date Received: 03/31/22 16:37

Lab Sample ID: 890-2161-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	22827	04/01/22 15:04	CH	XEN MID
Soluble	Analysis	300.0		1			23029	04/05/22 16:13	CH	XEN MID

Client Sample ID: SW-6A

Date Collected: 03/29/22 10:02

Date Received: 03/31/22 16:37

Lab Sample ID: 890-2161-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	22827	04/01/22 15:04	CH	XEN MID
Soluble	Analysis	300.0		5			23029	04/04/22 21:36	CH	XEN MID

Client Sample ID: SEW-3A

Date Collected: 03/29/22 10:20

Date Received: 03/31/22 16:37

Lab Sample ID: 890-2161-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	22827	04/01/22 15:04	CH	XEN MID
Soluble	Analysis	300.0		1			23029	04/05/22 16:22	CH	XEN MID

Client Sample ID: SW-8A

Date Collected: 03/29/22 10:04

Date Received: 03/31/22 16:37

Lab Sample ID: 890-2161-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	22827	04/01/22 15:04	CH	XEN MID
Soluble	Analysis	300.0		5			23029	04/04/22 21:54	CH	XEN MID

Client Sample ID: SW-1A

Date Collected: 03/29/22 10:06

Date Received: 03/31/22 16:37

Lab Sample ID: 890-2161-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	22827	04/01/22 15:04	CH	XEN MID
Soluble	Analysis	300.0		5			23029	04/04/22 22:03	CH	XEN MID

Client Sample ID: SF-7

Date Collected: 03/29/22 10:54

Date Received: 03/31/22 16:37

Lab Sample ID: 890-2161-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	22827	04/01/22 15:04	CH	XEN MID
Soluble	Analysis	300.0		10			23029	04/05/22 16:31	CH	XEN MID

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Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw #8

Job ID: 890-2161-1
SDG: 5198

Client Sample ID: SF-8

Date Collected: 03/29/22 10:56

Date Received: 03/31/22 16:37

Lab Sample ID: 890-2161-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	22827	04/01/22 15:04	CH	XEN MID
Soluble	Analysis	300.0		10			23029	04/04/22 22:21	CH	XEN MID

Client Sample ID: SF-9

Date Collected: 03/29/22 10:58

Date Received: 03/31/22 16:37

Lab Sample ID: 890-2161-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	22827	04/01/22 15:04	CH	XEN MID
Soluble	Analysis	300.0		20			23029	04/04/22 22:30	CH	XEN MID

Client Sample ID: SF-10

Date Collected: 03/29/22 11:00

Date Received: 03/31/22 16:37

Lab Sample ID: 890-2161-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	22961	04/04/22 14:42	SC	XEN MID
Soluble	Analysis	300.0		20			23033	04/06/22 12:01	CH	XEN MID

Client Sample ID: SF-11

Date Collected: 03/29/22 11:02

Date Received: 03/31/22 16:37

Lab Sample ID: 890-2161-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	22961	04/04/22 14:42	SC	XEN MID
Soluble	Analysis	300.0		20			23033	04/06/22 12:10	CH	XEN MID

Client Sample ID: SF-12

Date Collected: 03/29/22 11:04

Date Received: 03/31/22 16:37

Lab Sample ID: 890-2161-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	22961	04/04/22 14:42	SC	XEN MID
Soluble	Analysis	300.0		5			23033	04/07/22 02:28	CH	XEN MID

Client Sample ID: SF-13

Date Collected: 03/29/22 11:06

Date Received: 03/31/22 16:37

Lab Sample ID: 890-2161-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	22961	04/04/22 14:42	SC	XEN MID
Soluble	Analysis	300.0		10			23033	04/07/22 02:55	CH	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw #8

Job ID: 890-2161-1
SDG: 5198

Client Sample ID: SF-14

Lab Sample ID: 890-2161-13

Date Collected: 03/29/22 11:08

Matrix: Solid

Date Received: 03/31/22 16:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	22961	04/04/22 14:42	SC	XEN MID
Soluble	Analysis	300.0		20			23033	04/06/22 12:53	CH	XEN MID

Client Sample ID: SF-15

Lab Sample ID: 890-2161-14

Date Collected: 03/29/22 11:10

Matrix: Solid

Date Received: 03/31/22 16:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	22961	04/04/22 14:42	SC	XEN MID
Soluble	Analysis	300.0		10			23033	04/07/22 03:04	CH	XEN MID

Client Sample ID: SF-16

Lab Sample ID: 890-2161-15

Date Collected: 03/29/22 11:12

Matrix: Solid

Date Received: 03/31/22 16:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	22961	04/04/22 14:42	SC	XEN MID
Soluble	Analysis	300.0		10			23033	04/07/22 03:14	CH	XEN MID

Client Sample ID: SF-17

Lab Sample ID: 890-2161-16

Date Collected: 03/29/22 11:14

Matrix: Solid

Date Received: 03/31/22 16:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	22961	04/04/22 14:42	SC	XEN MID
Soluble	Analysis	300.0		10			23033	04/07/22 03:23	CH	XEN MID

Client Sample ID: SF-18

Lab Sample ID: 890-2161-17

Date Collected: 03/29/22 11:16

Matrix: Solid

Date Received: 03/31/22 16:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	22961	04/04/22 14:42	SC	XEN MID
Soluble	Analysis	300.0		10			23033	04/07/22 03:32	CH	XEN MID

Client Sample ID: SW-9

Lab Sample ID: 890-2161-18

Date Collected: 03/29/22 10:08

Matrix: Solid

Date Received: 03/31/22 16:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	22961	04/04/22 14:42	SC	XEN MID
Soluble	Analysis	300.0		1			23033	04/07/22 03:41	CH	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw #8

Job ID: 890-2161-1
SDG: 5198

Client Sample ID: SW-10**Lab Sample ID: 890-2161-19****Date Collected: 03/29/22 10:50****Matrix: Solid****Date Received: 03/31/22 16:37**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	22961	04/04/22 14:42	SC	XEN MID
Soluble	Analysis	300.0		1			23033	04/07/22 03:51	CH	XEN MID

Client Sample ID: SW-11**Lab Sample ID: 890-2161-20****Date Collected: 03/29/22 10:52****Matrix: Solid****Date Received: 03/31/22 16:37**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	22961	04/04/22 14:42	SC	XEN MID
Soluble	Analysis	300.0		1			23033	04/07/22 04:18	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw #8

Job ID: 890-2161-1
SDG: 5198

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

Method Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw #8

Job ID: 890-2161-1
SDG: 5198

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

- ASTM = ASTM International
- MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

- XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Ranger Environmental Services, Inc
Project/Site: Ross Draw #8

Job ID: 890-2161-1
SDG: 5198

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2161-1	SW-2A	Solid	03/29/22 10:00	03/31/22 16:37	0 - 6
890-2161-2	SW-6A	Solid	03/29/22 10:02	03/31/22 16:37	0 - 6
890-2161-3	SEW-3A	Solid	03/29/22 10:20	03/31/22 16:37	0 - 4
890-2161-4	SW-8A	Solid	03/29/22 10:04	03/31/22 16:37	0 - 6
890-2161-5	SW-1A	Solid	03/29/22 10:06	03/31/22 16:37	0 - 6
890-2161-6	SF-7	Solid	03/29/22 10:54	03/31/22 16:37	6
890-2161-7	SF-8	Solid	03/29/22 10:56	03/31/22 16:37	6
890-2161-8	SF-9	Solid	03/29/22 10:58	03/31/22 16:37	6
890-2161-9	SF-10	Solid	03/29/22 11:00	03/31/22 16:37	6
890-2161-10	SF-11	Solid	03/29/22 11:02	03/31/22 16:37	6
890-2161-11	SF-12	Solid	03/29/22 11:04	03/31/22 16:37	6
890-2161-12	SF-13	Solid	03/29/22 11:06	03/31/22 16:37	6
890-2161-13	SF-14	Solid	03/29/22 11:08	03/31/22 16:37	6
890-2161-14	SF-15	Solid	03/29/22 11:10	03/31/22 16:37	6
890-2161-15	SF-16	Solid	03/29/22 11:12	03/31/22 16:37	6
890-2161-16	SF-17	Solid	03/29/22 11:14	03/31/22 16:37	6
890-2161-17	SF-18	Solid	03/29/22 11:16	03/31/22 16:37	6
890-2161-18	SW-9	Solid	03/29/22 10:08	03/31/22 16:37	0 - 6
890-2161-19	SW-10	Solid	03/29/22 10:50	03/31/22 16:37	0 - 6
890-2161-20	SW-11	Solid	03/29/22 10:52	03/31/22 16:37	0 - 6



Environment Testing
Xenco

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

Work Order No: _____

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Page 1 of 2

Project Manager:	Max Cook	Bill to: (if different)	EOG Resources Inc.
Company Name:	Ranger Environmental	Company Name:	90 Kern Plaza
Address:	PO Box 801179	Address:	Champaign, IL
City, State ZIP:	Austin TX 78720	City, State ZIP:	Midland TX 79706
Phone:	512-335-1795	Email:	Max@Rangerenv.com

Program: ☐ UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐ State of Project: <u>New Mexico</u> Reporting: Level I ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐ Deliverables: EDD ☐ ADAPT ☐ Other: _____	

ANALYSIS REQUEST

Project Name:	Rox Dams #8	Turn Around	Pres. Code	
Project Number:	5193	☐ Routine ☒ Rush		
Project Location:	Eddy County	Due Date:		
Sampler's Name:	W. Kennedy	TAT starts the day received by the lab, if received by 4:30pm		
PO #:				
SAMPLE RECEIPT	Temp Blank: ☒ Yes ☒ No	Wet Ice: ☒ Yes ☒ No		
Samples Received In tact:	☒ Yes ☒ No	Thermometer ID:	711001	
Cooler Custody Seals:	Yes ☒ No ☒ N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes ☒ No ☒ N/A	Temperature Reading:	5.6	
Total Containers:		Corrected Temperature:	5.4	



890-2161 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Preservative Codes

SWS-A-A	Soil	3/29/12	1000	0'-6"		1x	Chloride (EPA 300)	
SWS-G-A								
SEW-3-A								
SWS-8-A								
SWS-1-A								
SE-A								
SE-B								
SE-C								
SE-D								
SE-E								
SE-F								
SE-G								
SE-H								
SE-I								
SE-J								
SE-K								
SE-L								
SE-M								
SE-N								
SE-O								
SE-P								
SE-Q								
SE-R								
SE-S								
SE-T								
SE-U								
SE-V								
SE-W								
SE-X								
SE-Y								
SE-Z								

Total	200.7 / 6010	200.8 / 6020:	8RCRA 13PPM	Texas 11	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Mo	Ni	K	Se	Ag	SiO ₂	Na	Sr	Ti	Sn	U	V	Zn
Circle Method(s) and Metal(s) to be analyzed	TCLP / SPLP 6010: 8RCRA		Sb	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Mn	Mo	Ni	Se	Ag	Ti	U	Hg: 1631 / 245.1 / 7470 / 7471													

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
W. Kennedy	[Signature]	3/31/12 4:57			



Environment Testing
Xenco

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

Work Order No: _____

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Page 2 of 2

Project Manager:	Max Cook	Bill to: (if different)	EOG Resources Inc
Company Name:	Ranger Environmental	Company Name:	EOG Resources Inc
Address:	PO Box 201179	Address:	Chapman Dr.
City, State ZIP:	Austin, TX 78794	City, State ZIP:	Midland, TX 79706
Phone:	512-335-1984	Email:	Max@Rangerenv.com

Program: UST/PST	PRP	Brownfields	RRC	Superfund
State of Project:	New Mexico			
Reporting: Level II	Level III	PST/UST	TRRP	Level IV
Deliverables: EDD	ADAPT	Other:		

Project Name:	Poss Draw H8	Turn Around	Prep. Code	ANALYSIS REQUEST	Preservative Codes
Project Number:	5198	☐ Routine ☒ Rush	72H		None: NO DI Water: H ₂ O
Project Location:	Eddy County	Due Date:			Cool: Cool MeOH: Me
Sampler's Name:	W. Kennedy	TAT starts the day received by the lab. If received by 4:30pm			HCL: HC HNO ₃ : HN
PO #:					H ₂ SO ₄ : H ₂ NaOH: Na
SAMPLE RECEIPT	Temp Blank: ☒ No	Wet Ice: ☒ No			H ₃ PO ₄ : HP
Samples Received Intact:	☒ Yes ☐ No	Thermometer ID:	Turned		NaHSO ₄ : NABIS
Cooler Custody Seals:	☒ Yes ☐ No	Correction Factor:	-0.2		Na ₂ S ₂ O ₃ : NaSO ₃
Sample Custody Seals:	☒ Yes ☐ No	Temperature Reading:	5.6		Zn Acetate+NaOH: Zn
Total Containers:		Corrected Temperature:	5.4		NaOH+Ascorbic Acid: SABC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Sample Comments
SE-12	Soil	3/29/22	1104	6'		1	Chloride (EPA 300)	
SE-13			1106	6'		1		
SE-14			1108	6'		1		
SE-15			1110	6'		1		
SE-16			1112	6'		1		
SE-17			1114	6'		1		
SE-18			1116	6'		1		
SW-9			1006	0'-6"		1		
SW-10			1056	0'-6"		1		
SW-11			1052	0'-6"		1		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$35.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
W. Kennedy	W. Kennedy	3/31/22 4:32			

Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 890-2161-1

SDG Number: 5198

Login Number: 2161

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 890-2161-1

SDG Number: 5198

Login Number: 2161

List Number: 2

Creator: Teel, Brianna

List Source: Eurofins Midland

List Creation: 04/04/22 07:46 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Incident ID	NAPP2128059178
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☒ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☒ Extents of contamination must be fully delineated.
- ☒ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Todd Wells Title: Environmental Specialist
Signature: Todd Wells Date: 5/25/22
email: Todd_Wells@eogresources.com Telephone: (432) 686-3613

OCD Only

Received by: Robert Hamlet Date: 4/26/2023

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☒ Deferral Approved

Signature: Robert Hamlet Date: 4/26/2023

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 165830

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 165830
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	EOG's deferral requests to complete final remediation during any future major construction/alteration or final plugging/abandonment, whichever occurs first. Carmona Resources and EOG do not believe deferment will result in imminent risk to human health, the environment, or groundwater. The areas requested for deferral are "NEF-1", "N-1", "NEW-1", "NW-1", "NW-2", "Excavation-5 W-2", "Excavation-5 W-3", "Excavation-5 W-4", and "Excavation-5 W-5". The areas have been delineated and documented in the report. At this time, OCD approves this request. The Deferral Request and C-141 will be accepted for record and marked accordingly. The release will remain open in OCD database files and reflect an open environmental issue. This is a federal site and will require like approval from BLM.	4/26/2023