

CARMONA RESOURCES



SITE INFORMATION

Closure Report
Cedar Lake 35 Federal Com #2
Eddy County, New Mexico
2RP-3715
Unit P Sec 35 T17S R30E
32.786097°, -103.937150°

Crude Oil Release
Point of Release: Oil Tank Bottom Rotted Out
Release Date: 05/30/2016
Volume Released: 188 Barrels of Crude Oil
Volume Recovered: 2 Barrels of Crude Oil

CARMONA RESOURCES



Prepared for:
EOG Resources
5509 Champions Drive
Midland, TX 79706

Prepared by:
Carmona Resources, LLC
310 West Wall Street
Suite 500
Midland, Texas 79701

310 West Wall Street, Suite 500
Midland TX, 79701
432.813.1992

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June 26, 2023

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

**Re: Closure Report
Cedar Lake Federal Com #2
EOG Resources Inc.
Incident #: 2RP-3715
Site Location: Unit P Sec 35 T17S R30E
(Lat 32.786097°, Long -103.937150°)
Eddy County, New Mexico**

Mr. Bratcher:

On behalf of EOG Resources Inc. (EOG), Carmona Resources, LLC has prepared this letter to document the Cedar Lake Federal Com #2 site activities. The site is located at 32.786097°, -103.937150° within Unit P Sec 35 T17S R30E, 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 May 30, 2016. The cause of the release is a rotten out tank bottom. It released approximately one-eighty-eight (188) barrels of crude oil. Approximately two (2) barrels of crude oil were recovered. The impacted area occurred on the pad shown in Figure 3. The initial C-141 form is attached in Appendix C.

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, no known water source is within a 0.50-mile radius of the location. The nearest identified well is approximately 3.63 miles Southwest of the site in S22, T18S, R30E and was drilled in 1990. The well has a reported depth to groundwater of 227.03' feet below the ground surface (ft bgs). A copy of the associated Summary Report is attached in Appendix D.

On June 23, 2021, a third-party contractor was onsite to drill a groundwater determination bore 55' below the ground surface within a 0.50-mile radius of the location. The groundwater determination bore is located approximately 0.04 miles Northwest of the site at 32.786475, -103.937728 in S35, T17S, R30E. The bore was left open for 72 hours and tagged with a water level meter. The bore has shown no signs of water at a depth of 55' below the ground surface (bgs). A copy of the groundwater determination bore log is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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- 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 Site Assessment Activities

Initial Assessment

On June 18, 2017, a third-party contractor was on location to conduct an initial assessment of the release. A total of eight (8) direct push samples were advanced to depths ranging from surface to 15' bgs inside the release areas to evaluate the vertical extent. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to PBE Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. The sample locations are shown in Figure 3.

See Table 1 for the analytical results.

Initial Excavation

Between July 21 and August 23, 2016, a third party excavated approximately 324 cubic yards of soil from the spill area. The soil was excavated from around the tanks and outside the firewall to a maximum depth of approximately 10 feet bgs (SS-9-10) near the southwest corner of the tank battery. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to PBE Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. The sample locations are shown in Figure 4.

On August 24, 2016, during a conference call between EOG, the third-party contractor, and Ms. Heather Patterson with NMOCD District 2, OCD agreed to defer remediation of the residual hydrocarbons until the facility's abandonment. The request for deferral is based on the ability to safely remediate the hydrocarbons without risking damage to the integrity of the tank battery. The Site has been sufficiently delineated to show a reduction of the BTEX and TPH levels in the soil. See Appendix C for email correspondence and approval of deferral.

Additional Site Assessment Activities

On April 7, 2021, a third-party contractor performed site assessment activities to evaluate soil impacts stemming from the release. A total of seven (7) trenches (S-1 through S-7) were advanced to depths ranging from the surface to 12' bgs inside the release areas to evaluate the vertical extent. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method



300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. The sample locations are shown in Figure 5.

See Table 3 for the analytical results.

5.0 Remediation Activities

Before remediation activities, EOG Resources removed all equipment and lines to ensure the site could be safely accessed and remediated to the full extent. Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via email on May 15, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. Before any remediation activities. A total of seven (7) floor confirmation samples were collected (CS-1 through CS-7), and twenty-four (24) sidewall samples (SW-1 through SW-24) 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 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 6.

The confirmation samples (CS-1, CS-2, CS-3, and CS-5) showed elevated TPH and BTEX levels greater than 1,000 mg/kg and 50 mg/kg. They were excavated to an additional 1.25-1.5' to remove contaminated soil and were re-collected.

All final confirmation samples were below the reclamation and regulatory requirements for TPH, BTEX, and chloride. Refer to Table 4.

Once remediation activities were completed, the excavated areas were backfilled with clean material. A total of 430 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. If you have any questions regarding this report or need additional information, please get in touch with us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

A handwritten signature in black ink, appearing to read "Mike Carmona".

Mike Carmona
Environmental Manager

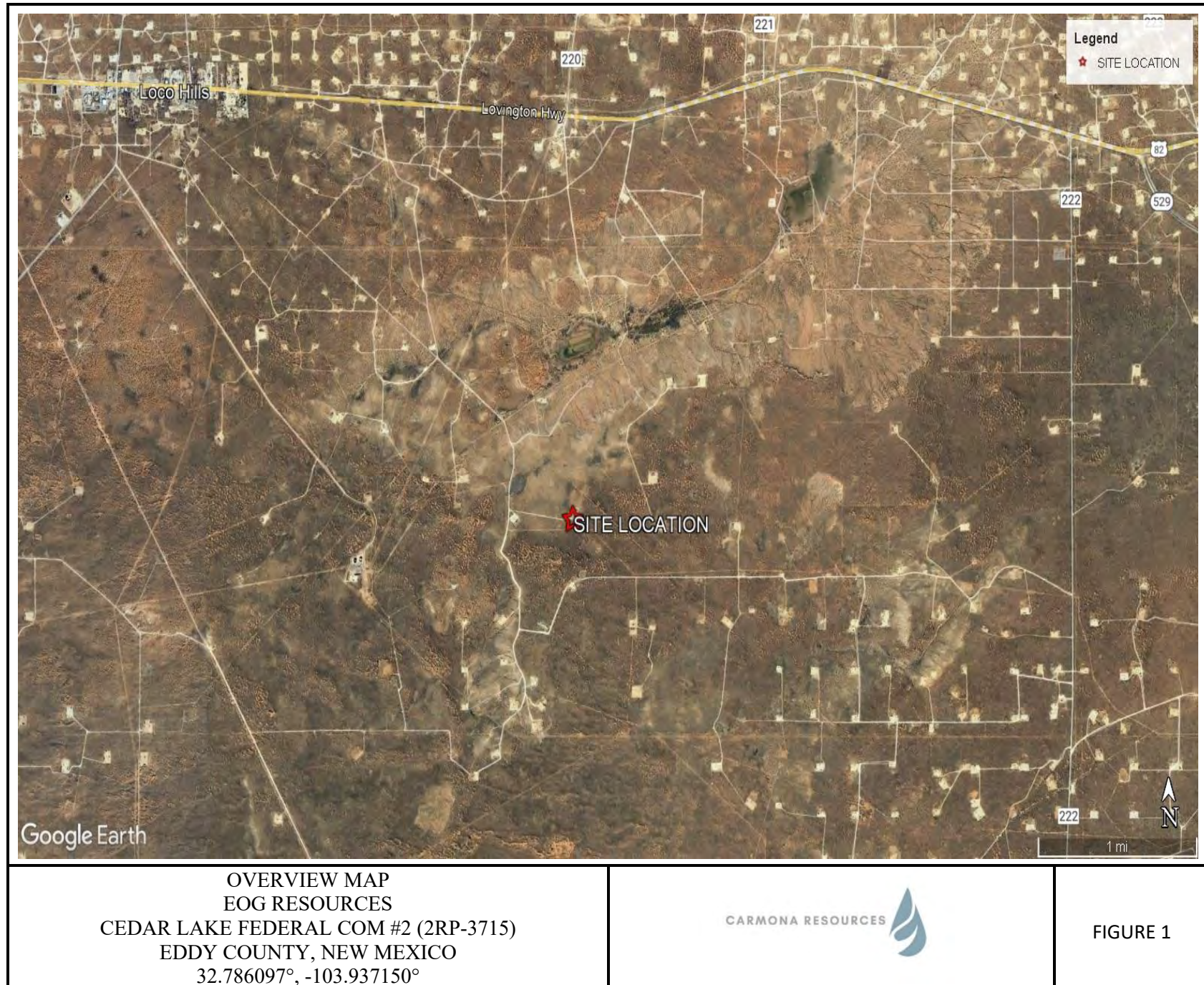
A handwritten signature in black ink, appearing to read "Conner Moehring".

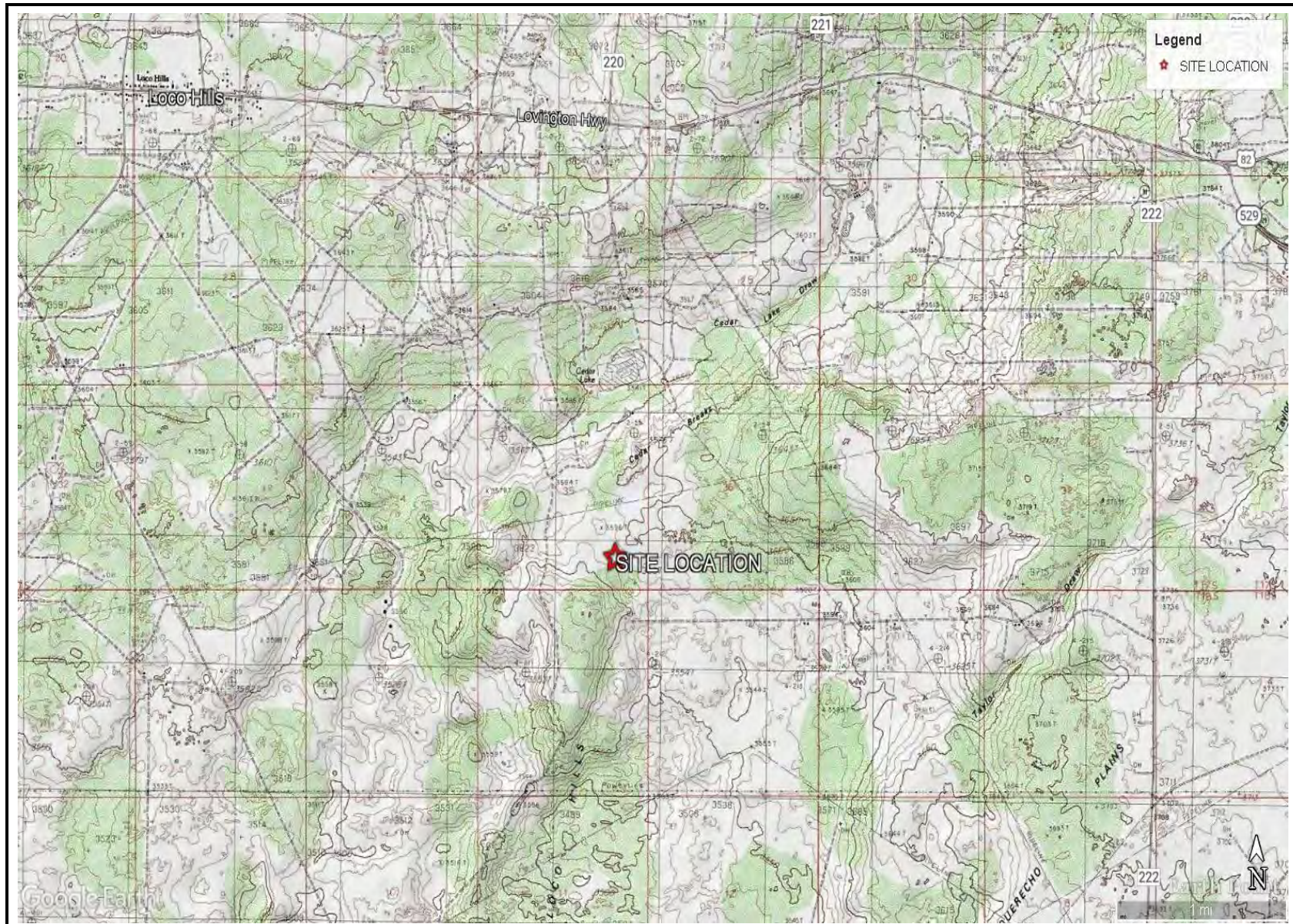
Conner Moehring
Sr. Project Manager

FIGURES

CARMONA RESOURCES



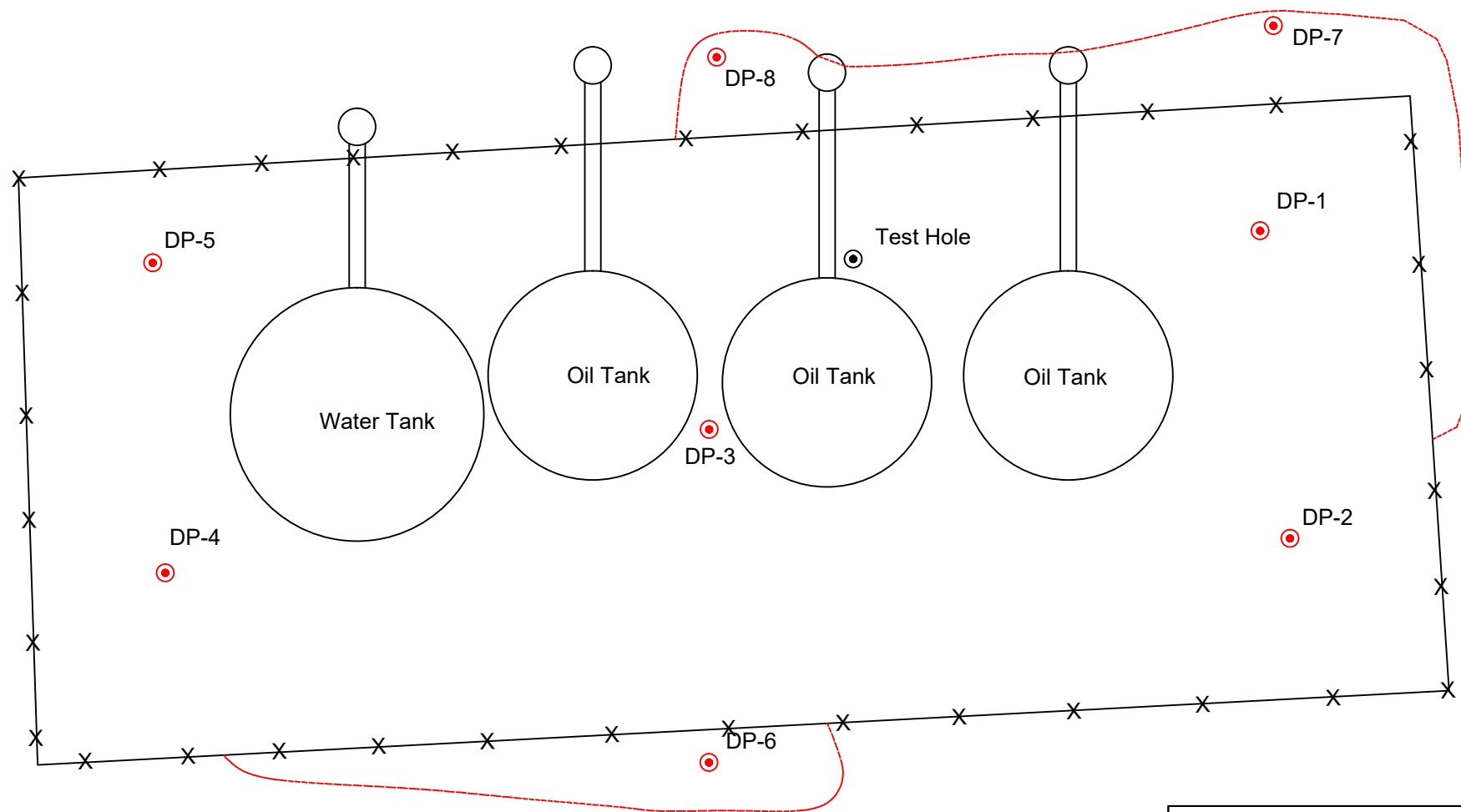




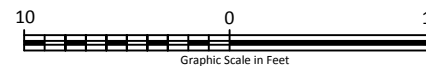
TOPOGRAPHIC MAP
EOG RESOURCES
CEDAR LAKE FEDERAL COM #2 (2RP-3715)
EDDY COUNTY, NEW MEXICO
32.786097°, -103.937150°



FIGURE 2



- Legend**
- - Proposed Direct Push Soil Sample Location
 - ⊙ - Test Hole
 - - Spill Area Outside Containment



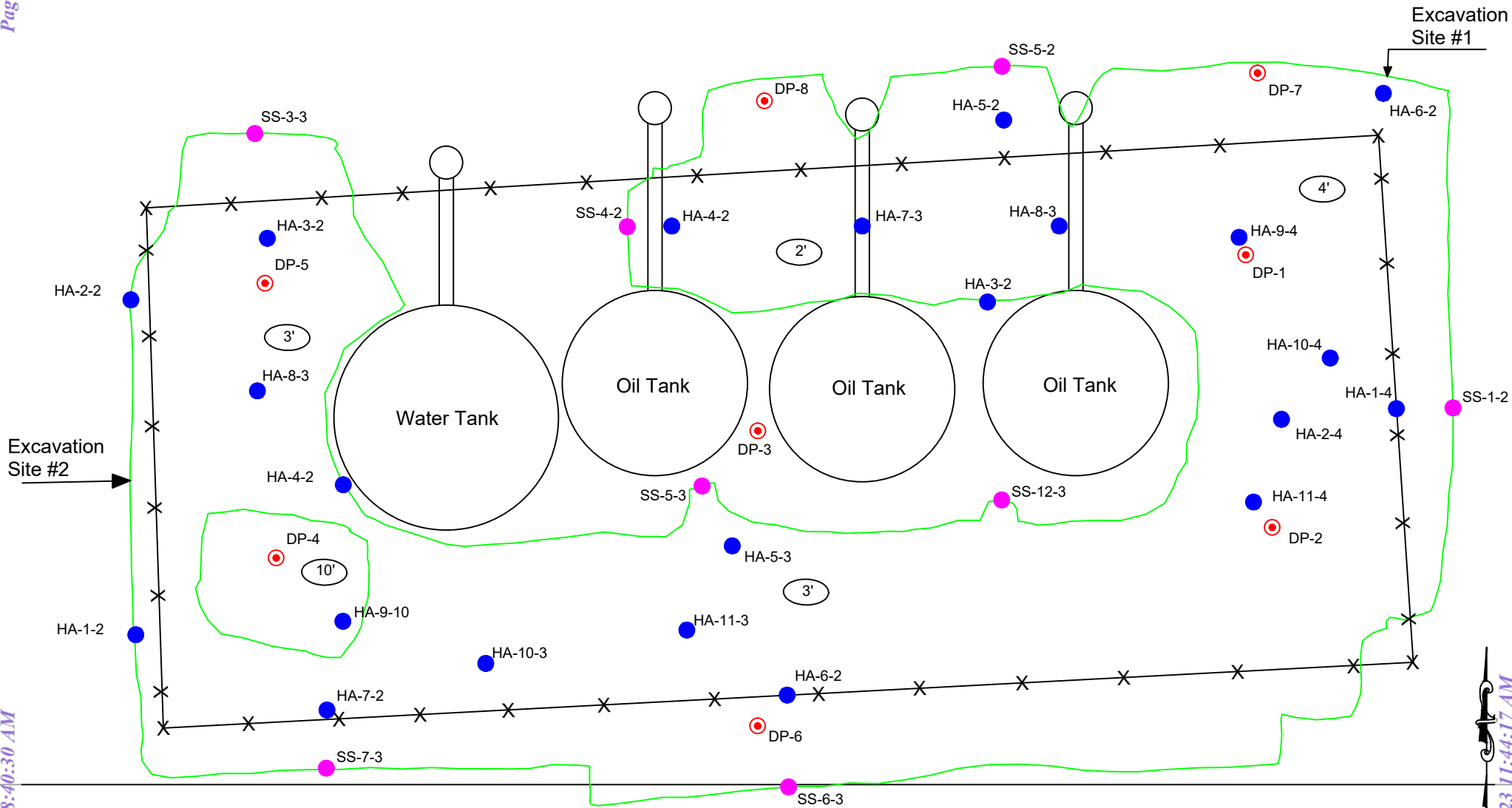
EOG Resources, Inc.
Cedar Lake 35 Fed Com 2
Eddy County, New Mexico
32° 47' 11.7600" N
103° 56' 13.2000" W

FIGURE 3

Figure 3 - Site Map Showing Direct Push Soil Sample Locations, June 7-8, 2016

8.5" x 11"

Received by OCE 6/27/2023 8:40:30 AM
Released to Imaging: 7/1/2023 11:44:17 AM



Legend

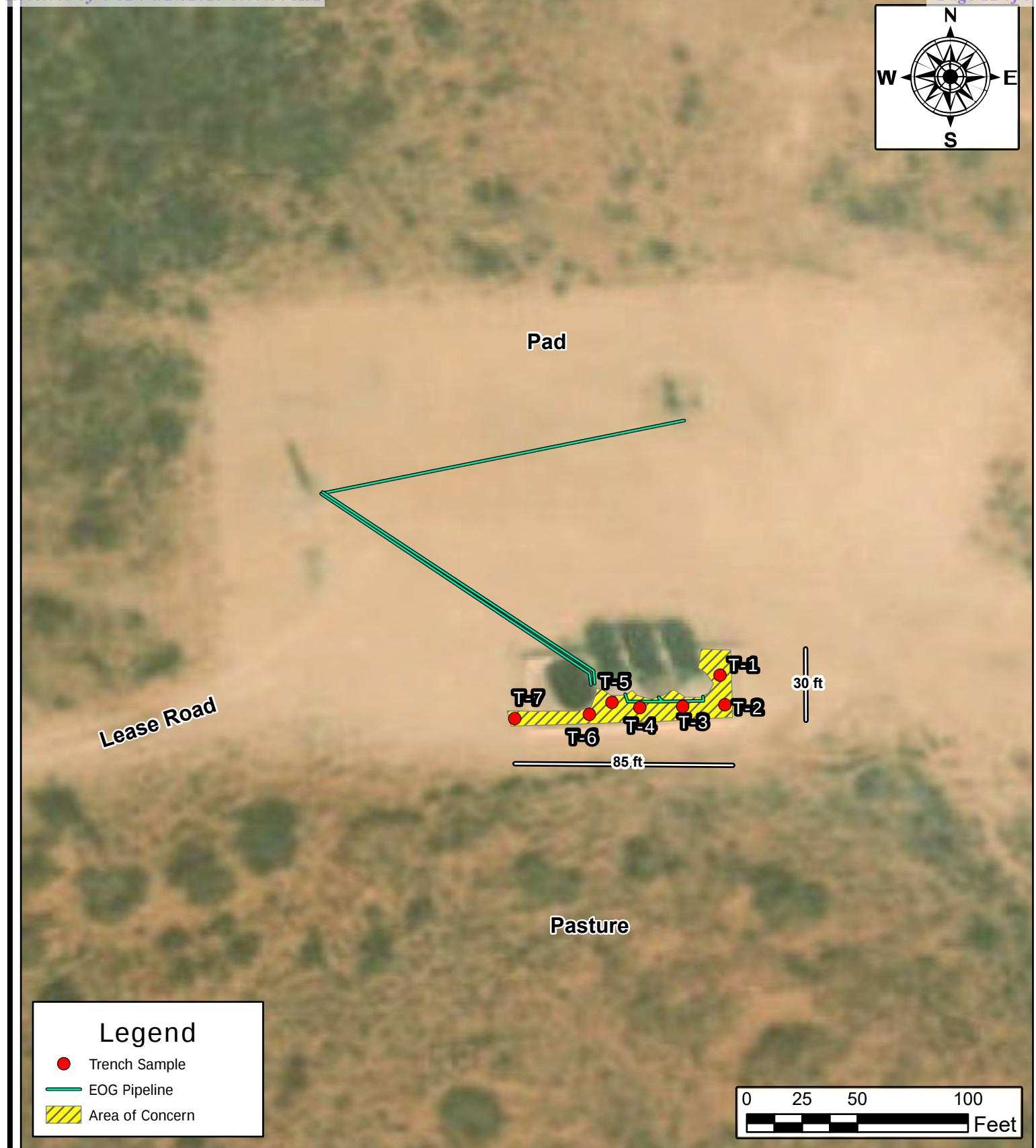
- SS-7-3 - Soil Sample Location, August 10-23, 2016
- DP-1 - Direct Push Soil Sample Location, June 7-8, 2016
- HA-6-2 - Hand Auger Sample Location, July 22 & August 5, 2016
- Spill Area Outside Containment
- Excavation and Depth, Feet BGS



EOG Resources, Inc.
Cedar Lake 35 Fed Com 2
Eddy County, New Mexico
32° 47' 11.7600" N
103° 56' 13.2000" W

FIGURE 4

Figure 4 - Site Map Showing Soil Sample Locations



EXCAVATION DEPTH MAP
EOG RESOURCES
 CEDAR LAKE 35 FEDERAL COM #2 (2RP-3715)
 EDDY COUNTY, NEW MEXICO
 32.786097, -103.937150

SCALE: As Shown

Date: 6/1/2023



Carmona Resources
 310 West Wall Street, Suite 500
 Midland, Texas 79701

NOTES:

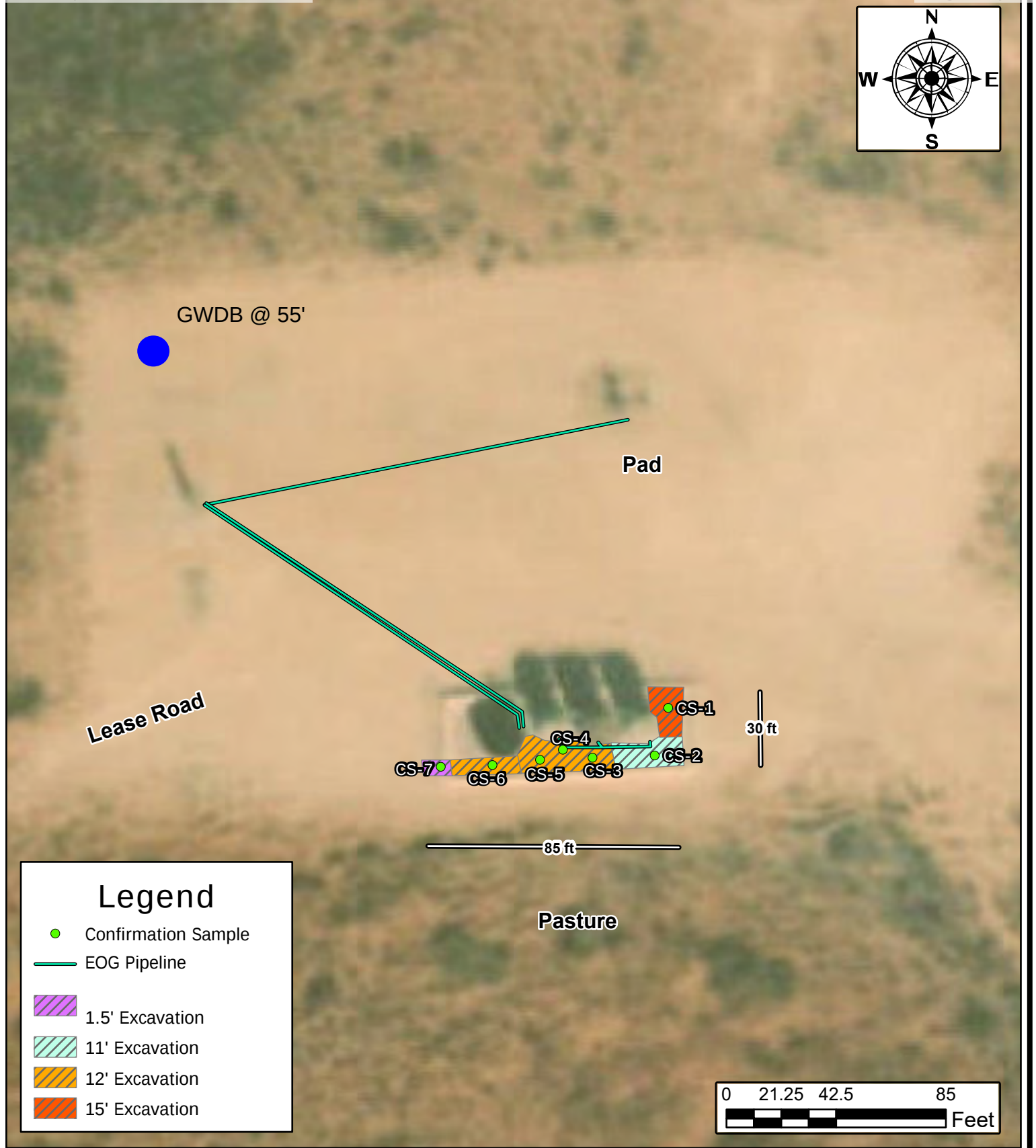
1. Base Image: ESRI Maps & Data 2023
2. Map Projection: WGS84

DRAWING NUMBER:

FIGURE 5

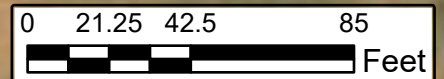
SHEET NUMBER:

1 of 1



Legend

- Confirmation Sample
- EOG Pipeline
- 1.5' Excavation
- 11' Excavation
- 12' Excavation
- 15' Excavation



**EXCAVATION DEPTH MAP
EOG RESOURCES**
CEDAR LAKE 35 FEDERAL COM #2 (2RP-3715)
EDDY COUNTY, NEW MEXICO
32.786097, -103.937150

SCALE: As Shown

Date: 6/1/2023



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NOTES:

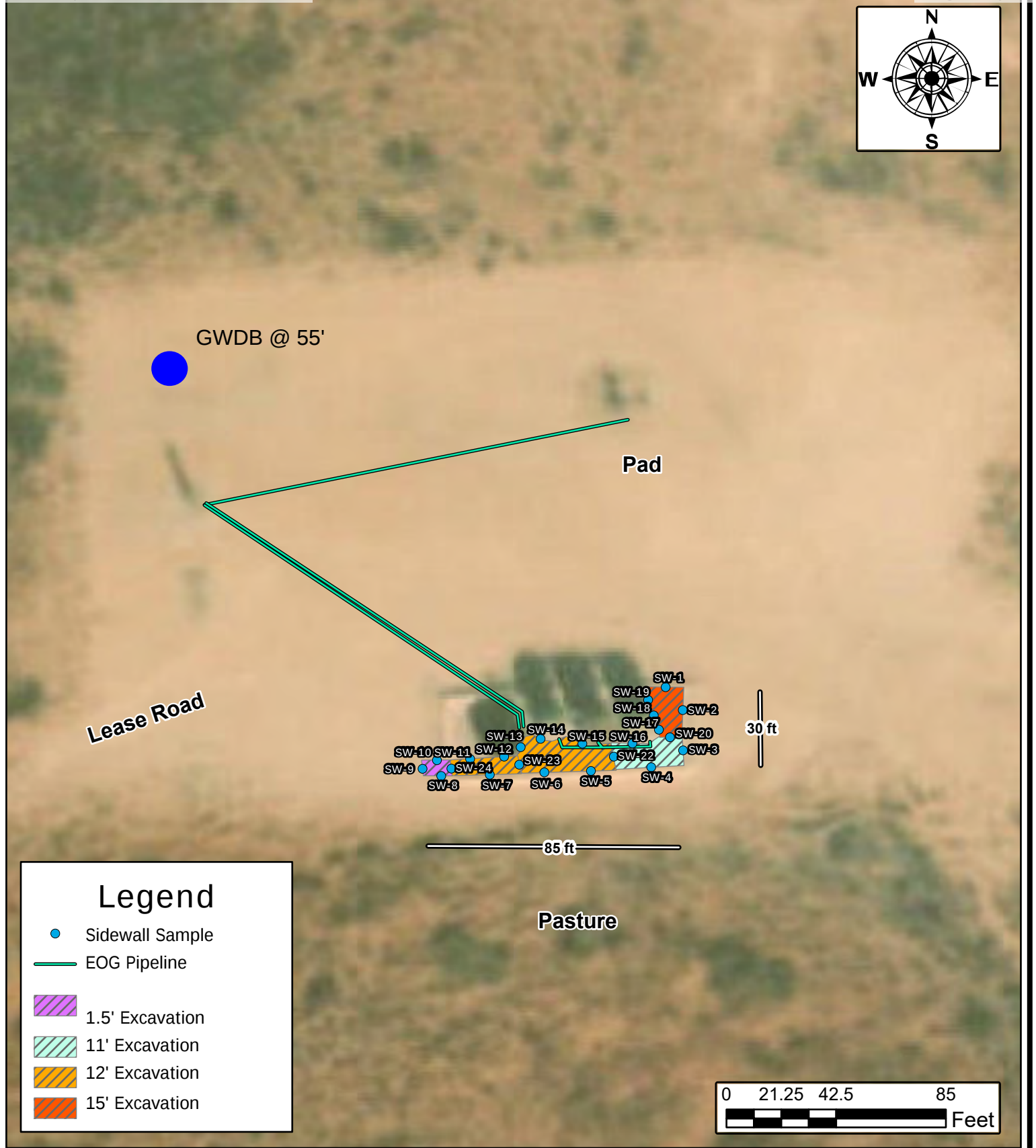
1. Base Image: ESRI Maps & Data 2023
2. Map Projection: WGS84

DRAWING NUMBER:

FIGURE 6A

SHEET NUMBER:

1 of 2



Legend

- Sidewall Sample
- EOG Pipeline
- 1.5' Excavation
- 11' Excavation
- 12' Excavation
- 15' Excavation

EXCAVATION DEPTH MAP
EOG RESOURCES
 CEDAR LAKE 35 FEDERAL COM #2 (2RP-3715)
 EDDY COUNTY, NEW MEXICO
 32.786097, -103.937150

SCALE: As Shown

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NOTES:

1. Base Image: ESRI Maps & Data 2023
2. Map Projection: WGS84

DRAWING NUMBER:

FIGURE 6B

SHEET NUMBER:

2 of 2

APPENDIX A

CARMONA RESOURCES



Table 1
Investigation Soil Sample Analytical Data Summary
EOG Resources, Inc., Cedar Lake Fed Com No. 2 Tank Battery Spill
Unit P, Section 35, Township 17 South, Range 30 East
Eddy County, New Mexico
2RP-3715

Sample	Depth (Feet)	Collection Date	Status	PID (ppm)	Benzene (mg/Kg)	BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	ORO (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
OCD RRAL:				10	50					5,000	*250
DP-1	0 - 2	6/7/2016	In-Situ	954	--	--	--	--	--	--	--
	2 - 4	6/7/2016	In-Situ	1040	0.0989	11.35	5020	4990	410	10400	182
	4 - 6	6/7/2016	In-Situ	908	--	--	3040	3910	506	7460	--
	6 - 8	6/7/2016	In-Situ	32	--	--	--	--	--	--	--
	8 - 10	6/7/2016	In-Situ	867	<0.00108	0.1765	46.8	235	39.2	321	29.7
	10 - 12	6/7/2016	In-Situ	29	--	--	--	--	--	--	--
	12 - 14	6/7/2016	In-Situ	510	<0.00111	0.0639	129	429	33.7	591.7	261
	14 - 15	6/7/2016	In-Situ	6	<0.00109	<0.00217	<27.2	<27.2	<27.2	<27.2	188
DP-2	0 - 2	6/7/2016	In-Situ	741	--	--	--	--	--	--	--
	2 - 4	6/7/2016	In-Situ	1083	<0.00108	0.2038	279	343	<26.9	622	5.31
	4 - 6	6/7/2016	In-Situ	810	<0.00108	0.05259	113	256	<26.9	370	4.84
	6 - 8	6/7/2016	In-Situ	36	--	--	--	--	--	--	--
	8 - 10	6/7/2016	In-Situ	177	0.00252	0.08912	59.1	250	<28.7	309.1	8.31
	10 - 12	6/7/2016	In-Situ	11	<0.00125	0.01153	<31.2	<31.2	<31.2	<31.2	22.70
DP-3	0 - 2	6/7/2016	In-Situ	766	0.00471	0.81801	1490	1480	108	3080	3.71
	2 - 4	6/7/2016	In-Situ	50	--	--	--	--	--	--	--
	4 - 6	6/7/2016	In-Situ	48	<0.00104	<0.00208	<26.0	<26.0	<26.0	<26.0	3.91
	6 - 8	6/7/2016	In-Situ	13	--	--	--	--	--	--	--
	8 - 10	6/7/2016	In-Situ	117	<0.00123	0.01459	<30.9	76.50	<30.9	76.5	37.2
DP-4	0 - 2	6/7/2016	In-Situ	406	0.286	22.886	3740	4390	351	8490	4.33
	2 - 4	6/7/2016	In-Situ	393	--	--	--	--	--	--	--
	4 - 6	6/7/2016	In-Situ	395	4.170	261.87	3760	3600	315	7670	12.8
	6 - 8	6/7/2016	In-Situ	373	--	--	--	--	--	--	--

Table 1
Investigation Soil Sample Analytical Data Summary
EOG Resources, Inc., Cedar Lake Fed Com No. 2 Tank Battery Spill
Unit P, Section 35, Township 17 South, Range 30 East
Eddy County, New Mexico
2RP-3715

	8 - 10	6/7/2016	In-Situ	301	0.00127	0.38647	651	1050	102	1800	13.6
DP-5	0 - 2	6/8/2016	In-Situ	920	3.25	498.05	7710	6410	1070	15190	3.04
	2 - 4	6/8/2016	In-Situ	55	--	--	--	--	--	--	--
	4 - 6	6/8/2016	In-Situ	1054	<0.0208	0.27520	149.0	353.0	55.2	557.2	3.86
	6 - 8	6/8/2016	In-Situ	34	--	--	--	--	--	--	--
	8 - 10	6/8/2016	In-Situ	154	<0.0215	0.08900	65.2	294.0	31.2	390.4	8.08
	10 - 12	6/8/2016	In-Situ	27	--	--	--	--	--	--	--
	12 - 14	6/8/2016	In-Situ	4	<0.00106	0.00883	<26.6	<26.6	<26.6	<26.6	69.0
	14 - 15	6/8/2016	In-Situ	4	--	--	--	--	--	--	--
DP-6	0 - 2	6/7/2016	In-Situ	883	2.76	512.46	8630	13200	1130	22900	3.86
	2 - 4	6/7/2016	In-Situ	515	<0.0211	1.3157	130.0	486.0	52.9	668.9	3.21
	4 - 6	6/7/2016	In-Situ	39	<0.00103	<0.00206	<25.8	<25.8	<25.8	<25.8	48.90
	6 - 8	6/7/2016	In-Situ	15	--	--	--	--	--	--	--
	8 - 10	6/7/2016	In-Situ	6	<0.00120	<0.00241	<30.1	<30.1	<30.1	<30.1	209.0
	10 - 12	6/7/2016	In-Situ	4	--	--	--	--	--	--	--
DP-7	0 - 2	6/8/2016	In-Situ	682	2.16	366.06	4660	5220	752.0	10600	6.61
	2 - 4	6/8/2016	In-Situ	76	--	--	--	--	--	--	--
	4 - 6	6/8/2016	In-Situ	312	<0.00140	0.13464	124	719	97.7	941	8.45
	6 - 8	6/8/2016	In-Situ	16	--	--	--	--	--	--	--
	8 - 10	6/8/2016	In-Situ	16	<0.00106	0.01139	<26.6	125	<26.6	125	54.70
	10 - 12	6/8/2016	In-Situ	7	--	--	--	--	--	--	--
	12 - 14	6/8/2016	In-Situ	46	<0.0227	<0.0455	<28.4	198	<28.4	198	18.70
DP-8	0 - 2	6/8/2016	In-Situ	704	0.128	57.48	1170	1380	151	2690	5.66
	2 - 4	6/8/2016	In-Situ	27	--	--	--	--	--	--	--
	4 - 6	6/8/2016	In-Situ	167	<0.0208	0.358	<26.0	64	<26.0	64	6.95

Table 1
Investigation Soil Sample Analytical Data Summary
EOG Resources, Inc., Cedar Lake Fed Com No. 2 Tank Battery Spill
Unit P, Section 35, Township 17 South, Range 30 East
Eddy County, New Mexico
2RP-3715

	6 - 8	6/8/2016	In-Situ	13	--	--	--	--	--	--	--
	8 - 10	6/8/2016	In-Situ	5	<0.00118	0.0131	<29.4	<29.4	<29.4	<29.4	31.3

Notes: analysis performed by Permian Basin Environmental Lab, Midland, Texas, by EPA SW-846 method 8015M (TPH) and 300.0 (chloride)

Depth in feet below ground surface (bgs)

mg/Kg: milligrams per kilogram equivalent to parts per million (ppm)

*: OCD delineation limit

Bold denotes analyte detected at concentration above the method reporting limit (RL)

Bold and highlighted denotes analyte detected at concentration above the OCD Recommended Remediation Action Level (RRAL)

Table 2

Remediation Soil Sample Analytical Data Summary
EOG Resources, Inc., Cedar Lake 35 Fed Com #2 Tank Battery
Eddy County, New Mexico
2RP-3715

Location	Depth (Feet)	Collection Date	Location	Status	PID	Benzene	BTEX	C6 - C12 (mg/Kg)	>C12 - C28 (mg/Kg)	>C28 - C35 (mg/Kg)	TPH (mg/Kg)
RRAL:						10	50	5,000			
Excavation 1											
HA-1-2	2	7/22/2016	Sidewall	Excavated	1198	--	--	4,806.80	4,875.40	559.76	10,241.96
SS-1-2	2	8/10/2016	Sidewall	In-Situ	54.6	<0.00104	<0.00728	<26.0	<26.0	<26.0	<26.0
HA-2-2	2	7/22/2016	Sidewall	In-Situ	115.2	--	--	<26.316	46.98	<26.316	46.98
HA-3	2	7/22/2016	Sidewall	In-Situ	331.6	--	--	<26.316	<26.316	<26.316	<26.316
HA-4	2	7/22/2016	Sidewall	Excavated	381.9	--	--	3,011.10	2,175.90	236.03	5,423.03
SS-4-2	2	8/10/2016	Sidewall	In-Situ	79.4	<0.0211	<0.1475	<26.3	<26.3	<26.3	<26.3
HA-5	2	7/22/2016	Sidewall	Excavated	2280	--	--	5,860.80	3,950.70	572.16	10,383.66
SS-5-2	2	8/10/2016	Sidewall	In-Situ	10.8	<0.00104	<0.00728	<26.0	<26.0	<26.0	<26.0
HA-6	2	7/22/2016	Sidewall	In-Situ	229.9	--	--	<26.042	39.88	<26.042	39.88
HA-7	2	7/22/2016	Sidewall	In-Situ	4467	--	--	75.31	75.77	<26.316	151.07
HA-8	2	7/22/2016	Sidewall	In-Situ	91.0	--	--	<26.596	<26.596	<26.596	<26.596
HA-9	6	7/22/2016	Bottom	In-Situ	161.4	--	--	<26.316	<26.316	<26.316	<26.316
HA-10	2	7/22/2016	Sidewall	Excavated	1650	--	--	3,006.20	2,291.50	238.07	5,535.77
SS-10-4	4	8/10/2016	Sidewall	In-Situ	70.30	<0.0217	<0.1521	<27.2	<27.2	<27.2	<27.2
HA-11-1	1	8/5/2016	Sidewall	Excavated	46.20	0.766	64.846	1,350	977	133	2,460
HA-11-3	3	8/19/2016	Sidewall	In-Situ	691.2	1.45	93.75	--	--	--	--

Table 2

Remediation Soil Sample Analytical Data Summary
EOG Resources, Inc., Cedar Lake 35 Fed Com #2 Tank Battery
Eddy County, New Mexico
2RP-3715

Excavation 2											
HA-1	2	7/22/2016	Sidewall	In-Situ	389.4	<0.0213	46.59	827.11	907.83	122.90	1,857.84
HA-2	2	7/22/2016	Sidewall	In-Situ	3.50	--	--	<26.882	<26.882	<26.882	<26.882
HA-3	2	7/22/2016	Sidewall	Excavated	4569.0	--	--	2,826.60	2,750.10	364.00	5,940.70
SS-3-2	2	8/11/2016	Sidewall	In-Situ	3.5	<0.00104	<0.00728	<26.0	<26.0	<26.0	<26.0
HA-4	2	7/22/2016	Sidewall	Excavated	5474	--	--	5,318.00	5,161.60	652.28	11,131.88
SS-4-2	2	8/15/2016	Sidewall	In-Situ	91.6	<0.00106	<0.00744	<26.6	<26.6	<26.6	<26.6
HA-5	2	7/22/2016	Sidewall	Excavated	74.6	--	--	7,842.40	7,280.70	1,030.10	16,153.20
SS-5-3	3	8/12/2016	Sidewall	In-Situ	1436	1.84	294.44	5,550	4,080	448	10,100
HA-6	2	7/22/2016	Sidewall	Excavated	4003	--	--	3,558.20	3,281.60	473.12	7,312.92
SS-6-2	2	8/12/2016	Sidewall	Excavated	3513	3.54	164	2,290	2,010	172	4,470
SS-6-3	3	8/23/2016	Sidewall	In-Situ	10.3	<0.00102	<0.00714	--	--	--	--
HA-7	2	7/22/2016	Sidewall	Excavated	97.6	<0.0213	40.33	1,056.30	1,149.60	169.07	2,374.97
SS-7-2	2	8/12/2016	Sidewall	In-Situ	74.2	<0.00105	0.00605	<26.3	<26.3	<26.3	<26.3
HA-8	2	7/22/2016	Bottom	Excavated	2574	1.32	125.02	2,196.10	2,038.30	255.96	4,490.36
SS-8-3	3	8/11/2016	Bottom	In-Situ	2436	0.0227	0.265	<25.8	<25.8	<25.8	<25.8
HA-9	4	7/22/2016	Bottom	Excavated	2123	2.03	114.04	5,720.00	4,047.80	461.96	10,229.76
SS-9-8	8	8/11/2016	Bottom	Excavated	1.5	2.94	384.94	5,760	3,960	415	10,100
SS-9-10	10	8/22/2016	Bottom	In-Situ	23.6	0.00216	0.01523	<27.2	<27.2	<27.2	<27.2
HA-10	2	7/22/2016	Bottom	Excavated	5146	<0.0217	69.27	1,893.80	2,498.70	288.55	4,681.05
SS-10-3	3	8/11/2016	Bottom	Excavated	2738	<0.106	102.596	3,470	2,590	241	6,300

Table 2
Remediation Soil Sample Analytical Data Summary
EOG Resources, Inc., Cedar Lake 35 Fed Com #2 Tank Battery
Eddy County, New Mexico
2RP-3715

SS-10-4	4	8/22/2016	Bottom	In-Situ	1213	0.938	75.538	4,210	2,810	334	7,350
HA-11	2	7/22/2016	Bottom	Excavated	388.9	<0.0211	55.52	2,101.20	2,119.50	220.27	4,440.97
SS-11-3	3	8/11/2016	Bottom	Excavated	3789	0.725	112.565	3,930	3,190	263	7,380
SS-11-4	4	8/22/2016	Bottom	In-Situ	1084	0.382	70.282	2,630	1,970	233	4,830
SS-12-3	3	8/12/2016	Bottom	In-Situ	951.8	4.53	515.33	10,000	7,270	776	18,100

Notes: laboratory analysis performed by Permian Basin Environmental Lab, Midland, Texas, by method TX 1005

Depth in feet below ground surface (bgs)

mg/Kg: milligrams per kilogram equivalent to parts per million (ppm)

P= Pending analysis

Bold and highlighted denotes concentration exceeds RRAL

Table 3
EOG Resources
Cedar Lake 35 Fed Com #2 2RP-3715
Eddy County, New Mexico

Sample ID	Date	Sample Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
T-1 (HA-10-4)	4/7/2021	0-1	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00198	<4.96
	"	2	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<4.95
	"	3	61.9	<49.8	<49.8	61.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00198	<5.04
	"	4	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00200	<5.02
	"	5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00202	<5.02
	"	6	90.1	483	<49.9	573	<0.00201	<0.00201	0.0162	0.0148	0.0310	<4.98
	"	7	<50.0	201	<50.0	201	0.125	0.108	0.107	0.321	0.661	10.5
	"	8	<50.0	485	<50.0	485	<0.00198	<0.00198	0.0102	0.0223	0.0325	9.57
	"	9	1,480	1,850	<50.0	3,330	0.00465	<0.398	2.52	25.7	28.3	8.49
	"	10	448	1,040	<49.9	1,490	<0.00199	0.0162	0.359	<0.400	<0.200	9.39
	"	11	2,490	1,660	<49.8	4,150	1.33	3.54	2.55	23.3	27.4	10.6
	"	12	220	771	<50.0	991	<0.00200	0.00261	0.106	0.946	1.05	9.51
	"	13	429	986	<50.0	1,420	<0.00201	0.0871	0.236	2.59	2.83	8.23
	"	14	635	1,080	<50.0	1,720	0.0474	0.436	2.26	18.1	20.8	10.5
	5/17/2023	15	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
T-2 (HA-11-4)	"	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	0.00305	0.0305	0.0335	8.73
	"	2	122	760	<49.8	882	<0.00200	<0.00200	0.0295	0.0716	0.101	11.7
	"	3	83.3	566	<49.9	649	<0.00202	<0.00202	0.0298	0.0432	0.0730	21.4
	"	4	232	948	<50.0	1,180	<0.00201	<0.00201	0.0847	0.158	0.243	17.6
	"	5	1,230	1,000	<50.1	2,230	<0.00200	<0.00200	0.0593	0.105	0.164	16.0
	"	6	<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	0.00333	<0.00404	0.00333	11.6
	"	7	88.9	117	<49.9	206	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	18.4
	"	8	71.8	75.9	<49.9	148	<0.00200	<0.00200	<0.00200	<0.00401	<0.00200	13.2
	"	9	737	502	<49.8	1,240	0.273	0.934	2.48	19.1	22.8	13.0
	"	10	3,750	1,720	164	5,630	1.55	1.15	2.93	<0.797	<0.398	10.9
	5/17/2023	11	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
T-3 (SS-12-3)	"	0-1	84.2	526	107	717	<0.00200	0.00545	<0.00200	0.00425	0.00970	16.5
	"	2	62.1	194	50.4	307	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	11.4
	"	3	162	1,310	137	1,610	<0.00200	0.00895	0.00530	0.0336	0.0478	6.63
	"	4	89	815	82.5	986	<0.00202	<0.00202	0.0249	0.0629	0.0878	5.58
	"	5	206	879	80.5	1,170	<0.00202	<0.00202	0.144	0.169	0.313	<5.05
	"	6	71.9	<49.9	<49.9	71.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00200	<4.98
	"	7	102	414	<49.8	516	<0.00200	<0.00200	0.0444	0.0442	0.0886	<4.95
	"	8	60.7	<50.0	<50.0	60.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<4.95
	"	9	616	1,020	104	1,740	<0.00199	0.0299	0.284	50.9	60.4	<4.96
	"	10	5360	3,150	293	8,800	0.295	28.3	6.50	50.3	139	6.94
	5/17/2023	11	<10.0	30.3	34.0	64.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
Regulatory Limits			1,000 mg/kg			2,500 mg/kg	10 mg/kg	-	-	-	50 mg/kg	10,000 mg/kg

(-) Not Analyzed

A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

Removed

Table 3
EOG Resources
Cedar Lake 35 Fed Com #2 2RP-3715
Eddy County, New Mexico

Sample ID	Date	Sample Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
T-4 (HA-11-3)	"	0-1	71.0	237	57.1	365	<0.00201	<0.00201	0.00232	0.0177	0.0	<4.97
	"	2	201	1,050	113	1,360	<0.00202	<0.00202	0.0823	0.276	0.358	<4.98
	"	3	80.8	781	75.6	937	<0.00200	<0.00200	0.0224	0.0570	0.0794	<5.05
	"	4	190	916	88.0	1,190	<0.00199	<0.00199	0.0713	0.106	0.177	<4.98
	"	5	152	620	64.8	837	<0.00200	<0.00200	0.145	0.247	0.392	<4.97
	"	6	171	1,040	101	1,310	<0.00198	<0.00198	0.0594	0.0891	0.149	<4.95
	"	7	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00198	<4.95
	"	8	1,460	1,760	<49.9	3,220	0.00676	0.0872	0.236	24.1	28.0	5.58
	"	9	3,300	5,960	<49.8	9,260	0.328	0.323	12.5	0.0753	138	9.46
T-5 (SS-5-3)	"	0-1	79.9	548	<49.9	628	<0.00198	<0.00198	0.0250	0.0264	0.0514	<4.96
	"	2	<49.9	148	<49.9	148	<0.00199	0.00402	<0.00199	<0.00398	0.00677	<4.98
	"	3	94.8	1,170	<50.0	1,260	<0.00200	<0.00200	0.00223	0.0352	0.0374	5.74
	"	4	3,300	5,960	<49.8	9,260	0.328	0.323	12.5	0.0753	138	9.46
	"	5	766	1,660	<50.0	2,430	<0.00200	0.00321	0.379	0.680	1.29	<4.95
	"	6	833	2,010	<49.9	2,840	<0.00201	<0.00201	0.687	2.93	3.62	<5.05
	"	7	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	0.0115	0.0115	<4.98
	"	8	1,740	1,660	<50.0	3,400	0.0114	<0.399	1.86	16.6	18.4	11.4
	"	9	6,590	3,380	<50.0	9,970	<0.100	14.2	5.05	48.2	67.5	12.3
T-6 (HA-10-3)	"	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	0.00301	<0.00199	0.00911	0.0121	7.69
	"	2	<49.8	<49.8	<49.8	<49.8	<0.00199	0.00237	<0.00199	<0.00398	0.00237	10.7
	"	3	<49.9	533	<49.9	533	<0.00198	<0.00198	<0.00198	<0.00396	<0.00198	14.2
	"	4	1,610	191	<50.0	1,800	<0.00201	<0.00201	0.0480	0.148	0.196	<4.96
	"	5	491	1,640	<50.1	2,130	<0.00200	0.00219	0.0470	0.102	0.151	13.8
	"	6	552	1,840	<50.1	2,390	<0.00200	<0.00200	0.0580	0.384	0.442	11.9
	"	7	116	983	134	1,230	<0.00201	0.00241	0.0148	0.250	0.267	15.4
	"	8	3,700	1,920	196	5,820	<0.402	17.2	5.38	75.6	98.2	15.9
	"	9	3,020	1,730	179	4,930	0.293	15.7	3.02	67.6	90.9	10.1
	"	10	283	740	88.7	1,110	<0.00199	0.0720	0.00802	0.619	0.699	11.9
	"	11	180	249	<49.9	429	<0.00199	0.0571	0.0470	1.03	1.13	10.5
T-7 (HA-1-2)	"	0-1	101	<49.9	<49.9	101	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	22.5
	"	2	93.1	<49.9	<49.9	93.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	19.1
	"	3	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00200	29.8
	"	4	68.2	<50.0	<50.0	68.2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	32.6
Regulatory Limits			1,000 mg/kg			2,500 mg/kg	10 mg/kg	-	-	-	50 mg/kg	10,000 mg/kg

(-) Not Analyzed

A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

Removed

Table 4
EOG Resources
Cedar Lake 35 Fed Com 2 (2RP-3715)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	5/17/2023	14	1,360	1,820	174	3,354	0.96	12.6	8.43	93.2	115	48.0
	5/18/2023	15	60.3	230	20.7	311	<0.050	0.334	0.219	3.52	4.08	32.0
CS-2	5/17/2023	10	42.3	1,490	338	1,870	<0.050	<0.050	0.067	0.529	0.596	32.0
	5/18/2023	11	242	814	95.1	1,151	<0.050	1.64	1.07	16.2	18.9	48.0
	5/19/2023	11.25	<0.10	<0.10	<0.10	<0.10	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-3	5/17/2023	11	1,130	2,680	407	4,217	<1.00	10.3	7.5	117	134	32.0
	5/18/2023	12	1,920	2,570	286	2,463	0.903	29.8	8.06	86.7	125	32.0
	5/19/2023	12.5	<0.10	<0.10	<0.10	<0.10	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-4	5/17/2023	9.5	221	773	168	1,162	<0.050	0.832	0.626	12.0	13.5	32.0
CS-5	5/17/2023	9.5	116	1,850	337	2,303	<0.050	0.12	0.166	3.54	3.83	128
	5/18/2023	11	20.5	165	42.3	228	<0.050	0.067	0.051	0.575	0.694	128
CS-6	5/17/2023	12	<10.0	36.9	<10.0	36.9	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-7	5/17/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
Regulatory Criteria^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons
ft-feet

(CS) - Confirmation Sample

 Removed

Table 4
EOG Resources
Cedar Lake 35 Fed Com 2 (2RP-3715)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	5/17/2023	14	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-2	5/17/2023	14	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-3	5/17/2023	10	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-4	5/17/2023	10	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-5	5/17/2023	11	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-6	5/17/2023	9.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-7	5/17/2023	12	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-8	5/17/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-9	5/17/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-10	5/17/2023	1.5	<10.0	30.7	15.5	46.2	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-11	5/17/2023	12	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-12	5/17/2023	9.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-13	5/17/2023	9.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-14	5/17/2023	9.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-15	5/17/2023	11	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-16	5/17/2023	10	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-17	5/17/2023	14	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-18	5/17/2023	14	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-19	5/17/2023	4	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-20	5/17/2023	1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-21	5/17/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-22	5/17/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-23	5/17/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-24	5/17/2023	10.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Regulatory Criteria ^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(SW) - Sidewall Sample

APPENDIX B

CARMONA RESOURCES





Southwest corner of excavation facing North, August 18, 2016



Southwest corner of battery excavation facing East, August 18, 2016



Northwest corner of backfilled tank battery and new firewall facing South, September 3, 2016



Middle of backfilled tank battery and new firewall facing South, September 3, 2016



Location Sign



Crude Oil inside firewall near Northwest corner (DP-1) facing Northeast, May 20, 2016



Stained Area outside firewall North of Tanks facing Northeast, May 30, 2016



Stained Area inside and outside firewall facing Southeast, June 1, 2016



Stained Area inside and outside firewall facing Northeast, June 1, 2016



Stained Area inside and outside firewall facing West, June 1, 2016



Stained Area inside firewall facing East, June 1, 2016



Stained Area inside firewall facing North, June 1, 2016



Northwest corner of battery excavation facing South, August 18, 2016



Northwest corner of battery excavation facing South, August 18, 2016



Middle of battery excavation facing South, August 18, 2016



Middle of battery excavation facing South, August 18, 2016



Northeast corner of battery excavation facing South, August 18, 2016



East side of battery excavation facing West, August 18, 2016



East side of battery excavation facing West, August 18, 2016



East side of battery excavation facing West, August 18, 2016



Middle of battery excavation facing North, August 18, 2016



Middle of battery excavation facing North, August 18, 2016



Northeast corner of backfilled tank battery and new firewall facing South, September 3, 2016



Northeast corner of backfilled tank battery and new firewall facing West, September 3, 2016



Southeast corner of backfilled tank battery and new firewall facing West, September 3, 2016



Southeast corner of backfilled tank battery and new firewall facing North, September 3, 2016



Middle of backfilled tank battery and new firewall facing North, September 3, 2016



Southwest corner of backfilled tank battery and new firewall facing North, September 3, 2016



Southwest corner of backfilled tank battery and new firewall facing East, September 3, 2016



Northwest corner of backfilled tank battery and new firewall facing East, September 3, 2016

PHOTOGRAPHIC LOG

EOG Resources

Photograph No. 31

Facility: Cedar Lake 35 Federal Com #2

County: Eddy County, New Mexico

Description:

View Southwest of the Tank Battery Facility before Operations removed all tanks and equipment for remediation activities.



Photograph No. 32

Facility: Cedar Lake 35 Federal Com #2

County: Eddy County, New Mexico

Description:

View North of the drilling for the Groundwater Determination Bore.



Photograph No. 33

Facility: Cedar Lake 35 Federal Com #2

County: Eddy County, New Mexico

Description:

View Northwest of the Groundwater Determination Bore installed.



PHOTOGRAPHIC LOG

EOG Resources

Photograph No. 34

Facility: Cedar Lake 35 Federal Com #2

County: Eddy County, New Mexico

Description:

View South, areas of Confirmation Samples (CS-1 -CS-2).



Photograph No. 35

Facility: Cedar Lake 35 Federal Com #2

County: Eddy County, New Mexico

Description:

View East, areas of confirmation samples (CS-2 - CS-7).



Photograph No. 36

Facility: Cedar Lake 35 Federal Com #2

County: Eddy County, New Mexico

Description:

View Northwest, area of confirmation sample (CS-7).



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

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

NMOCD Artesia

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

nHMP1615537888

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	EOG Resources, Inc. 7377	Contact	Zane Kurtz
Address	5509 Champions Drive, Midland, TX 79706	Telephone No.	432-425-2023
Facility Name	Cedar Lake 35 Fed Com 2	Facility Type	Oil and Gas Well
Surface Owner	BLM	Mineral Owner	BLM
		API No.	30-015-27851

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	35	17S	30E	990'	S	990'	E	Eddy

Latitude 32.7866 Longitude -103.9370

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	188bbls	Volume Recovered	2bbls
Source of Release	Oil tank bottom rotted out	Date and Hour of Occurrence	5-30-2016	Date and Hour of Discovery	1500
Was Immediate Notice Given?	☐ Yes ☒ No ☐ Not Required				
By Whom?	NA	If YES, To Whom? NA			
Was a Watercourse Reached?	☐ Yes ☒ No				
If YES, Volume Impacting the Watercourse.					

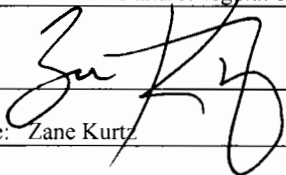
If a Watercourse was Impacted, Describe Fully.*
NA

Describe Cause of Problem and Remedial Action Taken.*

A hole developed in the bottom of an oil tank inside containment. Release was contained inside the dirt containment. Some leached through the berm walls onto the pad area. Nothing off pad. Consultant will delineate the vertical and horizontal depths of the release and submit a work plan for cleanup. Cleanup method will be based on test results to see if land farm or dig and haul is necessary.

Describe Area Affected and Cleanup Action Taken.*

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature:				OIL CONSERVATION DIVISION	
Printed Name:	Zane Kurtz			Approved by Environmental Specialist: 	
Title:	Sr. Environmental Rep., EOG Resources, Inc.			Approval Date:	6/3/2016
E-mail Address:	zane_kurtz@eogresources.com			Expiration Date:	N/A
Date:	6-1-2016			Phone:	432-425-2023
Conditions of Approval:				Attached ☐	

Remediation per OCD Rules and Guidelines

Submit Remediation Proposal No Later
Than 7/3/2016

2RP-3715

* Attach Additional Sheets If Necessary

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?	_____ (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.

State of New Mexico
Oil Conservation Division

Page 4

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: _____ Title: _____

Signature: James F. Kennedy Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	NHMP1615537888
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 ODC 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: _____ Title: _____

Signature: James F. Kennedy Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 06/28/2023

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: Jocelyn Harimon Date: 07/11/2023

Printed Name: Jocelyn Harimon Title: Environmental Specialist

From: [Patterson, Heather, EMNRD](#)
To: ["Michael Gant"](#)
Cc: [Mark Larson](#); [Billings, Bradford, EMNRD](#); [Bratcher, Mike, EMNRD](#); [stucker@blm.gov](#); [Zane Kurtz](#)
Subject: RE: Cedar Lake 35 Fed Com #2
Date: Tuesday, November 01, 2016 1:27:00 PM

RE: EOG * Cedar Lake 35 Fed Com #2 * 30-015-27851 * 2RP-3715

Mr. Gant,

Your request for deferral for the remaining contaminates in the above listed release is approved. The remaining cleanup to be deferred until site abandonment due to the proximity of production equipment.

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If you have any questions or concerns, and for notification, please contact me.

Heather Patterson
Environmental Specialist
NMOCD District II
Office (575)748-1283 ext.101
Cell (575)703-0228

From: Michael Gant [mailto:mgant@laenvironmental.com]
Sent: Tuesday, October 25, 2016 10:44 AM
To: Billings, Bradford, EMNRD; Patterson, Heather, EMNRD; Bratcher, Mike, EMNRD; stucker@blm.gov; Zane Kurtz
Cc: Mark Larson
Subject: Cedar Lake 35 Fed Com #2

All,

Larson & Associates, Inc. (LAI) submits this report to the New Mexico Oil Conservation Division District 2 (OCD) and U.S. Bureau of Land Management (BLM) on behalf of EOG Resources, Inc. (EOG). Please use the link below to download the report that presents the initial investigation and remediation results for a crude oil release at the Cedar Lake 35 Fed Com No. 2 (API 30-015-27851) tank battery in Unit P (SE/4, SE/4), Section 35, Township 17 South, Range 30 East, in Eddy County, New Mexico. Please contact Zane Kurtz with EOG at (432) 686-3667 or me if you have questions.

<https://files.acrobat.com/a/preview/5b1eb66b-88f3-469f-aa65-e2d19a23003e>

Respectfully,

Michael Gant

Senior Geologist
432-664-5357



From: Enviro, OCD, EMNRD
Sent: Tuesday, May 16, 2023 11:44 AM
To: Conner Moehring
Cc: Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD
Subject: RE: [EXTERNAL] EOG – Cedar Lake 35 Federal Com #2 - 2RP-3715 - Sampling Notification

Conner,

Please be aware that notification requirements are **two business days**, per rule. You may proceed on your schedule. This, and all correspondence, should be included in the closure report to insure inclusion in the project file.

JH

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



From: Conner Moehring <Cmoehring@carmonaresources.com>
Sent: Monday, May 15, 2023 2:31 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Mike Carmona <Mcarmona@carmonaresources.com>
Subject: [EXTERNAL] EOG – Cedar Lake 35 Federal Com #2 - 2RP-3715 - Sampling Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Afternoon,

On behalf of EOG, Carmona Resources will collect confirmation samples for the below site on 05/17/23. Sampling is scheduled to begin as early as 2:45 p.m. (MST) Wednesday, May 17th, weather and soil conditions permitting. Please let me know if you have any questions.

EOG – Cedar Lake 35 Federal Com #2
2RP-3715
Sec 35 T17S R30E Unit P
32.786365, -103.937567
Eddy County, New Mexico

Conner R. Moehring
310 West Wall Street, Suite 500
Midland Texas, 79701
M: 432-813-6823
Cmoehring@carmonaresources.com



APPENDIX D

CARMONA RESOURCES



Nearest water well map

EOG Resources
Cedar Lake 35 Federal Com #2 (2RP-3715)
Eddy County, New Mexico

Legend

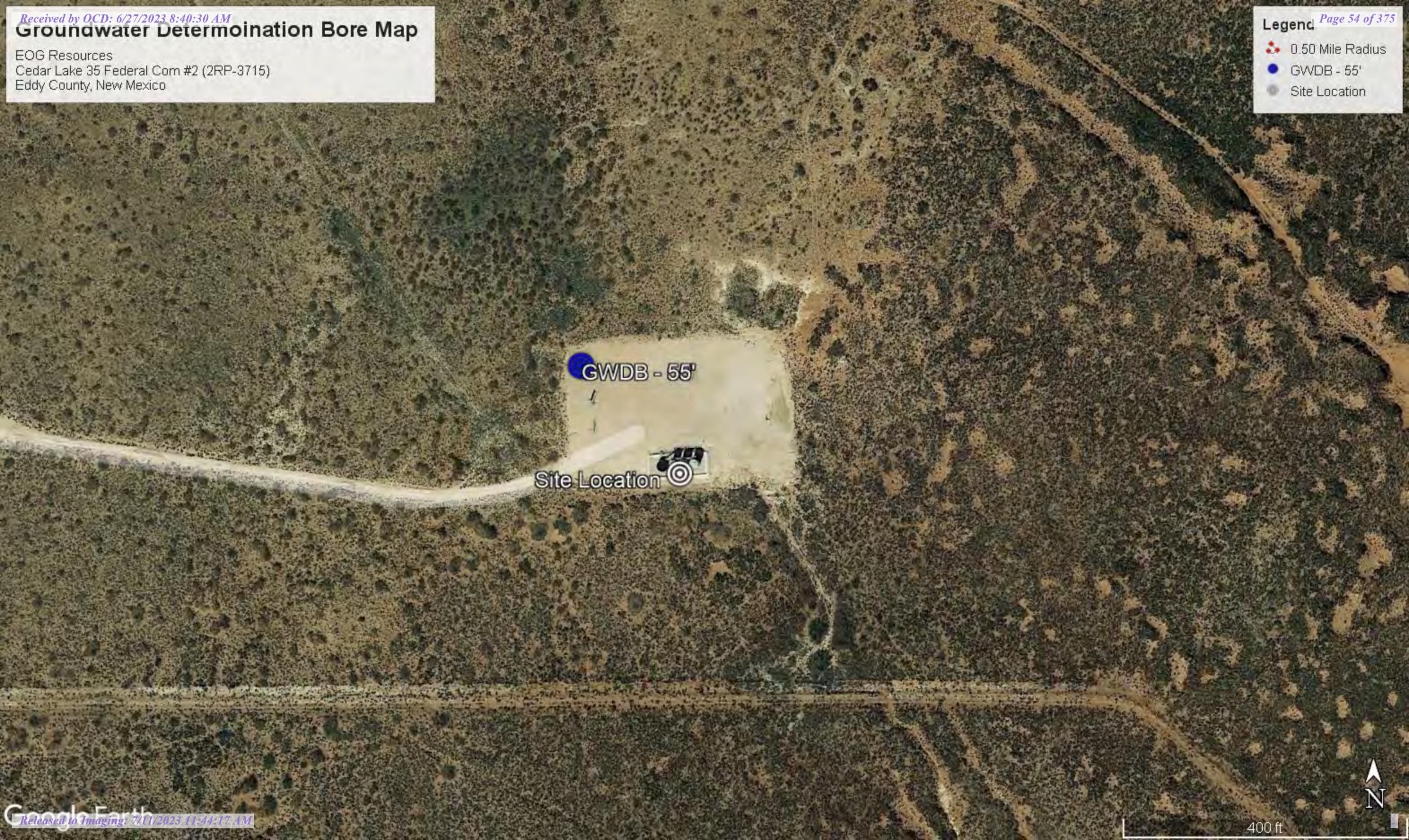
- 0.50 Mile Radius
- 3.63 Miles
- 3.71 Miles
- 3.80 Miles
- NMSEO Water Well
- Site Location
- USGS Water Well



Groundwater Determoination Bore Map

EOG Resources
Cedar Lake 35 Federal Com #2 (2RP-3715)
Eddy County, New Mexico

- 0.50 Mile Radius
- GWDB - 55'
- Site Location

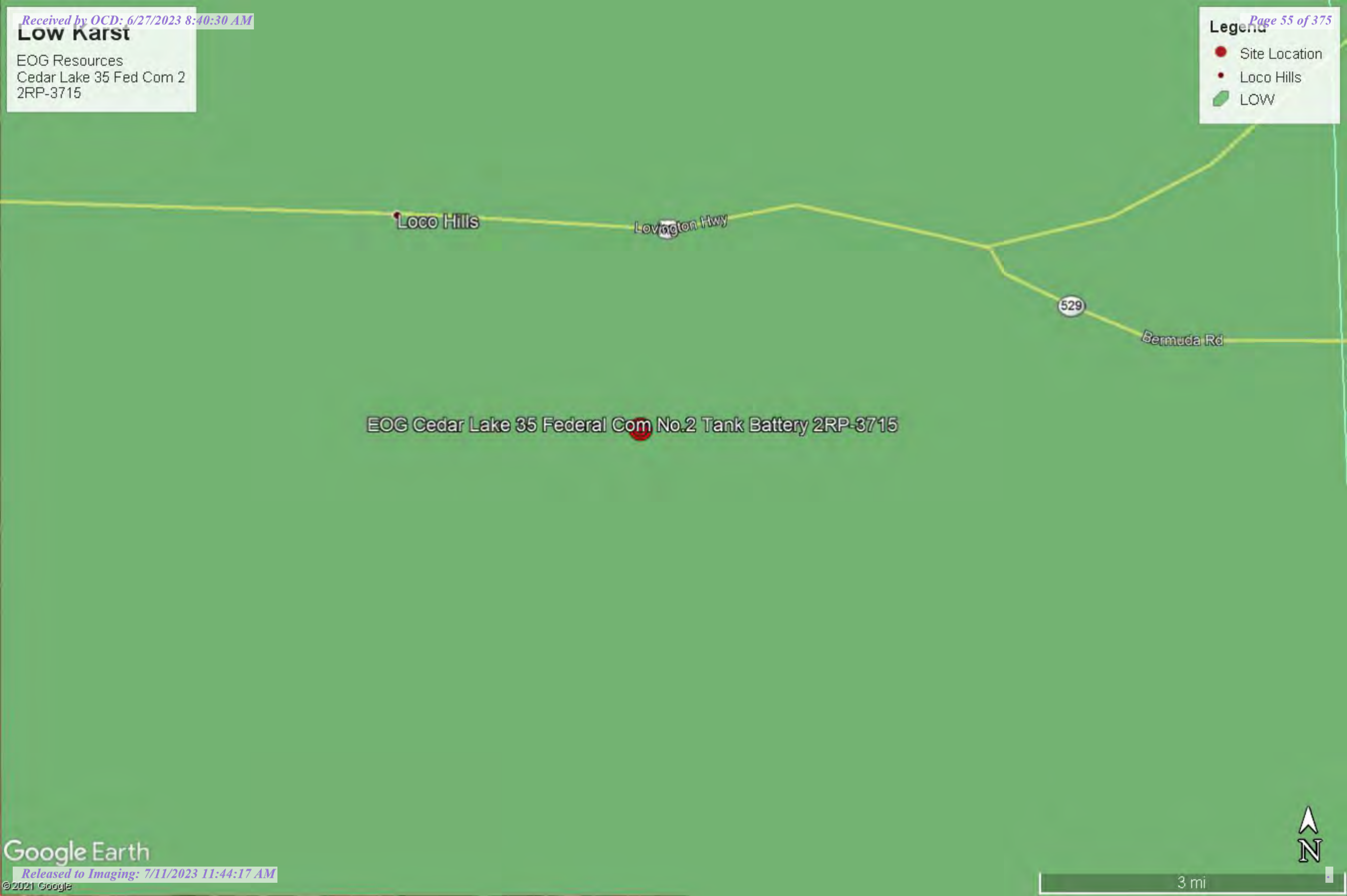


Low Karst

EOG Resources
Cedar Lake 35 Fed Com 2
2RP-3715

Legend

- Site Location
- Loco Hills
- LOW





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
RA 11914 POD1	RA	ED		2	4	2	20	17S	30E	594801	3632002	85	80	5

Average Depth to Water: **80 feet**

Minimum Depth: **80 feet**

Maximum Depth: **80 feet**

Record Count: 1

PLSS Search:

Township: 17S

Range: 30E

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

4/6/21 1:08 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



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National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

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- [Full News](#)

Groundwater levels for New Mexico

Click to hide state-specific text

i Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 324405103565801

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 324405103565801 18S.30E.22.2220

Eddy County, New Mexico
Latitude 32°44'05", Longitude 103°56'58" NAD27
Land-surface elevation 3,414 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water level appro statu
1965-12-09			D	62610	3170.47	NGVD29	1	Z			
1965-12-09			D	62611	3172.00	NAVD88	1	Z			
1965-12-09			D	72019	242.00		1	Z			
1968-03-07			D	62610	3171.67	NGVD29	1	Z			
1968-03-07			D	62611	3173.20	NAVD88	1	Z			
1968-03-07			D	72019	240.80		1	Z			
1971-04-08			D	62610	3173.21	NGVD29	1	Z			
1971-04-08			D	62611	3174.74	NAVD88	1	Z			
1971-04-08			D	72019	239.26		1	Z			
1976-05-28			D	62610	3176.01	NGVD29	1	Z			
1976-05-28			D	62611	3177.54	NAVD88	1	Z			
1976-05-28			D	72019	236.46		1	Z			
1983-04-12			D	62610	3174.09	NGVD29	1	Z			
1983-04-12			D	62611	3175.62	NAVD88	1	Z			
1983-04-12			D	72019	238.38		1	Z			
1990-09-25			D	62610	3185.44	NGVD29	1	S			
1990-09-25			D	62611	3186.97	NAVD88	1	S			
1990-09-25			D	72019	227.03		1	S			

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)
Title: Groundwater for New Mexico: Water Levels
URL: [https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?](https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=324405103565801&agency_cd=USGS&format=html)



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Page Last Modified: 2023-06-25 20:48:53 EDT
0.27 0.24 nadww01



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National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

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Click to hide state-specific text

Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 324405103572201

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 324405103572201 18S.30E.22.2110

Eddy County, New Mexico
Latitude 32°44'05", Longitude 103°57'22" NAD27
Land-surface elevation 3,420 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water level appro status
1971-04-08			D	62610	3274.41	NGVD29	1	Z			
1971-04-08			D	62611	3275.93	NAVD88	1	Z			
1971-04-08			D	72019	144.07		1	Z			
1976-05-28			D	62610	3204.10	NGVD29	1	Z			
1976-05-28			D	62611	3205.62	NAVD88	1	Z			
1976-05-28			D	72019	214.38		1	Z			
1983-04-12			D	62610	3215.70	NGVD29	1	Z			
1983-04-12			D	62611	3217.22	NAVD88	1	Z			
1983-04-12			D	72019	202.78		1	Z			
1994-03-16			D	62610	3216.08	NGVD29	1	S			
1994-03-16			D	62611	3217.60	NAVD88	1	S			
1994-03-16			D	72019	202.40		1	S			

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988

Section	Code	Description
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)
[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)
Title: Groundwater for New Mexico: Water Levels
URL: [https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?](https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=324405103572201&agency_cd=USGS&format=html)



Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2023-06-25 20:51:03 EDT
0.28 0.25 nadww01



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tw	Rng	X	Y
RA 11914	POD1	2	4	2	20	17S	30E	594801	3632002

Driller License: 1682

Driller Company: HUNGRY HORSE, LLC.

Driller Name: JOHN NORRIS

Drill Start Date: 03/19/2013

Drill Finish Date: 03/19/2013

Plug Date:

Log File Date: 04/09/2013

PCW Rev Date:

Source: Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

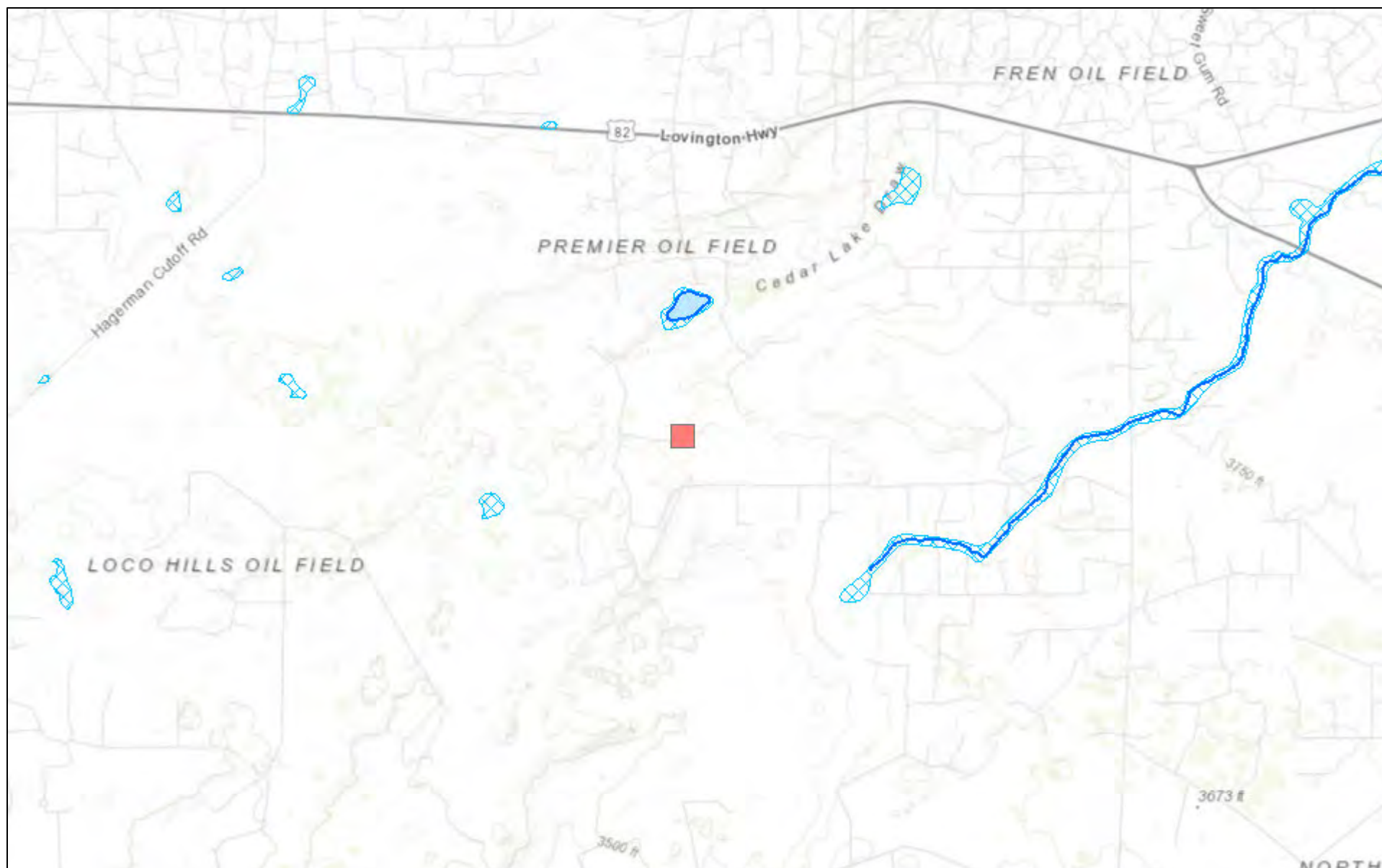
Depth Well: 85 feet

Depth Water: 80 feet

Water Bearing Stratifications:	Top	Bottom	Description
	11	85	Sandstone/Gravel/Conglomerate

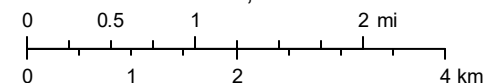
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

New Mexico NFHL Data



March 30, 2021

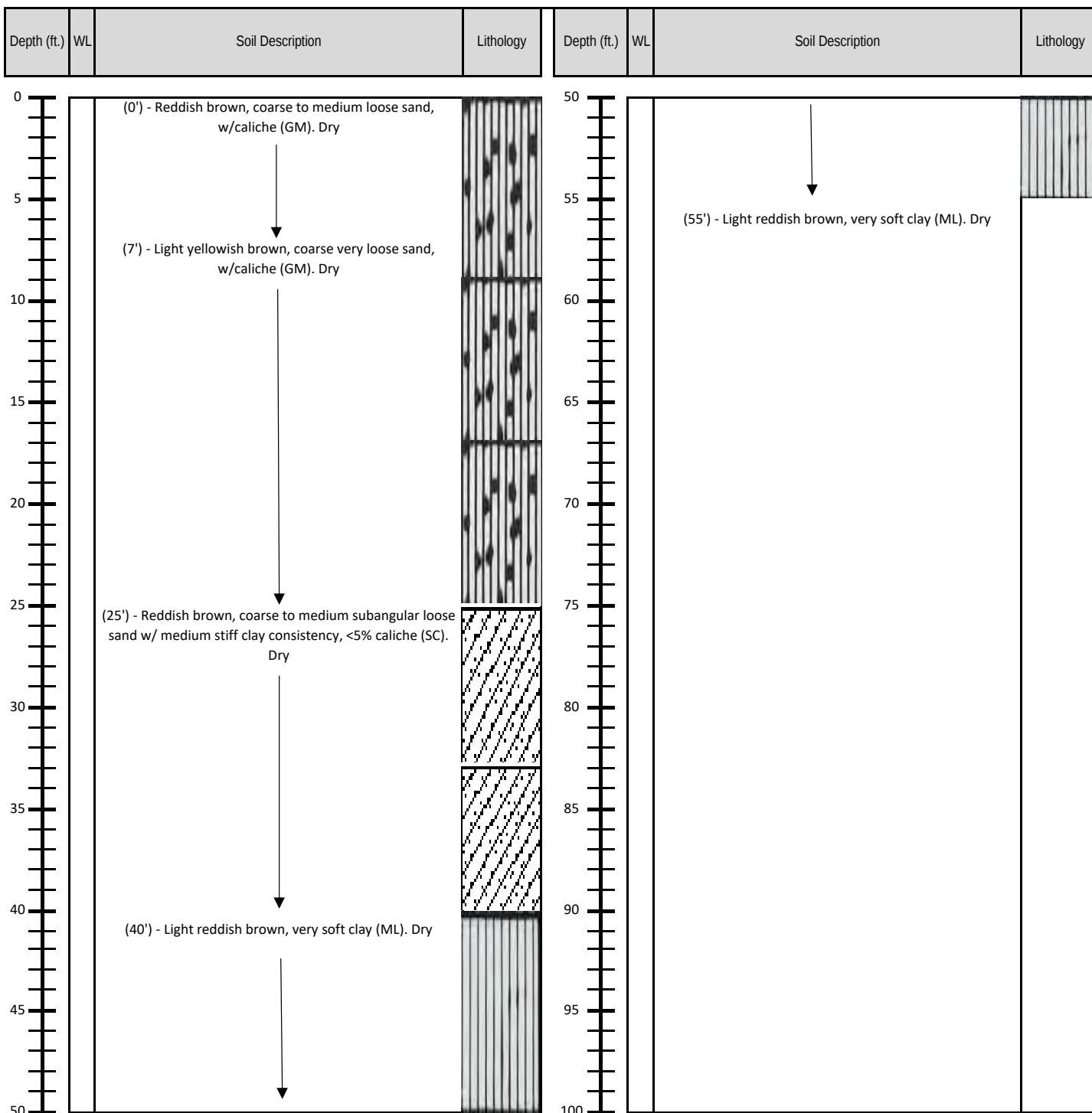
1:72,224



FEMA
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS,

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Project Name :	<u>Cedar Lake 35 Fed Com #2</u>	Date :	<u>Wednesday, June 23, 2021</u>
Project No. :	<u>214048</u>	Sampler :	<u>Nick Hart</u>
Location :	<u>Eddy County, New Mexico</u>	Driller :	<u>Scarborough Drilling</u>
Coordinates :	<u>32.786475, -103.937728</u>	Method :	<u>Air Rotary</u>
Elevation :	<u>3,037</u>		



Comments :

Total Depth 55' bgs

Drilling Terminated @ 10:15 (MT) No Groundwater Present

On 6/29/2021 No groundwater Present

APPENDIX E

CARMONA RESOURCES



**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Mark Larson
Larson & Associates, Inc.
P.O. Box 50685
Midland, TX 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Location: New Mexico
Lab Order Number: 6F09009



NELAP/TCEQ # T104704156-13-3

Report Date: 06/21/16

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DP 1 2-4	6F09009-02	Soil	06/07/16 13:30	06-09-2016 10:40
DP 1 8-10	6F09009-05	Soil	06/07/16 13:47	06-09-2016 10:40
DP 1 12-14	6F09009-07	Soil	06/07/16 13:55	06-09-2016 10:40
DP 1 14-15	6F09009-08	Soil	06/07/16 13:55	06-09-2016 10:40
DP 2 2-4	6F09009-10	Soil	06/07/16 15:00	06-09-2016 10:40
DP 2 4-6	6F09009-11	Soil	06/07/16 15:07	06-09-2016 10:40
DP 2 8-10	6F09009-13	Soil	06/07/16 15:14	06-09-2016 10:40
DP 2 10-12	6F09009-14	Soil	06/07/16 15:14	06-09-2016 10:40
DP 3 0-2	6F09009-15	Soil	06/07/16 15:37	06-09-2016 10:40
DP 3 4-6	6F09009-17	Soil	06/07/16 15:44	06-09-2016 10:40
DP 3 8-10	6F09009-19	Soil	06/07/16 15:52	06-09-2016 10:40
DP 4 0-2	6F09009-20	Soil	06/07/16 16:15	06-09-2016 10:40
DP 4 4-6	6F09009-22	Soil	06/07/16 16:20	06-09-2016 10:40
DP 4 8-10	6F09009-24	Soil	06/07/16 16:25	06-09-2016 10:40
DP 5 0-2	6F09009-25	Soil	06/08/16 14:15	06-09-2016 10:40
DP 5 4-6	6F09009-27	Soil	06/08/16 14:20	06-09-2016 10:40
DP 5 8-10	6F09009-29	Soil	06/08/16 14:28	06-09-2016 10:40
DP 5 12-14	6F09009-31	Soil	06/08/16 14:36	06-09-2016 10:40
DP 6 0-2	6F09009-33	Soil	06/08/16 14:46	06-09-2016 10:40
DP 6 2-4	6F09009-34	Soil	06/08/16 14:46	06-09-2016 10:40
DP 6 4-6	6F09009-35	Soil	06/08/16 14:56	06-09-2016 10:40
DP 6 8-10	6F09009-37	Soil	06/08/16 15:08	06-09-2016 10:40
DP 7 0-2	6F09009-39	Soil	06/08/16 15:20	06-09-2016 10:40
DP 7 4-6	6F09009-41	Soil	06/08/16 15:37	06-09-2016 10:40
DP 7 8-10	6F09009-43	Soil	06/08/16 15:42	06-09-2016 10:40
DP 7 12-14	6F09009-45	Soil	06/08/16 15:57	06-09-2016 10:40
DP 8 0-2	6F09009-46	Soil	06/08/16 16:00	06-09-2016 10:40
DP 8 4-6	6F09009-48	Soil	06/08/16 16:04	06-09-2016 10:40
DP 8 8-10	6F09009-50	Soil	06/08/16 16:09	06-09-2016 10:40

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

DP 1 2-4
6F09009-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	0.0989	0.0217	mg/kg dry	20	P6F1609	06/15/16	06/15/16	EPA 8021B
Toluene	2.84	0.0435	mg/kg dry	20	P6F1609	06/15/16	06/15/16	EPA 8021B
Ethylbenzene	0.643	0.0217	mg/kg dry	20	P6F1609	06/15/16	06/15/16	EPA 8021B
Xylene (p/m)	5.61	0.0435	mg/kg dry	20	P6F1609	06/15/16	06/15/16	EPA 8021B
Xylene (o)	2.16	0.0217	mg/kg dry	20	P6F1609	06/15/16	06/15/16	EPA 8021B
<i>Surrogate: 4-Bromofluorobenzene</i>		94.0 %	75-125		P6F1609	06/15/16	06/15/16	EPA 8021B
<i>Surrogate: 1,4-Difluorobenzene</i>		91.0 %	75-125		P6F1609	06/15/16	06/15/16	EPA 8021B

General Chemistry Parameters by EPA / Standard Methods

Chloride	182	27.2	mg/kg dry	25	P6F2014	06/20/16	06/20/16	EPA 300.0
% Moisture	8.0	0.1	%	1	P6F1402	06/14/16	06/14/16	% calculation

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	5020	27.2	mg/kg dry	1	P6F1701	06/16/16	06/17/16	TPH 8015M
>C12-C28	4990	27.2	mg/kg dry	1	P6F1701	06/16/16	06/17/16	TPH 8015M
>C28-C35	410	27.2	mg/kg dry	1	P6F1701	06/16/16	06/17/16	TPH 8015M
<i>Surrogate: 1-Chlorooctane</i>		111 %	70-130		P6F1701	06/16/16	06/17/16	TPH 8015M
<i>Surrogate: o-Terphenyl</i>		104 %	70-130		P6F1701	06/16/16	06/17/16	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	10400	27.2	mg/kg dry	1	[CALC]	06/16/16	06/17/16	calc

DRAFT REPORT

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

DP 1 8-10
6F09009-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00108	mg/kg dry	1	P6F1504	06/13/16	06/13/16	EPA 8021B	
Toluene	0.00449	0.00215	mg/kg dry	1	P6F1504	06/13/16	06/13/16	EPA 8021B	
Ethylbenzene	0.00792	0.00108	mg/kg dry	1	P6F1504	06/13/16	06/13/16	EPA 8021B	
Xylene (p/m)	0.120	0.00215	mg/kg dry	1	P6F1504	06/13/16	06/13/16	EPA 8021B	
Xylene (o)	0.0441	0.00108	mg/kg dry	1	P6F1504	06/13/16	06/13/16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		95.8 %	75-125		P6F1504	06/13/16	06/13/16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	75-125		P6F1504	06/13/16	06/13/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	29.7	5.38	mg/kg dry	5	P6F2014	06/20/16	06/20/16	EPA 300.0	
% Moisture	7.0	0.1	%	1	P6F1402	06/14/16	06/14/16	% calculation	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	46.8	26.9	mg/kg dry	1	P6F1701	06/16/16	06/17/16	TPH 8015M	
>C12-C28	235	26.9	mg/kg dry	1	P6F1701	06/16/16	06/17/16	TPH 8015M	
>C28-C35	39.2	26.9	mg/kg dry	1	P6F1701	06/16/16	06/17/16	TPH 8015M	
Surrogate: 1-Chlorooctane		97.9 %	70-130		P6F1701	06/16/16	06/17/16	TPH 8015M	
Surrogate: o-Terphenyl		95.7 %	70-130		P6F1701	06/16/16	06/17/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	321	26.9	mg/kg dry	1	[CALC]	06/16/16	06/17/16	calc	

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

DP 1 12-14
6F09009-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00111	mg/kg dry	1	P6F1510	06/14/16	06/15/16	EPA 8021B	
Toluene	0.00379	0.00222	mg/kg dry	1	P6F1510	06/14/16	06/15/16	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P6F1510	06/14/16	06/15/16	EPA 8021B	
Xylene (p/m)	0.0112	0.00222	mg/kg dry	1	P6F1510	06/14/16	06/15/16	EPA 8021B	
Xylene (o)	0.0489	0.00111	mg/kg dry	1	P6F1510	06/14/16	06/15/16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		96.4 %	75-125		P6F1510	06/14/16	06/15/16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		94.2 %	75-125		P6F1510	06/14/16	06/15/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	261	27.8	mg/kg dry	25	P6F2014	06/20/16	06/20/16	EPA 300.0	
% Moisture	10.0	0.1	%	1	P6F1402	06/14/16	06/14/16	% calculation	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	129	27.8	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C12-C28	429	27.8	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C28-C35	33.7	27.8	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
Surrogate: 1-Chlorooctane		125 %	70-130		P6F2004	06/17/16	06/18/16	TPH 8015M	
Surrogate: o-Terphenyl		123 %	70-130		P6F2004	06/17/16	06/18/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	592	27.8	mg/kg dry	1	[CALC]	06/17/16	06/18/16	calc	

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

DP 1 14-15
6F09009-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00109	mg/kg dry	1	P6F1504	06/13/16	06/13/16	EPA 8021B	
Toluene	ND	0.00217	mg/kg dry	1	P6F1504	06/13/16	06/13/16	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P6F1504	06/13/16	06/13/16	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P6F1504	06/13/16	06/13/16	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P6F1504	06/13/16	06/13/16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		89.7 %	75-125		P6F1504	06/13/16	06/13/16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		85.0 %	75-125		P6F1504	06/13/16	06/13/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	188	27.2	mg/kg dry	25	P6F2014	06/20/16	06/20/16	EPA 300.0	
% Moisture	8.0	0.1	%	1	P6F1506	06/15/16	06/16/16	% calculation	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.2	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
Surrogate: 1-Chlorooctane		123 %	70-130		P6F2004	06/17/16	06/18/16	TPH 8015M	
Surrogate: o-Terphenyl		129 %	70-130		P6F2004	06/17/16	06/18/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	06/17/16	06/18/16	calc	

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

DP 2 2-4
6F09009-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00108	mg/kg dry	1	P6F1510	06/14/16	06/15/16	EPA 8021B	
Toluene	0.0127	0.00215	mg/kg dry	1	P6F1510	06/14/16	06/15/16	EPA 8021B	
Ethylbenzene	0.00889	0.00108	mg/kg dry	1	P6F1510	06/14/16	06/15/16	EPA 8021B	
Xylene (p/m)	0.150	0.00215	mg/kg dry	1	P6F1510	06/14/16	06/15/16	EPA 8021B	
Xylene (o)	0.0322	0.00108	mg/kg dry	1	P6F1510	06/14/16	06/15/16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		92.5 %	75-125		P6F1510	06/14/16	06/15/16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		83.6 %	75-125		P6F1510	06/14/16	06/15/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	5.31	1.08	mg/kg dry	1	P6F2014	06/20/16	06/20/16	EPA 300.0	
% Moisture	7.0	0.1	%	1	P6F1506	06/15/16	06/16/16	% calculation	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	279	26.9	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C12-C28	343	26.9	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
Surrogate: 1-Chlorooctane		123 %	70-130		P6F2004	06/17/16	06/18/16	TPH 8015M	
Surrogate: o-Terphenyl		117 %	70-130		P6F2004	06/17/16	06/18/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	622	26.9	mg/kg dry	1	[CALC]	06/17/16	06/18/16	calc	

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

DP 2 4-6
6F09009-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00108	mg/kg dry	1	P6F1510	06/14/16	06/15/16	EPA 8021B	
Toluene	0.00259	0.00215	mg/kg dry	1	P6F1510	06/14/16	06/15/16	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P6F1510	06/14/16	06/15/16	EPA 8021B	
Xylene (p/m)	0.0354	0.00215	mg/kg dry	1	P6F1510	06/14/16	06/15/16	EPA 8021B	
Xylene (o)	0.0146	0.00108	mg/kg dry	1	P6F1510	06/14/16	06/15/16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		92.4 %	75-125		P6F1510	06/14/16	06/15/16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		99.8 %	75-125		P6F1510	06/14/16	06/15/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	4.84	1.08	mg/kg dry	1	P6F2014	06/20/16	06/20/16	EPA 300.0	
% Moisture	7.0	0.1	%	1	P6F1506	06/15/16	06/16/16	% calculation	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	113	26.9	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C12-C28	256	26.9	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
Surrogate: 1-Chlorooctane		112 %	70-130		P6F2004	06/17/16	06/18/16	TPH 8015M	
Surrogate: o-Terphenyl		116 %	70-130		P6F2004	06/17/16	06/18/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	370	26.9	mg/kg dry	1	[CALC]	06/17/16	06/18/16	calc	

DRAFT REPORT

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

DP 2 8-10
6F09009-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	0.00252	0.00115	mg/kg dry	1	P6F1504	06/13/16	06/13/16	EPA 8021B	
Toluene	0.0130	0.00230	mg/kg dry	1	P6F1504	06/13/16	06/13/16	EPA 8021B	
Ethylbenzene	0.00340	0.00115	mg/kg dry	1	P6F1504	06/13/16	06/13/16	EPA 8021B	
Xylene (p/m)	0.0570	0.00230	mg/kg dry	1	P6F1504	06/13/16	06/13/16	EPA 8021B	
Xylene (o)	0.0132	0.00115	mg/kg dry	1	P6F1504	06/13/16	06/13/16	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		107 %	75-125		P6F1504	06/13/16	06/13/16	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		96.3 %	75-125		P6F1504	06/13/16	06/13/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	8.31	1.15	mg/kg dry	1	P6F2014	06/20/16	06/20/16	EPA 300.0	
% Moisture	13.0	0.1	%	1	P6F1506	06/15/16	06/16/16	% calculation	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	59.1	28.7	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C12-C28	250	28.7	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C28-C35	ND	28.7	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		111 %	70-130		P6F2004	06/17/16	06/18/16	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		114 %	70-130		P6F2004	06/17/16	06/18/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	309	28.7	mg/kg dry	1	[CALC]	06/17/16	06/18/16	calc	

DRAFT REPORT

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Midland TX, 79710

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Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

DP 2 10-12
6F09009-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00125	mg/kg dry	1	P6F1504	06/13/16	06/13/16	EPA 8021B	
Toluene	0.00541	0.00250	mg/kg dry	1	P6F1504	06/13/16	06/13/16	EPA 8021B	
Ethylbenzene	ND	0.00125	mg/kg dry	1	P6F1504	06/13/16	06/13/16	EPA 8021B	
Xylene (p/m)	0.00612	0.00250	mg/kg dry	1	P6F1504	06/13/16	06/13/16	EPA 8021B	
Xylene (o)	ND	0.00125	mg/kg dry	1	P6F1504	06/13/16	06/13/16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		94.2 %	75-125		P6F1504	06/13/16	06/13/16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		98.8 %	75-125		P6F1504	06/13/16	06/13/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	22.7	1.25	mg/kg dry	1	P6F2014	06/20/16	06/20/16	EPA 300.0	
% Moisture	20.0	0.1	%	1	P6F1506	06/15/16	06/16/16	% calculation	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	31.2	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C12-C28	ND	31.2	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C28-C35	ND	31.2	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
Surrogate: 1-Chlorooctane		108 %	70-130		P6F2004	06/17/16	06/18/16	TPH 8015M	
Surrogate: o-Terphenyl		113 %	70-130		P6F2004	06/17/16	06/18/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	31.2	mg/kg dry	1	[CALC]	06/17/16	06/18/16	calc	

DRAFT REPORT

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

DP 3 0-2
6F09009-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	0.00471	0.00115	mg/kg dry	1	P6F1510	06/14/16	06/15/16	EPA 8021B	
Toluene	0.208	0.00230	mg/kg dry	1	P6F1510	06/14/16	06/15/16	EPA 8021B	
Ethylbenzene	0.0463	0.00115	mg/kg dry	1	P6F1510	06/14/16	06/15/16	EPA 8021B	
Xylene (p/m)	0.432	0.00230	mg/kg dry	1	P6F1510	06/14/16	06/15/16	EPA 8021B	
Xylene (o)	0.127	0.00115	mg/kg dry	1	P6F1510	06/14/16	06/15/16	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		74.8 %	75-125		P6F1510	06/14/16	06/15/16	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		70.4 %	75-125		P6F1510	06/14/16	06/15/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	3.71	1.15	mg/kg dry	1	P6F2014	06/20/16	06/20/16	EPA 300.0	
% Moisture	13.0	0.1	%	1	P6F1506	06/15/16	06/16/16	% calculation	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	1490	28.7	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C12-C28	1480	28.7	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C28-C35	108	28.7	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		111 %	70-130		P6F2004	06/17/16	06/18/16	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		114 %	70-130		P6F2004	06/17/16	06/18/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	3080	28.7	mg/kg dry	1	[CALC]	06/17/16	06/18/16	calc	

DRAFT REPORT

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

DP 3 4-6
6F09009-17 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00104	mg/kg dry	1	P6F1504	06/13/16	06/14/16	EPA 8021B	
Toluene	ND	0.00208	mg/kg dry	1	P6F1504	06/13/16	06/14/16	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P6F1504	06/13/16	06/14/16	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P6F1504	06/13/16	06/14/16	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P6F1504	06/13/16	06/14/16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		118 %	75-125		P6F1504	06/13/16	06/14/16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		96.4 %	75-125		P6F1504	06/13/16	06/14/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	3.91	1.04	mg/kg dry	1	P6F2014	06/20/16	06/20/16	EPA 300.0	
% Moisture	4.0	0.1	%	1	P6F1506	06/15/16	06/16/16	% calculation	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
Surrogate: 1-Chlorooctane		110 %	70-130		P6F2004	06/17/16	06/18/16	TPH 8015M	
Surrogate: o-Terphenyl		118 %	70-130		P6F2004	06/17/16	06/18/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	06/17/16	06/18/16	calc	

DRAFT REPORT

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

DP 3 8-10
6F09009-19 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00123	mg/kg dry	1	P6F1504	06/13/16	06/14/16	EPA 8021B	
Toluene	ND	0.00247	mg/kg dry	1	P6F1504	06/13/16	06/14/16	EPA 8021B	
Ethylbenzene	ND	0.00123	mg/kg dry	1	P6F1504	06/13/16	06/14/16	EPA 8021B	
Xylene (p/m)	0.00678	0.00247	mg/kg dry	1	P6F1504	06/13/16	06/14/16	EPA 8021B	
Xylene (o)	0.00781	0.00123	mg/kg dry	1	P6F1504	06/13/16	06/14/16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		91.6 %	75-125		P6F1504	06/13/16	06/14/16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		98.8 %	75-125		P6F1504	06/13/16	06/14/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	37.2	1.23	mg/kg dry	1	P6F2014	06/20/16	06/20/16	EPA 300.0	
% Moisture	19.0	0.1	%	1	P6F1506	06/15/16	06/16/16	% calculation	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	30.9	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C12-C28	76.5	30.9	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C28-C35	ND	30.9	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
Surrogate: 1-Chlorooctane		116 %	70-130		P6F2004	06/17/16	06/18/16	TPH 8015M	
Surrogate: o-Terphenyl		122 %	70-130		P6F2004	06/17/16	06/18/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	76.5	30.9	mg/kg dry	1	[CALC]	06/17/16	06/18/16	calc	

DRAFT REPORT

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

DP 4 0-2
6F09009-20 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	0.286	0.0220	mg/kg dry	20	P6F1609	06/15/16	06/15/16	EPA 8021B	
Toluene	5.88	0.0440	mg/kg dry	20	P6F1609	06/15/16	06/15/16	EPA 8021B	
Ethylbenzene	1.36	0.0220	mg/kg dry	20	P6F1609	06/15/16	06/15/16	EPA 8021B	
Xylene (p/m)	11.8	0.0440	mg/kg dry	20	P6F1609	06/15/16	06/15/16	EPA 8021B	
Xylene (o)	3.56	0.0220	mg/kg dry	20	P6F1609	06/15/16	06/15/16	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.3 %	75-125		P6F1609	06/15/16	06/15/16	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		110 %	75-125		P6F1609	06/15/16	06/15/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	4.33	1.10	mg/kg dry	1	P6F2014	06/20/16	06/20/16	EPA 300.0	
% Moisture	9.0	0.1	%	1	P6F1506	06/15/16	06/16/16	% calculation	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	3740	27.5	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C12-C28	4390	27.5	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C28-C35	351	27.5	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		123 %	70-130		P6F2004	06/17/16	06/18/16	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		124 %	70-130		P6F2004	06/17/16	06/18/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	8490	27.5	mg/kg dry	1	[CALC]	06/17/16	06/18/16	calc	

DRAFT REPORT

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

DP 4 4-6
6F09009-22 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	4.17	0.222	mg/kg dry	200	P6F1609	06/15/16	06/15/16	EPA 8021B	
Toluene	72.4	0.444	mg/kg dry	200	P6F1609	06/15/16	06/15/16	EPA 8021B	
Ethylbenzene	15.9	0.222	mg/kg dry	200	P6F1609	06/15/16	06/15/16	EPA 8021B	
Xylene (p/m)	129	0.444	mg/kg dry	200	P6F1609	06/15/16	06/15/16	EPA 8021B	
Xylene (o)	40.4	0.222	mg/kg dry	200	P6F1609	06/15/16	06/15/16	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		89.0 %		75-125	P6F1609	06/15/16	06/15/16	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.6 %		75-125	P6F1609	06/15/16	06/15/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	12.8	1.11	mg/kg dry	1	P6F2014	06/20/16	06/20/16	EPA 300.0	
% Moisture	10.0	0.1	%	1	P6F1506	06/15/16	06/16/16	% calculation	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	3760	27.8	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C12-C28	3600	27.8	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C28-C35	315	27.8	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		136 %		70-130	P6F2004	06/17/16	06/18/16	TPH 8015M	S-GC
<i>Surrogate: o-Terphenyl</i>		120 %		70-130	P6F2004	06/17/16	06/18/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	7670	27.8	mg/kg dry	1	[CALC]	06/17/16	06/18/16	calc	

DRAFT REPORT

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

DP 4 8-10
6F09009-24 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	0.00127	0.00111	mg/kg dry	1	P6F1510	06/14/16	06/15/16	EPA 8021B	
Toluene	0.0752	0.00222	mg/kg dry	1	P6F1510	06/14/16	06/15/16	EPA 8021B	
Ethylbenzene	0.0191	0.00111	mg/kg dry	1	P6F1510	06/14/16	06/15/16	EPA 8021B	
Xylene (p/m)	0.237	0.00222	mg/kg dry	1	P6F1510	06/14/16	06/15/16	EPA 8021B	
Xylene (o)	0.0539	0.00111	mg/kg dry	1	P6F1510	06/14/16	06/15/16	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		95.0 %	75-125		P6F1510	06/14/16	06/15/16	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		94.3 %	75-125		P6F1510	06/14/16	06/15/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	13.6	1.11	mg/kg dry	1	P6F2014	06/20/16	06/20/16	EPA 300.0	
% Moisture	10.0	0.1	%	1	P6F1506	06/15/16	06/16/16	% calculation	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	651	27.8	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C12-C28	1050	27.8	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C28-C35	102	27.8	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		124 %	70-130		P6F2004	06/17/16	06/18/16	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		120 %	70-130		P6F2004	06/17/16	06/18/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	1800	27.8	mg/kg dry	1	[CALC]	06/17/16	06/18/16	calc	

DRAFT REPORT

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

DP 5 0-2
6F09009-25 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	3.25	0.538	mg/kg dry	500	P6F1609	06/15/16	06/15/16	EPA 8021B	
Toluene	129	1.08	mg/kg dry	500	P6F1609	06/15/16	06/15/16	EPA 8021B	
Ethylbenzene	30.5	0.538	mg/kg dry	500	P6F1609	06/15/16	06/15/16	EPA 8021B	
Xylene (p/m)	273	1.08	mg/kg dry	500	P6F1609	06/15/16	06/15/16	EPA 8021B	
Xylene (o)	62.3	0.538	mg/kg dry	500	P6F1609	06/15/16	06/15/16	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		97.6 %		75-125	P6F1609	06/15/16	06/15/16	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		99.8 %		75-125	P6F1609	06/15/16	06/15/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	3.04	1.08	mg/kg dry	1	P6F2014	06/20/16	06/20/16	EPA 300.0	
% Moisture	7.0	0.1	%	1	P6F1506	06/15/16	06/16/16	% calculation	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	7710	134	mg/kg dry	5	P6F2004	06/17/16	06/20/16	TPH 8015M	
>C12-C28	6410	134	mg/kg dry	5	P6F2004	06/17/16	06/20/16	TPH 8015M	
>C28-C35	1070	134	mg/kg dry	5	P6F2004	06/17/16	06/20/16	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		118 %		70-130	P6F2004	06/17/16	06/20/16	TPH 8015M	S-GC
<i>Surrogate: o-Terphenyl</i>		122 %		70-130	P6F2004	06/17/16	06/20/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	15200	134	mg/kg dry	5	[CALC]	06/17/16	06/20/16	calc	

DRAFT REPORT

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

DP 5 4-6
6F09009-27 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.0208	mg/kg dry	20	P6F2012	06/17/16	06/17/16	EPA 8021B	
Toluene	0.0542	0.0417	mg/kg dry	20	P6F2012	06/17/16	06/17/16	EPA 8021B	
Ethylbenzene	ND	0.0208	mg/kg dry	20	P6F2012	06/17/16	06/17/16	EPA 8021B	
Xylene (p/m)	1.71	0.0417	mg/kg dry	20	P6F2012	06/17/16	06/17/16	EPA 8021B	
Xylene (o)	0.221	0.0208	mg/kg dry	20	P6F2012	06/17/16	06/17/16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		107 %	75-125		P6F2012	06/17/16	06/17/16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		112 %	75-125		P6F2012	06/17/16	06/17/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	3.86	1.04	mg/kg dry	1	P6F2015	06/20/16	06/20/16	EPA 300.0	
% Moisture	4.0	0.1	%	1	P6F1506	06/15/16	06/16/16	% calculation	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	149	26.0	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C12-C28	353	26.0	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C28-C35	55.2	26.0	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
Surrogate: 1-Chlorooctane		120 %	70-130		P6F2004	06/17/16	06/18/16	TPH 8015M	
Surrogate: o-Terphenyl		121 %	70-130		P6F2004	06/17/16	06/18/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	557	26.0	mg/kg dry	1	[CALC]	06/17/16	06/18/16	calc	

DRAFT REPORT

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

DP 5 8-10
6F09009-29 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.0215	mg/kg dry	20	P6F2012	06/17/16	06/17/16	EPA 8021B	
Toluene	ND	0.0430	mg/kg dry	20	P6F2012	06/17/16	06/17/16	EPA 8021B	
Ethylbenzene	ND	0.0215	mg/kg dry	20	P6F2012	06/17/16	06/17/16	EPA 8021B	
Xylene (p/m)	ND	0.0430	mg/kg dry	20	P6F2012	06/17/16	06/17/16	EPA 8021B	
Xylene (o)	0.0890	0.0215	mg/kg dry	20	P6F2012	06/17/16	06/17/16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	75-125		P6F2012	06/17/16	06/17/16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		118 %	75-125		P6F2012	06/17/16	06/17/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	8.08	1.08	mg/kg dry	1	P6F2014	06/20/16	06/20/16	EPA 300.0	
% Moisture	7.0	0.1	%	1	P6F1506	06/15/16	06/16/16	% calculation	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	65.2	26.9	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C12-C28	294	26.9	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C28-C35	31.2	26.9	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
Surrogate: 1-Chlorooctane		116 %	70-130		P6F2004	06/17/16	06/18/16	TPH 8015M	
Surrogate: o-Terphenyl		120 %	70-130		P6F2004	06/17/16	06/18/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	391	26.9	mg/kg dry	1	[CALC]	06/17/16	06/18/16	calc	

DRAFT REPORT

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

DP 5 12-14
6F09009-31 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00106	mg/kg dry	1	P6F1504	06/13/16	06/14/16	EPA 8021B	
Toluene	ND	0.00213	mg/kg dry	1	P6F1504	06/13/16	06/14/16	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P6F1504	06/13/16	06/14/16	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P6F1504	06/13/16	06/14/16	EPA 8021B	
Xylene (o)	0.00883	0.00106	mg/kg dry	1	P6F1504	06/13/16	06/14/16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	75-125		P6F1504	06/13/16	06/14/16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		112 %	75-125		P6F1504	06/13/16	06/14/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	69.0	1.06	mg/kg dry	1	P6F2014	06/20/16	06/20/16	EPA 300.0	
% Moisture	6.0	0.1	%	1	P6F1506	06/15/16	06/16/16	% calculation	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
Surrogate: 1-Chlorooctane		111 %	70-130		P6F2004	06/17/16	06/18/16	TPH 8015M	
Surrogate: o-Terphenyl		116 %	70-130		P6F2004	06/17/16	06/18/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	06/17/16	06/18/16	calc	

DRAFT REPORT

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

DP 6 0-2
6F09009-33 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	2.76	0.532	mg/kg dry	500	P6F2012	06/17/16	06/17/16	EPA 8021B	
Toluene	116	1.06	mg/kg dry	500	P6F2012	06/17/16	06/17/16	EPA 8021B	
Ethylbenzene	30.7	0.532	mg/kg dry	500	P6F2012	06/17/16	06/17/16	EPA 8021B	
Xylene (p/m)	282	1.06	mg/kg dry	500	P6F2012	06/17/16	06/17/16	EPA 8021B	
Xylene (o)	81.0	0.532	mg/kg dry	500	P6F2012	06/17/16	06/17/16	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		76.8 %		75-125	P6F2012	06/17/16	06/17/16	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		94.5 %		75-125	P6F2012	06/17/16	06/17/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	3.86	1.06	mg/kg dry	1	P6F2014	06/20/16	06/20/16	EPA 300.0	
% Moisture	6.0	0.1	%	1	P6F1506	06/15/16	06/16/16	% calculation	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	8630	133	mg/kg dry	5	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C12-C28	13200	133	mg/kg dry	5	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C28-C35	1130	133	mg/kg dry	5	P6F2004	06/17/16	06/18/16	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		115 %		70-130	P6F2004	06/17/16	06/18/16	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		128 %		70-130	P6F2004	06/17/16	06/18/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	22900	133	mg/kg dry	5	[CALC]	06/17/16	06/18/16	calc	

DRAFT REPORT

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

DP 6 2-4
6F09009-34 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.0211	mg/kg dry	20	P6F2021	06/18/16	06/18/16	EPA 8021B	
Toluene	0.0867	0.0421	mg/kg dry	20	P6F2021	06/18/16	06/18/16	EPA 8021B	
Ethylbenzene	ND	0.0211	mg/kg dry	20	P6F2021	06/18/16	06/18/16	EPA 8021B	
Xylene (p/m)	0.891	0.0421	mg/kg dry	20	P6F2021	06/18/16	06/18/16	EPA 8021B	
Xylene (o)	0.338	0.0211	mg/kg dry	20	P6F2021	06/18/16	06/18/16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		110 %	75-125		P6F2021	06/18/16	06/18/16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		109 %	75-125		P6F2021	06/18/16	06/18/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	3.21	1.05	mg/kg dry	1	P6F2014	06/20/16	06/20/16	EPA 300.0	
% Moisture	5.0	0.1	%	1	P6F1506	06/15/16	06/16/16	% calculation	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	130	26.3	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C12-C28	486	26.3	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C28-C35	52.9	26.3	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
Surrogate: 1-Chlorooctane		122 %	70-130		P6F2004	06/17/16	06/18/16	TPH 8015M	
Surrogate: o-Terphenyl		124 %	70-130		P6F2004	06/17/16	06/18/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	670	26.3	mg/kg dry	1	[CALC]	06/17/16	06/18/16	calc	

DRAFT REPORT

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

DP 6 4-6
6F09009-35 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00103	mg/kg dry	1	P6F1504	06/13/16	06/14/16	EPA 8021B	
Toluene	ND	0.00206	mg/kg dry	1	P6F1504	06/13/16	06/14/16	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P6F1504	06/13/16	06/14/16	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P6F1504	06/13/16	06/14/16	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P6F1504	06/13/16	06/14/16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	75-125		P6F1504	06/13/16	06/14/16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		112 %	75-125		P6F1504	06/13/16	06/14/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	48.9	1.03	mg/kg dry	1	P6F2015	06/20/16	06/20/16	EPA 300.0	
% Moisture	3.0	0.1	%	1	P6F1506	06/15/16	06/16/16	% calculation	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
Surrogate: 1-Chlorooctane		105 %	70-130		P6F2004	06/17/16	06/18/16	TPH 8015M	
Surrogate: o-Terphenyl		112 %	70-130		P6F2004	06/17/16	06/18/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	06/17/16	06/18/16	calc	

DRAFT REPORT

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

DP 6 8-10
6F09009-37 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00120	mg/kg dry	1	P6F1504	06/13/16	06/14/16	EPA 8021B	
Toluene	ND	0.00241	mg/kg dry	1	P6F1504	06/13/16	06/14/16	EPA 8021B	
Ethylbenzene	ND	0.00120	mg/kg dry	1	P6F1504	06/13/16	06/14/16	EPA 8021B	
Xylene (p/m)	ND	0.00241	mg/kg dry	1	P6F1504	06/13/16	06/14/16	EPA 8021B	
Xylene (o)	ND	0.00120	mg/kg dry	1	P6F1504	06/13/16	06/14/16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		99.9 %	75-125		P6F1504	06/13/16	06/14/16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		113 %	75-125		P6F1504	06/13/16	06/14/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	209	1.20	mg/kg dry	1	P6F2015	06/20/16	06/20/16	EPA 300.0	
% Moisture	17.0	0.1	%	1	P6F1506	06/15/16	06/16/16	% calculation	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	30.1	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C12-C28	ND	30.1	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
>C28-C35	ND	30.1	mg/kg dry	1	P6F2004	06/17/16	06/18/16	TPH 8015M	
Surrogate: 1-Chlorooctane		109 %	70-130		P6F2004	06/17/16	06/18/16	TPH 8015M	
Surrogate: o-Terphenyl		119 %	70-130		P6F2004	06/17/16	06/18/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	30.1	mg/kg dry	1	[CALC]	06/17/16	06/18/16	calc	

DRAFT REPORT

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

DP 7 0-2
6F09009-39 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	2.16	0.538	mg/kg dry	500	P6F2012	06/17/16	06/17/16	EPA 8021B	
Toluene	83.2	1.08	mg/kg dry	500	P6F2012	06/17/16	06/17/16	EPA 8021B	
Ethylbenzene	20.8	0.538	mg/kg dry	500	P6F2012	06/17/16	06/17/16	EPA 8021B	
Xylene (p/m)	203	1.08	mg/kg dry	500	P6F2012	06/17/16	06/17/16	EPA 8021B	
Xylene (o)	56.9	0.538	mg/kg dry	500	P6F2012	06/17/16	06/17/16	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		99.1 %	75-125		P6F2012	06/17/16	06/17/16	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		92.5 %	75-125		P6F2012	06/17/16	06/17/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	6.61	1.08	mg/kg dry	1	P6F2015	06/20/16	06/20/16	EPA 300.0	
% Moisture	7.0	0.1	%	1	P6F1506	06/15/16	06/16/16	% calculation	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	4660	26.9	mg/kg dry	1	P6F2008	06/17/16	06/17/16	TPH 8015M	
>C12-C28	5220	26.9	mg/kg dry	1	P6F2008	06/17/16	06/17/16	TPH 8015M	
>C28-C35	752	26.9	mg/kg dry	1	P6F2008	06/17/16	06/17/16	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		156 %	70-130		P6F2008	06/17/16	06/17/16	TPH 8015M	S-GC
<i>Surrogate: o-Terphenyl</i>		127 %	70-130		P6F2008	06/17/16	06/17/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	10600	26.9	mg/kg dry	1	[CALC]	06/17/16	06/17/16	calc	

DRAFT REPORT

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

DP 7 4-6
6F09009-41 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00104	mg/kg dry	1	P6F1510	06/14/16	06/15/16	EPA 8021B	
Toluene	0.00666	0.00208	mg/kg dry	1	P6F1510	06/14/16	06/15/16	EPA 8021B	
Ethylbenzene	0.00566	0.00104	mg/kg dry	1	P6F1510	06/14/16	06/15/16	EPA 8021B	
Xylene (p/m)	0.0664	0.00208	mg/kg dry	1	P6F1510	06/14/16	06/15/16	EPA 8021B	
Xylene (o)	0.00498	0.00104	mg/kg dry	1	P6F1510	06/14/16	06/15/16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		124 %	75-125		P6F1510	06/14/16	06/15/16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		122 %	75-125		P6F1510	06/14/16	06/15/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	8.45	1.04	mg/kg dry	1	P6F2015	06/20/16	06/20/16	EPA 300.0	
% Moisture	4.0	0.1	%	1	P6F1506	06/15/16	06/16/16	% calculation	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	124	26.0	mg/kg dry	1	P6F2008	06/17/16	06/18/16	TPH 8015M	
>C12-C28	719	26.0	mg/kg dry	1	P6F2008	06/17/16	06/18/16	TPH 8015M	
>C28-C35	97.7	26.0	mg/kg dry	1	P6F2008	06/17/16	06/18/16	TPH 8015M	
Surrogate: 1-Chlorooctane		115 %	70-130		P6F2008	06/17/16	06/18/16	TPH 8015M	
Surrogate: o-Terphenyl		126 %	70-130		P6F2008	06/17/16	06/18/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	941	26.0	mg/kg dry	1	[CALC]	06/17/16	06/18/16	calc	

DRAFT REPORT

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

DP 7 8-10
6F09009-43 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00106	mg/kg dry	1	P6F1504	06/13/16	06/14/16	EPA 8021B	
Toluene	ND	0.00213	mg/kg dry	1	P6F1504	06/13/16	06/14/16	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P6F1504	06/13/16	06/14/16	EPA 8021B	
Xylene (p/m)	0.0101	0.00213	mg/kg dry	1	P6F1504	06/13/16	06/14/16	EPA 8021B	
Xylene (o)	0.00129	0.00106	mg/kg dry	1	P6F1504	06/13/16	06/14/16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		104 %	75-125		P6F1504	06/13/16	06/14/16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		110 %	75-125		P6F1504	06/13/16	06/14/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	54.7	1.06	mg/kg dry	1	P6F2015	06/20/16	06/20/16	EPA 300.0	
% Moisture	6.0	0.1	%	1	P6F1506	06/15/16	06/16/16	% calculation	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	P6F2008	06/17/16	06/18/16	TPH 8015M	
>C12-C28	125	26.6	mg/kg dry	1	P6F2008	06/17/16	06/18/16	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P6F2008	06/17/16	06/18/16	TPH 8015M	
Surrogate: 1-Chlorooctane		113 %	70-130		P6F2008	06/17/16	06/18/16	TPH 8015M	
Surrogate: o-Terphenyl		129 %	70-130		P6F2008	06/17/16	06/18/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	125	26.6	mg/kg dry	1	[CALC]	06/17/16	06/18/16	calc	

DRAFT REPORT

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

DP 7 12-14
6F09009-45 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.0227	mg/kg dry	20	P6F2012	06/17/16	06/17/16	EPA 8021B	
Toluene	ND	0.0455	mg/kg dry	20	P6F2012	06/17/16	06/17/16	EPA 8021B	
Ethylbenzene	ND	0.0227	mg/kg dry	20	P6F2012	06/17/16	06/17/16	EPA 8021B	
Xylene (p/m)	ND	0.0455	mg/kg dry	20	P6F2012	06/17/16	06/17/16	EPA 8021B	
Xylene (o)	ND	0.0227	mg/kg dry	20	P6F2012	06/17/16	06/17/16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		115 %	75-125		P6F2012	06/17/16	06/17/16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	75-125		P6F2012	06/17/16	06/17/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	18.7	1.14	mg/kg dry	1	P6F2015	06/20/16	06/20/16	EPA 300.0	
% Moisture	12.0	0.1	%	1	P6F1506	06/15/16	06/16/16	% calculation	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.4	mg/kg dry	1	P6F2008	06/17/16	06/18/16	TPH 8015M	
>C12-C28	198	28.4	mg/kg dry	1	P6F2008	06/17/16	06/18/16	TPH 8015M	
>C28-C35	ND	28.4	mg/kg dry	1	P6F2008	06/17/16	06/18/16	TPH 8015M	
Surrogate: 1-Chlorooctane		108 %	70-130		P6F2008	06/17/16	06/18/16	TPH 8015M	
Surrogate: o-Terphenyl		125 %	70-130		P6F2008	06/17/16	06/18/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	198	28.4	mg/kg dry	1	[CALC]	06/17/16	06/18/16	calc	

DRAFT REPORT

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

DP 8 0-2
6F09009-46 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	0.128	0.106	mg/kg dry	100	P6F2012	06/17/16	06/17/16	EPA 8021B	
Toluene	8.15	0.213	mg/kg dry	100	P6F2012	06/17/16	06/17/16	EPA 8021B	
Ethylbenzene	3.00	0.106	mg/kg dry	100	P6F2012	06/17/16	06/17/16	EPA 8021B	
Xylene (p/m)	35.8	0.213	mg/kg dry	100	P6F2012	06/17/16	06/17/16	EPA 8021B	
Xylene (o)	10.4	0.106	mg/kg dry	100	P6F2012	06/17/16	06/17/16	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		90.1 %	75-125		P6F2012	06/17/16	06/17/16	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		77.8 %	75-125		P6F2012	06/17/16	06/17/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	5.66	1.06	mg/kg dry	1	P6F2015	06/20/16	06/20/16	EPA 300.0	
% Moisture	6.0	0.1	%	1	P6F1506	06/15/16	06/16/16	% calculation	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	1170	26.6	mg/kg dry	1	P6F2008	06/17/16	06/18/16	TPH 8015M	
>C12-C28	1380	26.6	mg/kg dry	1	P6F2008	06/17/16	06/18/16	TPH 8015M	
>C28-C35	151	26.6	mg/kg dry	1	P6F2008	06/17/16	06/18/16	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		118 %	70-130		P6F2008	06/17/16	06/18/16	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		109 %	70-130		P6F2008	06/17/16	06/18/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	2690	26.6	mg/kg dry	1	[CALC]	06/17/16	06/18/16	calc	

DRAFT REPORT

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

DP 8 4-6
6F09009-48 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.0208	mg/kg dry	20	P6F2020	06/18/16	06/18/16	EPA 8021B	
Toluene	ND	0.0417	mg/kg dry	20	P6F2020	06/18/16	06/18/16	EPA 8021B	
Ethylbenzene	ND	0.0208	mg/kg dry	20	P6F2020	06/18/16	06/18/16	EPA 8021B	
Xylene (p/m)	ND	0.0417	mg/kg dry	20	P6F2020	06/18/16	06/18/16	EPA 8021B	
Xylene (o)	0.358	0.0208	mg/kg dry	20	P6F2020	06/18/16	06/18/16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		122 %	75-125		P6F2020	06/18/16	06/18/16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		100 %	75-125		P6F2020	06/18/16	06/18/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	6.95	1.04	mg/kg dry	1	P6F2015	06/20/16	06/20/16	EPA 300.0	
% Moisture	4.0	0.1	%	1	P6F1506	06/15/16	06/16/16	% calculation	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P6F2008	06/17/16	06/18/16	TPH 8015M	
>C12-C28	64.0	26.0	mg/kg dry	1	P6F2008	06/17/16	06/18/16	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P6F2008	06/17/16	06/18/16	TPH 8015M	
Surrogate: 1-Chlorooctane		114 %	70-130		P6F2008	06/17/16	06/18/16	TPH 8015M	
Surrogate: o-Terphenyl		126 %	70-130		P6F2008	06/17/16	06/18/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	64.0	26.0	mg/kg dry	1	[CALC]	06/17/16	06/18/16	calc	

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Midland TX, 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

DP 8 8-10
6F09009-50 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00118	mg/kg dry	1	P6F1504	06/13/16	06/14/16	EPA 8021B	
Toluene	ND	0.00235	mg/kg dry	1	P6F1504	06/13/16	06/14/16	EPA 8021B	
Ethylbenzene	ND	0.00118	mg/kg dry	1	P6F1504	06/13/16	06/14/16	EPA 8021B	
Xylene (p/m)	ND	0.00235	mg/kg dry	1	P6F1504	06/13/16	06/14/16	EPA 8021B	
Xylene (o)	0.0131	0.00118	mg/kg dry	1	P6F1504	06/13/16	06/14/16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		135 %	75-125		P6F1504	06/13/16	06/14/16	EPA 8021B	S-GC
Surrogate: 4-Bromofluorobenzene		125 %	75-125		P6F1504	06/13/16	06/14/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	31.3	1.18	mg/kg dry	1	P6F2015	06/20/16	06/20/16	EPA 300.0	
% Moisture	15.0	0.1	%	1	P6F1506	06/15/16	06/21/16	% calculation	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.4	mg/kg dry	1	P6F2003	06/17/16	06/18/16	TPH 8015M	
>C12-C28	ND	29.4	mg/kg dry	1	P6F2003	06/17/16	06/18/16	TPH 8015M	
>C28-C35	ND	29.4	mg/kg dry	1	P6F2003	06/17/16	06/18/16	TPH 8015M	
Surrogate: 1-Chlorooctane		112 %	70-130		P6F2003	06/17/16	06/18/16	TPH 8015M	
Surrogate: o-Terphenyl		127 %	70-130		P6F2003	06/17/16	06/18/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.4	mg/kg dry	1	[CALC]	06/17/16	06/18/16	calc	

DRAFT REPORT

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Larson & Associates, Inc.
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Midland TX, 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P6F1504 - General Preparation (GC)

Blank (P6F1504-BLK1)

Prepared & Analyzed: 06/13/16

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00200	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.0604		"	0.0600		101	75-125			
Surrogate: 1,4-Difluorobenzene	0.0666		"	0.0600		111	75-125			

LCS (P6F1504-BS1)

Prepared & Analyzed: 06/13/16

Benzene	0.101	0.00100	mg/kg wet	0.100		101	70-130			
Toluene	0.112	0.00200	"	0.100		112	70-130			
Ethylbenzene	0.111	0.00100	"	0.100		111	70-130			
Xylene (p/m)	0.193	0.00200	"	0.200		96.4	70-130			
Xylene (o)	0.115	0.00100	"	0.100		115	70-130			
Surrogate: 1,4-Difluorobenzene	0.0620		"	0.0600		103	75-125			
Surrogate: 4-Bromofluorobenzene	0.0639		"	0.0600		107	75-125			

LCS Dup (P6F1504-BSD1)

Prepared & Analyzed: 06/13/16

Benzene	0.0949	0.00100	mg/kg wet	0.100		94.9	70-130	6.11	20	
Toluene	0.103	0.00200	"	0.100		103	70-130	8.54	20	
Ethylbenzene	0.103	0.00100	"	0.100		103	70-130	6.69	20	
Xylene (p/m)	0.187	0.00200	"	0.200		93.3	70-130	3.36	20	
Xylene (o)	0.108	0.00100	"	0.100		108	70-130	6.05	20	
Surrogate: 4-Bromofluorobenzene	0.0636		"	0.0600		106	75-125			
Surrogate: 1,4-Difluorobenzene	0.0614		"	0.0600		102	75-125			

Duplicate (P6F1504-DUP1)

Source: 6F10002-06

Prepared: 06/13/16 Analyzed: 06/14/16

Benzene	ND	0.118	mg/kg dry		ND				20	
Toluene	0.621	0.235	"		ND				20	
Ethylbenzene	ND	0.118	"		ND				20	
Xylene (p/m)	10.8	0.235	"		8.97			18.4	20	
Xylene (o)	2.38	0.118	"		1.51			44.6	20	R3
Surrogate: 4-Bromofluorobenzene	0.0554		"	0.0706		78.4	75-125			
Surrogate: 1,4-Difluorobenzene	0.0842		"	0.0706		119	75-125			

DRAFT REPORT

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P6F1510 - General Preparation (GC)

Blank (P6F1510-BLK1)

Prepared & Analyzed: 06/14/16

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00200	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.0588		"	0.0600		98.1	75-125			
Surrogate: 1,4-Difluorobenzene	0.0672		"	0.0600		112	75-125			

LCS (P6F1510-BS1)

Prepared & Analyzed: 06/14/16

Benzene	0.0990	0.00100	mg/kg wet	0.100		99.0	70-130			
Toluene	0.0999	0.00200	"	0.100		99.9	70-130			
Ethylbenzene	0.103	0.00100	"	0.100		103	70-130			
Xylene (p/m)	0.179	0.00200	"	0.200		89.6	70-130			
Xylene (o)	0.102	0.00100	"	0.100		102	70-130			
Surrogate: 1,4-Difluorobenzene	0.0652		"	0.0600		109	75-125			
Surrogate: 4-Bromofluorobenzene	0.0611		"	0.0600		102	75-125			

LCS Dup (P6F1510-BSD1)

Prepared & Analyzed: 06/14/16

Benzene	0.110	0.00100	mg/kg wet	0.100		110	70-130	10.1	20	
Toluene	0.115	0.00200	"	0.100		115	70-130	14.4	20	
Ethylbenzene	0.119	0.00100	"	0.100		119	70-130	14.9	20	
Xylene (p/m)	0.200	0.00200	"	0.200		99.9	70-130	10.9	20	
Xylene (o)	0.117	0.00100	"	0.100		117	70-130	13.6	20	
Surrogate: 4-Bromofluorobenzene	0.0635		"	0.0600		106	75-125			
Surrogate: 1,4-Difluorobenzene	0.0662		"	0.0600		110	75-125			

Duplicate (P6F1510-DUP1)

Source: 6F09009-41

Prepared: 06/14/16 Analyzed: 06/15/16

Benzene	ND	0.00104	mg/kg dry		ND				20	
Toluene	0.00158	0.00208	"		0.00666			123	20	
Ethylbenzene	0.00302	0.00104	"		0.00566			60.7	20	
Xylene (p/m)	0.0445	0.00208	"		0.0664			39.5	20	
Xylene (o)	0.00481	0.00104	"		0.00498			3.40	20	
Surrogate: 1,4-Difluorobenzene	0.0807		"	0.0625		129	75-125			S-GC
Surrogate: 4-Bromofluorobenzene	0.0728		"	0.0625		116	75-125			

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Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

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Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P6F1609 - General Preparation (GC)

Blank (P6F1609-BLK1)

Prepared & Analyzed: 06/15/16

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00200	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.0643		"	0.0600		107	75-125			
Surrogate: 4-Bromofluorobenzene	0.0617		"	0.0600		103	75-125			

LCS (P6F1609-BS1)

Prepared & Analyzed: 06/15/16

Benzene	0.103	0.00100	mg/kg wet	0.100		103	70-130			
Toluene	0.112	0.00200	"	0.100		112	70-130			
Ethylbenzene	0.116	0.00100	"	0.100		116	70-130			
Xylene (p/m)	0.194	0.00200	"	0.200		97.1	70-130			
Xylene (o)	0.117	0.00100	"	0.100		117	70-130			
Surrogate: 4-Bromofluorobenzene	0.0664		"	0.0600		111	75-125			
Surrogate: 1,4-Difluorobenzene	0.0632		"	0.0600		105	75-125			

Matrix Spike (P6F1609-MS1)

Source: 6F14005-08

Prepared: 06/15/16 Analyzed: 06/16/16

Benzene	0.0942	0.00111	mg/kg dry	0.111	ND	84.8	80-120			
Toluene	0.0918	0.00222	"	0.111	ND	82.6	80-120			
Ethylbenzene	0.0984	0.00111	"	0.111	ND	88.6	80-120			
Xylene (p/m)	0.145	0.00222	"	0.222	0.00618	62.6	80-120			QM-07
Xylene (o)	0.120	0.00111	"	0.111	0.000889	107	80-120			
Surrogate: 1,4-Difluorobenzene	0.0756		"	0.0667		113	75-125			
Surrogate: 4-Bromofluorobenzene	0.0656		"	0.0667		98.4	75-125			

Matrix Spike Dup (P6F1609-MSD1)

Source: 6F14005-08

Prepared: 06/15/16 Analyzed: 06/16/16

Benzene	0.0975	0.00111	mg/kg dry	0.111	ND	87.7	80-120	3.40	20	
Toluene	0.101	0.00222	"	0.111	ND	90.9	80-120	9.54	20	
Ethylbenzene	0.114	0.00111	"	0.111	ND	102	80-120	14.6	20	
Xylene (p/m)	0.167	0.00222	"	0.222	0.00618	72.5	80-120	14.7	20	QM-07
Xylene (o)	0.119	0.00111	"	0.111	0.000889	106	80-120	0.985	20	
Surrogate: 1,4-Difluorobenzene	0.0742		"	0.0667		111	75-125			
Surrogate: 4-Bromofluorobenzene	0.0654		"	0.0667		98.1	75-125			

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P.O. Box 50685
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Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P6F2012 - General Preparation (GC)

Blank (P6F2012-BLK1)

Prepared & Analyzed: 06/17/16

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00200	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.0602		"	0.0600		100	75-125			
Surrogate: 4-Bromofluorobenzene	0.0642		"	0.0600		107	75-125			

LCS (P6F2012-BS1)

Prepared & Analyzed: 06/17/16

Benzene	0.118	0.00100	mg/kg wet	0.100		118	70-130			
Toluene	0.0936	0.00200	"	0.100		93.6	70-130			
Ethylbenzene	0.114	0.00100	"	0.100		114	70-130			
Xylene (p/m)	0.212	0.00200	"	0.200		106	70-130			
Xylene (o)	0.121	0.00100	"	0.100		121	70-130			
Surrogate: 4-Bromofluorobenzene	0.0688		"	0.0600		115	75-125			
Surrogate: 1,4-Difluorobenzene	0.0603		"	0.0600		101	75-125			

LCS Dup (P6F2012-BSD1)

Prepared & Analyzed: 06/17/16

Benzene	0.117	0.00100	mg/kg wet	0.100		117	70-130	0.637	20	
Toluene	0.0942	0.00200	"	0.100		94.2	70-130	0.660	20	
Ethylbenzene	0.116	0.00100	"	0.100		116	70-130	1.83	20	
Xylene (p/m)	0.210	0.00200	"	0.200		105	70-130	0.673	20	
Xylene (o)	0.116	0.00100	"	0.100		116	70-130	4.35	20	
Surrogate: 4-Bromofluorobenzene	0.0700		"	0.0600		117	75-125			
Surrogate: 1,4-Difluorobenzene	0.0608		"	0.0600		101	75-125			

Matrix Spike (P6F2012-MS1)

Source: 6F09011-05

Prepared & Analyzed: 06/17/16

Benzene	0.0998	0.0208	mg/kg dry	0.104	ND	95.8	80-120			
Toluene	0.0812	0.0417	"	0.104	ND	78.0	80-120			QM-07
Ethylbenzene	0.164	0.0208	"	0.104	ND	157	80-120			QM-07
Xylene (p/m)	0.598	0.0417	"	0.208	0.360	115	80-120			
Xylene (o)	0.142	0.0208	"	0.104	0.0444	93.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.0679		"	0.0625		109	75-125			
Surrogate: 4-Bromofluorobenzene	0.0473		"	0.0625		75.6	75-125			

DRAFT REPORT

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P6F2012 - General Preparation (GC)

Matrix Spike Dup (P6F2012-MSD1)		Source: 6F09011-05		Prepared & Analyzed: 06/17/16						
Benzene	0.120	0.0208	mg/kg dry	0.104	ND	115	80-120	18.0	20	
Toluene	0.126	0.0417	"	0.104	ND	121	80-120	43.5	20	QM-07
Ethylbenzene	0.138	0.0208	"	0.104	ND	132	80-120	17.3	20	QM-07
Xylene (p/m)	0.354	0.0417	"	0.208	0.360	NR	80-120	NR	20	QM-07
Xylene (o)	0.193	0.0208	"	0.104	0.0444	143	80-120	41.8	20	QM-07
Surrogate: 1,4-Difluorobenzene	0.0703		"	0.0625		113	75-125			
Surrogate: 4-Bromofluorobenzene	1.19		"	0.0625		NR	75-125			S-GC

Batch P6F2020 - General Preparation (GC)

Blank (P6F2020-BLK1)		Prepared & Analyzed: 06/18/16								
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00200	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.0675		"	0.0600		113	75-125			
Surrogate: 1,4-Difluorobenzene	0.0632		"	0.0600		105	75-125			

LCS (P6F2020-BS1)		Prepared & Analyzed: 06/18/16								
Benzene	0.0978	0.00100	mg/kg wet	0.100		97.8	70-130			
Toluene	0.0917	0.00200	"	0.100		91.7	70-130			
Ethylbenzene	0.107	0.00100	"	0.100		107	70-130			
Xylene (p/m)	0.184	0.00200	"	0.200		92.0	70-130			
Xylene (o)	0.108	0.00100	"	0.100		108	70-130			
Surrogate: 1,4-Difluorobenzene	0.0682		"	0.0600		114	75-125			
Surrogate: 4-Bromofluorobenzene	0.0754		"	0.0600		126	75-125			S-GC

DRAFT REPORT

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P6F2020 - General Preparation (GC)

LCS Dup (P6F2020-BSD1)

Prepared & Analyzed: 06/18/16

Benzene	0.118	0.00100	mg/kg wet	0.100		118	70-130	18.8	20	
Toluene	0.106	0.00200	"	0.100		106	70-130	14.7	20	
Ethylbenzene	0.122	0.00100	"	0.100		122	70-130	13.6	20	
Xylene (p/m)	0.207	0.00200	"	0.200		104	70-130	11.9	20	
Xylene (o)	0.117	0.00100	"	0.100		117	70-130	8.16	20	
Surrogate: 4-Bromofluorobenzene	0.0713		"	0.0600		119	75-125			
Surrogate: 1,4-Difluorobenzene	0.0616		"	0.0600		103	75-125			

Duplicate (P6F2020-DUP1)

Source: 6F17005-34

Prepared: 06/18/16 Analyzed: 06/19/16

Benzene	ND	0.272	mg/kg dry		ND				20	
Toluene	1.91	0.543	"		1.55			20.9	20	QM-07
Ethylbenzene	ND	0.272	"		ND				20	
Xylene (p/m)	19.7	0.543	"		18.3			7.38	20	
Xylene (o)	8.60	0.272	"		7.99			7.31	20	
Surrogate: 1,4-Difluorobenzene	0.0539		"	0.0652		82.7	75-125			
Surrogate: 4-Bromofluorobenzene	0.0736		"	0.0652		113	75-125			

Batch P6F2021 - General Preparation (GC)

Blank (P6F2021-BLK1)

Prepared & Analyzed: 06/18/16

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00200	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.0626		"	0.0600		104	75-125			
Surrogate: 1,4-Difluorobenzene	0.0615		"	0.0600		103	75-125			

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Midland TX, 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P6F2021 - General Preparation (GC)

LCS (P6F2021-BS1)		Prepared & Analyzed: 06/18/16								
Benzene	0.115	0.00100	mg/kg wet	0.100		115	70-130			
Toluene	0.0946	0.00200	"	0.100		94.6	70-130			
Ethylbenzene	0.112	0.00100	"	0.100		112	70-130			
Xylene (p/m)	0.204	0.00200	"	0.200		102	70-130			
Xylene (o)	0.116	0.00100	"	0.100		116	70-130			
Surrogate: 4-Bromofluorobenzene	0.0666		"	0.0600		111	75-125			
Surrogate: 1,4-Difluorobenzene	0.0609		"	0.0600		102	75-125			

LCS Dup (P6F2021-BSD1)		Prepared & Analyzed: 06/18/16								
Benzene	0.108	0.00100	mg/kg wet	0.100		108	70-130	6.69	20	
Toluene	0.0874	0.00200	"	0.100		87.4	70-130	7.94	20	
Ethylbenzene	0.107	0.00100	"	0.100		107	70-130	4.34	20	
Xylene (p/m)	0.183	0.00200	"	0.200		91.7	70-130	10.4	20	
Xylene (o)	0.106	0.00100	"	0.100		106	70-130	9.01	20	
Surrogate: 4-Bromofluorobenzene	0.0657		"	0.0600		109	75-125			
Surrogate: 1,4-Difluorobenzene	0.0633		"	0.0600		106	75-125			

Duplicate (P6F2021-DUP1)		Source: 6F15007-04		Prepared & Analyzed: 06/18/16						
Benzene	ND	0.0204	mg/kg dry		ND					20
Toluene	0.834	0.0408	"		0.736			12.6		20
Ethylbenzene	ND	0.0204	"		ND					20
Xylene (p/m)	4.81	0.0408	"		5.03			4.44		20
Xylene (o)	1.87	0.0204	"		1.89			1.09		20
Surrogate: 4-Bromofluorobenzene	0.0599		"	0.0612		97.8	75-125			
Surrogate: 1,4-Difluorobenzene	0.0564		"	0.0612		92.1	75-125			

DRAFT REPORT

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Page 38 of 48

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6F1402 - *** DEFAULT PREP ***										
Blank (P6F1402-BLK1)					Prepared & Analyzed: 06/14/16					
% Moisture	ND	0.1	%							
Duplicate (P6F1402-DUP1)					Source: 6F09009-07 Prepared & Analyzed: 06/14/16					
% Moisture	10.0	0.1	%		10.0			0.00	20	
Batch P6F1506 - *** DEFAULT PREP ***										
Blank (P6F1506-BLK1)					Prepared: 06/15/16 Analyzed: 06/16/16					
% Moisture	ND	0.1	%							
Duplicate (P6F1506-DUP1)					Source: 6F09009-34 Prepared: 06/15/16 Analyzed: 06/16/16					
% Moisture	5.0	0.1	%		5.0			0.00	20	
Batch P6F2014 - *** DEFAULT PREP ***										
Blank (P6F2014-BLK1)					Prepared & Analyzed: 06/20/16					
Chloride	ND	1.00	mg/kg wet							
LCS (P6F2014-BS1)					Prepared & Analyzed: 06/20/16					
Chloride	186	1.00	mg/kg wet	200		93.0	80-120			
LCS Dup (P6F2014-BSD1)					Prepared & Analyzed: 06/20/16					
Chloride	187	1.00	mg/kg wet	200		93.3	80-120	0.295	20	
Duplicate (P6F2014-DUP1)					Source: 6F13011-10 Prepared & Analyzed: 06/20/16					
Chloride	212	1.08	mg/kg dry		209			1.25	20	

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Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6F2014 - *** DEFAULT PREP ***										
Duplicate (P6F2014-DUP2)	Source: 6F09009-17			Prepared & Analyzed: 06/20/16						
Chloride	3.75	1.04	mg/kg dry		3.91			4.08	20	
Matrix Spike (P6F2014-MS1)	Source: 6F13011-10			Prepared & Analyzed: 06/20/16						
Chloride	384	1.08	mg/kg dry	215	209	81.5	80-120			
Batch P6F2015 - *** DEFAULT PREP ***										
Blank (P6F2015-BLK1)				Prepared & Analyzed: 06/20/16						
Chloride	ND	1.00	mg/kg wet							
LCS (P6F2015-BS1)				Prepared & Analyzed: 06/20/16						
Chloride	186	1.00	mg/kg wet	200		93.1	80-120			
LCS Dup (P6F2015-BSD1)				Prepared & Analyzed: 06/20/16						
Chloride	184	1.00	mg/kg wet	200		91.8	80-120	1.32	20	
Duplicate (P6F2015-DUP1)	Source: 6F09009-35			Prepared & Analyzed: 06/20/16						
Chloride	48.2	1.03	mg/kg dry		48.9			1.40	20	
Duplicate (P6F2015-DUP2)	Source: 6F14002-01			Prepared & Analyzed: 06/20/16						
Chloride	2030	5.43	mg/kg dry		2040			0.267	20	
Matrix Spike (P6F2015-MS1)	Source: 6F09009-35			Prepared & Analyzed: 06/20/16						
Chloride	184	1.03	mg/kg dry	155	48.9	87.1	80-120			

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Project: EOG Cedar Lake
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P6F1701 - TX 1005

Blank (P6F1701-BLK1)

Prepared & Analyzed: 06/16/16

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	92.8		"	100		92.8	70-130			
Surrogate: o-Terphenyl	45.1		"	50.0		90.2	70-130			

LCS (P6F1701-BS1)

Prepared & Analyzed: 06/16/16

C6-C12	816	25.0	mg/kg wet	1000		81.6	75-125			
>C12-C28	915	25.0	"	1000		91.5	75-125			
Surrogate: 1-Chlorooctane	101		"	100		101	70-130			
Surrogate: o-Terphenyl	36.6		"	50.0		73.2	70-130			

Batch P6F2003 - TX 1005

Blank (P6F2003-BLK1)

Prepared & Analyzed: 06/17/16

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	89.4		"	100		89.4	70-130			
Surrogate: o-Terphenyl	44.7		"	50.0		89.4	70-130			

LCS (P6F2003-BS1)

Prepared & Analyzed: 06/17/16

C6-C12	833	25.0	mg/kg wet	1000		83.3	75-125			
>C12-C28	1060	25.0	"	1000		106	75-125			
Surrogate: 1-Chlorooctane	116		"	100		116	70-130			
Surrogate: o-Terphenyl	41.8		"	50.0		83.6	70-130			

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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P6F2003 - TX 1005

LCS Dup (P6F2003-BSD1)

Prepared & Analyzed: 06/17/16

C6-C12	818	25.0	mg/kg wet	1000		81.8	75-125	1.81	20	
>C12-C28	1060	25.0	"	1000		106	75-125	0.447	20	
Surrogate: 1-Chlorooctane	115		"	100		115	70-130			
Surrogate: o-Terphenyl	40.4		"	50.0		80.8	70-130			

Duplicate (P6F2003-DUP1)

Source: 6F17001-04

Prepared: 06/17/16 Analyzed: 06/18/16

C6-C12	295	27.5	mg/kg dry		293			0.807	20	
>C12-C28	2020	27.5	"		2070			2.46	20	
Surrogate: 1-Chlorooctane	126		"	110		115	70-130			
Surrogate: o-Terphenyl	68.5		"	54.9		125	70-130			

Batch P6F2004 - TX 1005

Blank (P6F2004-BLK1)

Prepared: 06/17/16 Analyzed: 06/18/16

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	103		"	100		103	70-130			
Surrogate: o-Terphenyl	51.3		"	50.0		103	70-130			

LCS (P6F2004-BS1)

Prepared: 06/17/16 Analyzed: 06/18/16

C6-C12	904	25.0	mg/kg wet	1000		90.4	75-125			
>C12-C28	1050	25.0	"	1000		105	75-125			
Surrogate: 1-Chlorooctane	126		"	100		126	70-130			
Surrogate: o-Terphenyl	44.6		"	50.0		89.1	70-130			

LCS Dup (P6F2004-BSD1)

Prepared: 06/17/16 Analyzed: 06/18/16

C6-C12	969	25.0	mg/kg wet	1000		96.9	75-125	6.91	20	
>C12-C28	1090	25.0	"	1000		109	75-125	3.69	20	
Surrogate: 1-Chlorooctane	107		"	100		107	70-130			
Surrogate: o-Terphenyl	45.8		"	50.0		91.6	70-130			

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Project: EOG Cedar Lake
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P6F2008 - TX 1005

Blank (P6F2008-BLK1)

Prepared & Analyzed: 06/17/16

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	103		"	100		103	70-130			
Surrogate: o-Terphenyl	55.6		"	50.0		111	70-130			

LCS (P6F2008-BS1)

Prepared & Analyzed: 06/17/16

C6-C12	1050	25.0	mg/kg wet	1000		105	75-125			
>C12-C28	1130	25.0	"	1000		113	75-125			
Surrogate: 1-Chlorooctane	126		"	100		126	70-130			
Surrogate: o-Terphenyl	59.1		"	50.0		118	70-130			

LCS Dup (P6F2008-BSD1)

Prepared & Analyzed: 06/17/16

C6-C12	985	25.0	mg/kg wet	1000		98.5	75-125	6.89	20	
>C12-C28	1140	25.0	"	1000		114	75-125	1.22	20	
Surrogate: 1-Chlorooctane	126		"	100		126	70-130			
Surrogate: o-Terphenyl	56.3		"	50.0		113	70-130			

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Midland TX, 79710

Project: EOG Cedar Lake
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

Notes and Definitions

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

R3 The RPD exceeded the acceptance limit due to sample matrix effects.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

6/21/2016

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

DRAFT REPORT

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Arson & Associates, Inc.
Environmental Consultants

507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

Data Reported to:

DATE: 6-9-16 PAGE 1 OF 4
PO #: LAB WORK ORDER # 670906
PROJECT LOCATION OR NAME: EOG Cedar Lake
LAI PROJECT #: 16-0121-01 COLLECTOR: TRANS Williams

CHAIN-OF-CUSTODY

Page 45 of 48

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION				ANALYSES		FIELD NOTES	
						HCl	HNO ₃	H ₂ SO ₄ ☐ NaOH ☐	ICE				UNPRESERVED
DP1 0-2	1	6-7-16	1:30	S	1								
2-4	2		1										
4-6	3		1:40										
6-8	4		1										
8-10	5		1:47										
10-12	6		1										
12-14	7		1:55										
14-16	8		1										
DP2 0-2	9		3:00										
2-4	10		1										
4-6	11		3:07										
6-8	12		1										
8-10	13		3:14										
10-12	14		1										
DP3 0-2	15		3:37										
TOTAL													
RELINQUISHED BY: (Signature) DATE/TIME: <u>6/9/16</u> RECEIVED BY: (Signature)													
RELINQUISHED BY: (Signature) DATE/TIME: <u>6/9/16</u> RECEIVED BY: (Signature)													
RELINQUISHED BY: (Signature) DATE/TIME: <u>6/9/16 10:46</u> RECEIVED BY: (Signature)													
TURN AROUND TIME NORMAL ☒ 1 DAY ☐ 2 DAY ☐ OTHER ☐													
LABORATORY USE ONLY: RECEIVING TEMP: <u>32</u> THERM #: <u>41</u> CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED ☐ CARRIER BILL # ☐ HAND DELIVERED													

Arson & Associates, Inc.
Environmental Consultants

507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

Data Reported to:

DATE: 6-9-16 PAGE 2 OF 4
PO #: 670900 LAB WORK ORDER #: 670900
PROJECT LOCATION OR NAME: EOG Cedar Lake
LAI PROJECT #: 16-0121-01 COLLECTOR: Trent Williams

Page 46 of 48

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION				ANALYSES		FIELD NOTES	
						HCl	HNO ₃	H ₂ SO ₄ ☐ NaOH ☐	ICE				UNPRESERVED
DP 3 2-4	16	6-7-16	3:37	S	1								16
4-6	17		3:44										17
6-8	18		1										18
8-10	19		3:52										19
DP 4 0-2	20		4:15										20
2-4	21		1										21
4-6	22		4:20										22
6-8	23		1										23
8-9	24		4:25										24
DP 5 0-2	25	6-8-16	2:15										25
2-4	26		1										26
4-6	27		2:20										27
6-8	28		1										28
8-10	29		2:28										29
10-12	30		1										30
TOTAL													

RELINQUISHED BY: (Signature)

DATE/TIME

RECEIVED BY: (Signature)

TURN AROUND TIME

LABORATORY USE ONLY:

RECEIVING TEMP. 52 THERM #: 41

RELINQUISHED BY: (Signature)

DATE/TIME

RECEIVED BY: (Signature)

TURN AROUND TIME

LABORATORY USE ONLY:

RECEIVING TEMP. 52 THERM #: 41

RELINQUISHED BY: (Signature)

DATE/TIME

RECEIVED BY: (Signature)

TURN AROUND TIME

LABORATORY USE ONLY:

RECEIVING TEMP. 52 THERM #: 41

6/9/16 10:40

RECEIVED BY: (Signature)

TURN AROUND TIME

LABORATORY USE ONLY:

RECEIVING TEMP. 52 THERM #: 41

Arson & Associates, Inc.

Environmental Consultants

507 N. Marientfield, Ste. 200
Midland, TX 79701
432-687-0901

Data Reported to:

DATE: 6-9-16 PAGE 3 OF 4
PO #: _____ LAB WORK ORDER #: 6709009
PROJECT LOCATION OR NAME: ECG Cedar Lake
LAI PROJECT #: 16-0121-01 COLLECTOR: Trent Williams

CHAIN-OF-CUSTODY

Page 47 of 48

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION				ANALYSES		TURN AROUND TIME	LABORATORY USE ONLY:
						HCl	HNO ₃	H ₂ SO ₄ ☐ NaOH ☐	ICE	UNPRESERVED	FIELD NOTES		
DP-5 12-14	31	6-8-16	2:36	S	1								
1 14-15	32		1										
DP-6 0-2	33		2:46										
2-4	34		1										
1-6	35		2:56										
6-8	36		1										
8-10	37		3:08										
10-12	38		1										
DP-7 0-2	39		3:20										
2-4	40		1										
4-6	41		3:37										
6-8	42		1										
8-10	43		3:42										
10-12	44		1										
12-14	45		3:57										
TOTAL													
RELINQUISHED BY: (Signature)	10:10	6/9/16	DATE/TIME	RECEIVED BY: (Signature)									
RELINQUISHED BY: (Signature)			DATE/TIME	RECEIVED BY: (Signature)									
RELINQUISHED BY: (Signature)			DATE/TIME	RECEIVED BY: (Signature)									

Marson & Associates, Inc.
Environmental Consultants

507 N. Marientfield, Ste. 200
Midland, TX 79701
432-687-0901

Data Reported to:

DATE: 6-9-16 PAGE 4 OF 4
PO #: LAB WORK ORDER # 650700
PROJECT LOCATION OR NAME: BOG Cedar Lake
LAI PROJECT #: 16-0121-01 COLLECTOR: Trent Williams

CHAIN-OF-CUSTODY

Page 48 of 48

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION				ANALYSES		FIELD NOTES
						HCl	HNO ₃	H ₂ SO ₄ ☐ NaOH ☐	ICE			
DE-8 0-2	46	6-8-16	4:08	S	1							46
2-4	47		1									47
4-6	48		4:04									48
6-8	49		1									49
8-10	50		4:09									50
TOTAL												
RELINQUISHED BY: (Signature) DATE/TIME: <u>10/10/16</u> RECEIVED BY: (Signature)												
RELINQUISHED BY: (Signature) DATE/TIME: <u>10/10/16</u> RECEIVED BY: (Signature)												
RELINQUISHED BY: (Signature) DATE/TIME: <u>10/10/16</u> RECEIVED BY: (Signature)												
TURN AROUND TIME NORMAL ☒ 1 DAY ☐ 2 DAY ☐ OTHER ☐ LABORATORY USE ONLY: RECEIVING TEMP: <u>3.2</u> THERM #: <u>41</u> CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED ☐ CARRIER BILL # ☐ HAND DELIVERED												

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Coty Woolf
Larson & Associates, Inc.
P.O. Box 50685
Midland, TX 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Location: Cedar Lakes Ex2
Lab Order Number: 6H03003



NELAP/TCEQ # T104704156-13-3

Report Date: 08/05/16

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Coty Woolf

Fax: (432) 687-0456

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
HA-1-2	6H03003-01	Soil	07/22/16 11:30	08-03-2016 09:00
HA-2-2	6H03003-02	Soil	07/22/16 11:40	08-03-2016 09:00
HA-3	6H03003-03	Soil	07/22/16 11:35	08-03-2016 09:00
HA-4	6H03003-04	Soil	07/22/16 11:40	08-03-2016 09:00
HA-5	6H03003-05	Soil	07/22/16 11:43	08-03-2016 09:00
HA-6	6H03003-06	Soil	07/22/16 11:47	08-03-2016 09:00
HA-7	6H03003-07	Soil	07/22/16 11:50	08-03-2016 09:00
HA-8	6H03003-08	Soil	07/22/16 11:55	08-03-2016 09:00
HA-9	6H03003-09	Soil	07/22/16 12:01	08-03-2016 09:00
HA-10	6H03003-10	Soil	07/22/16 12:30	08-03-2016 09:00

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Coty Woolf

Fax: (432) 687-0456

HA-1-2
6H03003-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

C6-C12	4806.8	26.316	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TX 1005
>C12-C28	4875.4	26.316	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TX 1005
>C28-C35	559.76	26.316	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TX 1005
<i>Surrogate: 1-Chlorooctane</i>		100 %	70-130		P6H0504	08/04/16	08/04/16	TX 1005
<i>Surrogate: o-Terphenyl</i>		110 %	70-130		P6H0504	08/04/16	08/04/16	TX 1005
Total Hydrocarbon nC6-nC35	10242	26.316	mg/kg dry	1	[CALC]	08/04/16	08/04/16	[CALC]

General Chemistry Parameters by EPA / Standard Methods

% Moisture	5.0	0.1	%	1	P6H0411	08/04/16	08/04/16	% calculation
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Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Coty Woolf

Fax: (432) 687-0456

HA-2-2
6H03003-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

C6-C12	ND	26.316	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TX 1005	
>C12-C28	46.979	26.316	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TX 1005	
>C28-C35	ND	26.316	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TX 1005	
Surrogate: 1-Chlorooctane		84.6 %	70-130		P6H0504	08/04/16	08/04/16	TX 1005	
Surrogate: o-Terphenyl		89.4 %	70-130		P6H0504	08/04/16	08/04/16	TX 1005	
Total Hydrocarbon nC6-nC35	46.979	26.316	mg/kg dry	1	[CALC]	08/04/16	08/04/16	[CALC]	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	5.0	0.1	%	1	P6H0411	08/04/16	08/04/16	% calculation	
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Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Coty Woolf

Fax: (432) 687-0456

HA-3
6H03003-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

C6-C12	ND	26.316	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TX 1005	
>C12-C28	ND	26.316	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TX 1005	
>C28-C35	ND	26.316	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TX 1005	
Surrogate: 1-Chlorooctane		82.7 %	70-130		P6H0504	08/04/16	08/04/16	TX 1005	
Surrogate: o-Terphenyl		86.6 %	70-130		P6H0504	08/04/16	08/04/16	TX 1005	
Total Hydrocarbon nC6-nC35	ND	26.316	mg/kg dry	1	[CALC]	08/04/16	08/04/16	[CALC]	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	5.0	0.1	%	1	P6H0411	08/04/16	08/04/16	% calculation	
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Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Coty Woolf

Fax: (432) 687-0456

HA-4
6H03003-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

C6-C12	3011.1	26.316	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TX 1005
>C12-C28	2175.9	26.316	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TX 1005
>C28-C35	236.03	26.316	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TX 1005
Surrogate: 1-Chlorooctane		109 %	70-130		P6H0504	08/04/16	08/04/16	TX 1005
Surrogate: o-Terphenyl		90.7 %	70-130		P6H0504	08/04/16	08/04/16	TX 1005
Total Hydrocarbon nC6-nC35	5423.0	26.316	mg/kg dry	1	[CALC]	08/04/16	08/04/16	[CALC]

General Chemistry Parameters by EPA / Standard Methods

% Moisture	5.0	0.1	%	1	P6H0411	08/04/16	08/04/16	% calculation
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Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Coty Woolf

Fax: (432) 687-0456

HA-5
6H03003-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

C6-C12	5860.8	131.58	mg/kg dry	5	P6H0504	08/04/16	08/05/16	TX 1005	
>C12-C28	3950.7	131.58	mg/kg dry	5	P6H0504	08/04/16	08/05/16	TX 1005	
>C28-C35	572.16	131.58	mg/kg dry	5	P6H0504	08/04/16	08/05/16	TX 1005	
Surrogate: 1-Chlorooctane		99.1 %	70-130		P6H0504	08/04/16	08/05/16	TX 1005	
Surrogate: o-Terphenyl		99.8 %	70-130		P6H0504	08/04/16	08/05/16	TX 1005	
Total Hydrocarbon nC6-nC35	10384	131.58	mg/kg dry	5	[CALC]	08/04/16	08/05/16	[CALC]	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	5.0	0.1	%	1	P6H0411	08/04/16	08/04/16	% calculation	
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Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Coty Woolf

Fax: (432) 687-0456

HA-6
6H03003-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

C6-C12	ND	26.042	mg/kg dry	1	P6H0504	08/04/16	08/05/16	TX 1005
>C12-C28	39.875	26.042	mg/kg dry	1	P6H0504	08/04/16	08/05/16	TX 1005
>C28-C35	ND	26.042	mg/kg dry	1	P6H0504	08/04/16	08/05/16	TX 1005
Surrogate: 1-Chlorooctane		89.5 %	70-130		P6H0504	08/04/16	08/05/16	TX 1005
Surrogate: o-Terphenyl		94.2 %	70-130		P6H0504	08/04/16	08/05/16	TX 1005
Total Hydrocarbon nC6-nC35	39.875	26.042	mg/kg dry	1	[CALC]	08/04/16	08/05/16	[CALC]

General Chemistry Parameters by EPA / Standard Methods

% Moisture	4.0	0.1	%	1	P6H0411	08/04/16	08/04/16	% calculation
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Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Coty Woolf

Fax: (432) 687-0456

HA-7
6H03003-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

C6-C12	75.305	26.316	mg/kg dry	1	P6H0504	08/04/16	08/05/16	TX 1005
>C12-C28	75.768	26.316	mg/kg dry	1	P6H0504	08/04/16	08/05/16	TX 1005
>C28-C35	ND	26.316	mg/kg dry	1	P6H0504	08/04/16	08/05/16	TX 1005
<i>Surrogate: 1-Chlorooctane</i>		85.2 %	70-130		P6H0504	08/04/16	08/05/16	TX 1005
<i>Surrogate: o-Terphenyl</i>		90.0 %	70-130		P6H0504	08/04/16	08/05/16	TX 1005
Total Hydrocarbon nC6-nC35	151.07	26.316	mg/kg dry	1	[CALC]	08/04/16	08/05/16	[CALC]

General Chemistry Parameters by EPA / Standard Methods

% Moisture	5.0	0.1	%	1	P6H0411	08/04/16	08/04/16	% calculation
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Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Coty Woolf

Fax: (432) 687-0456

HA-8
6H03003-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

C6-C12	ND	26.596	mg/kg dry	1	P6H0504	08/04/16	08/05/16	TX 1005	
>C12-C28	ND	26.596	mg/kg dry	1	P6H0504	08/04/16	08/05/16	TX 1005	
>C28-C35	ND	26.596	mg/kg dry	1	P6H0504	08/04/16	08/05/16	TX 1005	
Surrogate: 1-Chlorooctane		84.0 %	70-130		P6H0504	08/04/16	08/05/16	TX 1005	
Surrogate: o-Terphenyl		89.8 %	70-130		P6H0504	08/04/16	08/05/16	TX 1005	
Total Hydrocarbon nC6-nC35	ND	26.596	mg/kg dry	1	[CALC]	08/04/16	08/05/16	[CALC]	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	6.0	0.1	%	1	P6H0411	08/04/16	08/04/16	% calculation	
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Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Coty Woolf

Fax: (432) 687-0456

HA-9
6H03003-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

C6-C12	ND	26.316	mg/kg dry	1	P6H0504	08/04/16	08/05/16	TX 1005	
>C12-C28	ND	26.316	mg/kg dry	1	P6H0504	08/04/16	08/05/16	TX 1005	
>C28-C35	ND	26.316	mg/kg dry	1	P6H0504	08/04/16	08/05/16	TX 1005	
Surrogate: 1-Chlorooctane		80.9 %	70-130		P6H0504	08/04/16	08/05/16	TX 1005	
Surrogate: o-Terphenyl		86.4 %	70-130		P6H0504	08/04/16	08/05/16	TX 1005	
Total Hydrocarbon nC6-nC35	ND	26.316	mg/kg dry	1	[CALC]	08/04/16	08/05/16	[CALC]	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	5.0	0.1	%	1	P6H0411	08/04/16	08/04/16	% calculation	
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Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Coty Woolf

Fax: (432) 687-0456

HA-10
6H03003-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

C6-C12	3006.2	26.042	mg/kg dry	1	P6H0503	08/04/16	08/04/16	TX 1005
>C12-C28	2291.5	26.042	mg/kg dry	1	P6H0503	08/04/16	08/04/16	TX 1005
>C28-C35	238.07	26.042	mg/kg dry	1	P6H0503	08/04/16	08/04/16	TX 1005
Surrogate: 1-Chlorooctane		104 %	70-130		P6H0503	08/04/16	08/04/16	TX 1005
Surrogate: o-Terphenyl		112 %	70-130		P6H0503	08/04/16	08/04/16	TX 1005
Total Hydrocarbon nC6-nC35	5535.9	26.042	mg/kg dry	1	[CALC]	08/04/16	08/04/16	[CALC]

General Chemistry Parameters by EPA / Standard Methods

% Moisture	4.0	0.1	%	1	P6H0411	08/04/16	08/04/16	% calculation
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Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Coty Woolf

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P6H0503 - TX 1005

Blank (P6H0503-BLK1)

Prepared & Analyzed: 08/04/16

C6-C12	ND	25.000	mg/kg wet							
>C12-C28	ND	25.000	"							
>C28-C35	ND	25.000	"							
Surrogate: 1-Chlorooctane	78.2		"	100		78.2	70-130			
Surrogate: o-Terphenyl	43.0		"	50.0		86.0	70-130			

LCS (P6H0503-BS1)

Prepared & Analyzed: 08/04/16

C6-C12	882	25.000	mg/kg wet	1000		88.2	75-125			
>C12-C28	838	25.000	"	1000		83.8	75-125			
Surrogate: 1-Chlorooctane	100		"	100		100	70-130			
Surrogate: o-Terphenyl	42.2		"	50.0		84.5	70-130			

LCS Dup (P6H0503-BS1)

Prepared & Analyzed: 08/04/16

C6-C12	940	25.000	mg/kg wet	1000		94.0	75-125	6.35	20	
>C12-C28	882	25.000	"	1000		88.2	75-125	5.21	20	
Surrogate: 1-Chlorooctane	94.2		"	100		94.2	70-130			
Surrogate: o-Terphenyl	36.8		"	50.0		73.7	70-130			

Matrix Spike (P6H0503-MS1)

Source: 6H03004-10

Prepared: 08/04/16 Analyzed: 08/05/16

C6-C12	999	27.473	mg/kg dry	1100	67.2	84.8	75-125			
>C12-C28	1290	27.473	"	1100	443	77.0	75-125			
Surrogate: 1-Chlorooctane	113		"	110		103	70-130			
Surrogate: o-Terphenyl	51.5		"	54.9		93.7	70-130			

Matrix Spike Dup (P6H0503-MSD1)

Source: 6H03004-10

Prepared: 08/04/16 Analyzed: 08/05/16

C6-C12	992	27.473	mg/kg dry	1100	67.2	84.1	75-125	0.787	20	
>C12-C28	1290	27.473	"	1100	443	77.2	75-125	0.209	20	
Surrogate: 1-Chlorooctane	113		"	110		103	70-130			
Surrogate: o-Terphenyl	51.3		"	54.9		93.3	70-130			

Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Coty Woolf

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P6H0504 - TX 1005**Blank (P6H0504-BLK1)**

Prepared & Analyzed: 08/04/16

C6-C12	ND	25.000	mg/kg wet							
>C12-C28	ND	25.000	"							
>C28-C35	ND	25.000	"							
Surrogate: 1-Chlorooctane	85.7		"	100		85.7	70-130			
Surrogate: o-Terphenyl	46.3		"	50.0		92.6	70-130			

LCS (P6H0504-BS1)

Prepared & Analyzed: 08/04/16

C6-C12	764	25.000	mg/kg wet	1000		76.4	75-125			
>C12-C28	851	25.000	"	1000		85.1	75-125			
Surrogate: 1-Chlorooctane	116		"	100		116	70-130			
Surrogate: o-Terphenyl	47.1		"	50.0		94.2	70-130			

LCS Dup (P6H0504-BSD1)

Prepared & Analyzed: 08/04/16

C6-C12	788	25.000	mg/kg wet	1000		78.8	75-125	3.17	20	
>C12-C28	859	25.000	"	1000		85.9	75-125	0.985	20	
Surrogate: 1-Chlorooctane	119		"	100		119	70-130			
Surrogate: o-Terphenyl	47.4		"	50.0		94.8	70-130			

Matrix Spike (P6H0504-MS1)

Source: 6H03002-09

Prepared: 08/04/16 Analyzed: 08/05/16

C6-C12	3760	31.646	mg/kg dry	1270	5720	NR	75-125			QM-05
>C12-C28	3560	31.646	"	1270	4050	NR	75-125			QM-05
Surrogate: 1-Chlorooctane	155		"	127		123	70-130			
Surrogate: o-Terphenyl	66.3		"	63.3		105	70-130			

Matrix Spike Dup (P6H0504-MSD1)

Source: 6H03002-09

Prepared: 08/04/16 Analyzed: 08/05/16

C6-C12	3640	31.646	mg/kg dry	1270	5720	NR	75-125	NR	20	QM-05
>C12-C28	3380	31.646	"	1270	4050	NR	75-125	NR	20	QM-05
Surrogate: 1-Chlorooctane	139		"	127		110	70-130			
Surrogate: o-Terphenyl	64.8		"	63.3		102	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Coty Woolf

Fax: (432) 687-0456

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6H0411 - *** DEFAULT PREP ***										
Blank (P6H0411-BLK1)	Prepared & Analyzed: 08/04/16									
% Moisture	ND	0.1	%							
Blank (P6H0411-BLK2)	Prepared & Analyzed: 08/04/16									
% Moisture	ND	0.1	%							
Duplicate (P6H0411-DUP1)	Source: 6H03006-08		Prepared & Analyzed: 08/04/16							
% Moisture	8.0	0.1	%		8.0			0.00	20	
Duplicate (P6H0411-DUP2)	Source: 6H03004-05		Prepared & Analyzed: 08/04/16							
% Moisture	13.0	0.1	%		13.0			0.00	20	
Duplicate (P6H0411-DUP3)	Source: 6H03008-07		Prepared & Analyzed: 08/04/16							
% Moisture	2.0	0.1	%		2.0			0.00	20	
Duplicate (P6H0411-DUP4)	Source: 6H03015-10		Prepared & Analyzed: 08/04/16							
% Moisture	9.0	0.1	%		9.0			0.00	20	
Duplicate (P6H0411-DUP5)	Source: 6H03015-21		Prepared & Analyzed: 08/04/16							
% Moisture	2.0	0.1	%		2.0			0.00	20	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Coty Woolf

Fax: (432) 687-0456

Notes and Definitions

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

8/5/2016

Brent Barron, Laboratory Director/Technical Director

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If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Arson & Associates, Inc.
Environmental Consultants

507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

Data Reported to:

DATE: 8/13/2016 PO #: LAB WORK ORDER #: 35 Ex 1
PROJECT LOCATION OR NAME: Cedar Lake COLLECTOR: Michael G...
LAI PROJECT #: 16-0121-01

CHAIN-OF-CUSTODY

PAGE 1 OF 1

Page 17 of 17

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION				UNPRESERVED	ANALYSES		FIELD NOTES
						HCl	HNO ₃	H ₂ SO ₄ ☐ NaOH ☐	ICE		BTEX ☐ MTBE ☐	TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐	
HA-1-2		7/22	11:30	S	1								-1
HA-2-2		7/22	11:40	S	1								-2
HA-3		7/25	11:35	S	1								-3
HA-4			11:40	S	1								-4
HA-5			11:43	S	1								-5
HA-6			11:47	S	1								-6
HA-7			11:50	S	1								-7
HA-8			11:55	S	1								-8
HA-9			12:01	S	1								-9
HA-10			12:30	S	1								-10
TOTAL													

11.0 NCF C1

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Michael Gant
Larson & Associates, Inc.
P.O. Box 50685
Midland, TX 79710

Project: Cedar Lakes 35
Project Number: 16-0121-01
Location: EOG Cedar Lakes 35
Lab Order Number: 6H08001



NELAP/TCEQ # T104704156-13-3

Report Date: 08/09/16

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35
Project Number: 16-0121-01
Project Manager: Michael Gant

Fax: (432) 687-0456

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
HA-11-1	6H08001-01	Soil	08/05/16 11:20	08-08-2016 09:15

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35
Project Number: 16-0121-01
Project Manager: Michael Gant

Fax: (432) 687-0456

HA-11-1
6H08001-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	0.766	0.106	mg/kg dry	100	P6H0909	08/09/16	08/09/16	EPA 8021B
Toluene	12.9	0.213	mg/kg dry	100	P6H0909	08/09/16	08/09/16	EPA 8021B
Ethylbenzene	3.73	0.106	mg/kg dry	100	P6H0909	08/09/16	08/09/16	EPA 8021B
Xylene (p/m)	38.6	0.213	mg/kg dry	100	P6H0909	08/09/16	08/09/16	EPA 8021B
Xylene (o)	8.85	0.106	mg/kg dry	100	P6H0909	08/09/16	08/09/16	EPA 8021B
<i>Surrogate: 4-Bromofluorobenzene</i>		125 %	75-125		P6H0909	08/09/16	08/09/16	EPA 8021B
<i>Surrogate: 1,4-Difluorobenzene</i>		112 %	75-125		P6H0909	08/09/16	08/09/16	EPA 8021B

General Chemistry Parameters by EPA / Standard Methods

% Moisture	6.0	0.1	%	1	P6H0816	08/08/16	08/08/16	% calculation
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	1350	26.6	mg/kg dry	1	P6H0907	08/09/16	08/09/16	TPH 8015M
>C12-C28	977	26.6	mg/kg dry	1	P6H0907	08/09/16	08/09/16	TPH 8015M
>C28-C35	133	26.6	mg/kg dry	1	P6H0907	08/09/16	08/09/16	TPH 8015M
<i>Surrogate: 1-Chlorooctane</i>		108 %	70-130		P6H0907	08/09/16	08/09/16	TPH 8015M
<i>Surrogate: o-Terphenyl</i>		118 %	70-130		P6H0907	08/09/16	08/09/16	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	2460	26.6	mg/kg dry	1	[CALC]	08/09/16	08/09/16	calc

Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35
Project Number: 16-0121-01
Project Manager: Michael Gant

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P6H0909 - General Preparation (GC)

Blank (P6H0909-BLK1)

Prepared & Analyzed: 08/09/16

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00200	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.0860		"	0.0600		143	75-125			S-GC
Surrogate: 1,4-Difluorobenzene	0.0643		"	0.0600		107	75-125			

LCS (P6H0909-BS1)

Prepared & Analyzed: 08/09/16

Benzene	0.104	0.00100	mg/kg wet	0.110		94.7	70-130			
Toluene	0.113	0.00200	"	0.110		103	70-130			
Ethylbenzene	0.122	0.00100	"	0.110		110	70-130			
Xylene (p/m)	0.244	0.00200	"	0.220		111	70-130			
Xylene (o)	0.125	0.00100	"	0.110		114	70-130			
Surrogate: 1,4-Difluorobenzene	0.0694		"	0.0600		116	75-125			
Surrogate: 4-Bromofluorobenzene	0.0866		"	0.0600		144	75-125			S-GC

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.	Project: Cedar Lakes 35	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 16-0121-01	
Midland TX, 79710	Project Manager: Michael Gant	

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P6H0816 - *** DEFAULT PREP ***

Blank (P6H0816-BLK1)	Prepared & Analyzed: 08/08/16									
% Moisture	ND	0.1	%							
Duplicate (P6H0816-DUP1)	Source: 6H08001-01 Prepared & Analyzed: 08/08/16									
% Moisture	6.0	0.1	%		6.0			0.00	20	

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35
Project Number: 16-0121-01
Project Manager: Michael Gant

Fax: (432) 687-0456

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P6H0907 - TX 1005

Blank (P6H0907-BLK1)

Prepared & Analyzed: 08/09/16

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	85.1		"	100		85.1	70-130			
Surrogate: o-Terphenyl	48.4		"	50.0		96.9	70-130			

LCS (P6H0907-BS1)

Prepared & Analyzed: 08/09/16

C6-C12	811	25.0	mg/kg wet	1000		81.1	75-125			
>C12-C28	878	25.0	"	1000		87.8	75-125			
Surrogate: 1-Chlorooctane	106		"	100		106	70-130			
Surrogate: o-Terphenyl	47.6		"	50.0		95.3	70-130			

LCS Dup (P6H0907-BSD1)

Prepared & Analyzed: 08/09/16

C6-C12	866	25.0	mg/kg wet	1000		86.6	75-125	6.47	20	
>C12-C28	813	25.0	"	1000		81.3	75-125	7.65	20	
Surrogate: 1-Chlorooctane	113		"	100		113	70-130			
Surrogate: o-Terphenyl	51.0		"	50.0		102	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35
Project Number: 16-0121-01
Project Manager: Michael Gant

Fax: (432) 687-0456

Notes and Definitions

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

8/9/2016

Brent Barron, Laboratory Director/Technical Director

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Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

507 N. Marientfeld, Ste. 200
Midland, TX 79701
432-687-0901

DATE: 8/8/2016 PAGE 1 OF 1
PO #: _____ LAB WORK ORDER #:
PROJECT LOCATION OR NAME: EOG Cedar Lakes 35
LAI PROJECT #: 6-0121-01 COLLECTOR: Michael G

Page 8 of 8

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**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Mark Larson
Larson & Associates, Inc.
P.O. Box 50685
Midland, TX 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Location: Cedar Lakes 35 EX2
Lab Order Number: 6H03002



NELAP/TCEQ # T104704156-13-3

Report Date: 08/18/16

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
HA-1	6H03002-01	Soil	07/29/16 11:05	08-03-2016 09:00
HA-2	6H03002-02	Soil	07/29/16 11:15	08-03-2016 09:00
HA-3	6H03002-03	Soil	07/29/16 11:20	08-03-2016 09:00
HA-4	6H03002-04	Soil	07/29/16 11:26	08-03-2016 09:00
HA-5	6H03002-05	Soil	07/29/16 11:35	08-03-2016 09:00
HA-6	6H03002-06	Soil	07/29/16 11:42	08-03-2016 09:00
HA-7	6H03002-07	Soil	07/29/16 11:50	08-03-2016 09:00
HA-8	6H03002-08	Soil	08/02/16 11:50	08-03-2016 09:00
HA-9	6H03002-09	Soil	08/02/16 11:45	08-03-2016 09:00
HA-10	6H03002-10	Soil	08/02/16 11:35	08-03-2016 09:00
HA-11	6H03002-11	Soil	08/02/16 11:25	08-03-2016 09:00

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

HA-1
6H03002-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.0213	mg/kg dry	20	P6H0909	08/09/16	08/10/16	EPA 8021B
Toluene	1.65	0.0426	mg/kg dry	20	P6H0909	08/09/16	08/10/16	EPA 8021B
Ethylbenzene	2.20	0.0213	mg/kg dry	20	P6H0909	08/09/16	08/10/16	EPA 8021B
Xylene (p/m)	34.0	0.0426	mg/kg dry	20	P6H0909	08/09/16	08/10/16	EPA 8021B
Xylene (o)	8.74	0.0213	mg/kg dry	20	P6H0909	08/09/16	08/10/16	EPA 8021B
Surrogate: 4-Bromofluorobenzene		113 %	75-125		P6H0909	08/09/16	08/10/16	EPA 8021B
Surrogate: 1,4-Difluorobenzene		89.6 %	75-125		P6H0909	08/09/16	08/10/16	EPA 8021B

General Chemistry Parameters by EPA / Standard Methods

% Moisture	6.0	0.1	%	1	P6H0411	08/04/16	08/04/16	% calculation
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	827	26.6	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TPH 8015M
>C12-C28	908	26.6	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TPH 8015M
>C28-C35	123	26.6	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TPH 8015M
Surrogate: 1-Chlorooctane		91.5 %	70-130		P6H0504	08/04/16	08/04/16	TPH 8015M
Surrogate: o-Terphenyl		88.1 %	70-130		P6H0504	08/04/16	08/04/16	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	1860	26.6	mg/kg dry	1	[CALC]	08/04/16	08/04/16	calc

Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

HA-2
6H03002-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

% Moisture	7.0	0.1	%	1	P6H0411	08/04/16	08/04/16	% calculation
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.9	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TPH 8015M
>C12-C28	ND	26.9	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TPH 8015M
>C28-C35	ND	26.9	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TPH 8015M
Surrogate: 1-Chlorooctane		70.0 %	70-130		P6H0504	08/04/16	08/04/16	TPH 8015M
Surrogate: o-Terphenyl		73.3 %	70-130		P6H0504	08/04/16	08/04/16	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	08/04/16	08/04/16	calc

Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

HA-3
6H03002-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

% Moisture	6.0	0.1	%	1	P6H0411	08/04/16	08/04/16	% calculation
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	2830	26.6	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TPH 8015M
>C12-C28	2750	26.6	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TPH 8015M
>C28-C35	364	26.6	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TPH 8015M
<i>Surrogate: 1-Chlorooctane</i>		119 %	70-130		P6H0504	08/04/16	08/04/16	TPH 8015M
<i>Surrogate: o-Terphenyl</i>		80.7 %	70-130		P6H0504	08/04/16	08/04/16	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	5940	26.6	mg/kg dry	1	[CALC]	08/04/16	08/04/16	calc

Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

HA-4
6H03002-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

% Moisture	8.0	0.1	%	1	P6H0411	08/04/16	08/04/16	% calculation
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	5320	27.2	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TPH 8015M
>C12-C28	5160	27.2	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TPH 8015M
>C28-C35	652	27.2	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TPH 8015M
<i>Surrogate: 1-Chlorooctane</i>		111 %	70-130		P6H0504	08/04/16	08/04/16	TPH 8015M
<i>Surrogate: o-Terphenyl</i>		95.6 %	70-130		P6H0504	08/04/16	08/04/16	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	11100	27.2	mg/kg dry	1	[CALC]	08/04/16	08/04/16	calc

Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

HA-5
6H03002-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

% Moisture	9.0	0.1	%	1	P6H0411	08/04/16	08/04/16	% calculation
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	7840	137	mg/kg dry	5	P6H0504	08/04/16	08/05/16	TPH 8015M
>C12-C28	7280	137	mg/kg dry	5	P6H0504	08/04/16	08/05/16	TPH 8015M
>C28-C35	1030	137	mg/kg dry	5	P6H0504	08/04/16	08/05/16	TPH 8015M
<i>Surrogate: 1-Chlorooctane</i>		102 %	70-130		P6H0504	08/04/16	08/05/16	TPH 8015M
<i>Surrogate: o-Terphenyl</i>		113 %	70-130		P6H0504	08/04/16	08/05/16	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	16200	137	mg/kg dry	5	[CALC]	08/04/16	08/05/16	calc

Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

HA-6
6H03002-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

% Moisture	8.0	0.1	%	1	P6H0411	08/04/16	08/04/16	% calculation
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	3560	27.2	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TPH 8015M
>C12-C28	3280	27.2	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TPH 8015M
>C28-C35	473	27.2	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TPH 8015M
<i>Surrogate: 1-Chlorooctane</i>		101 %	70-130		P6H0504	08/04/16	08/04/16	TPH 8015M
<i>Surrogate: o-Terphenyl</i>		86.6 %	70-130		P6H0504	08/04/16	08/04/16	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	7310	27.2	mg/kg dry	1	[CALC]	08/04/16	08/04/16	calc

Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

HA-7
6H03002-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.0213	mg/kg dry	20	P6H0909	08/09/16	08/10/16	EPA 8021B	
Toluene	2.63	0.0426	mg/kg dry	20	P6H0909	08/09/16	08/10/16	EPA 8021B	
Ethylbenzene	3.81	0.0213	mg/kg dry	20	P6H0909	08/09/16	08/10/16	EPA 8021B	
Xylene (p/m)	26.5	0.0426	mg/kg dry	20	P6H0909	08/09/16	08/10/16	EPA 8021B	
Xylene (o)	7.39	0.0213	mg/kg dry	20	P6H0909	08/09/16	08/10/16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		113 %	75-125		P6H0909	08/09/16	08/10/16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		78.6 %	75-125		P6H0909	08/09/16	08/10/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	6.0	0.1	%	1	P6H0411	08/04/16	08/04/16	% calculation	
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	1060	26.6	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TPH 8015M	
>C12-C28	1150	26.6	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TPH 8015M	
>C28-C35	169	26.6	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TPH 8015M	
Surrogate: 1-Chlorooctane		91.7 %	70-130		P6H0504	08/04/16	08/04/16	TPH 8015M	
Surrogate: o-Terphenyl		86.3 %	70-130		P6H0504	08/04/16	08/04/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	2370	26.6	mg/kg dry	1	[CALC]	08/04/16	08/04/16	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

HA-8
6H03002-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	1.32	0.0538	mg/kg dry	50	P6H0904	08/06/16	08/08/16	EPA 8021B	
Toluene	24.1	0.108	mg/kg dry	50	P6H0904	08/06/16	08/08/16	EPA 8021B	
Ethylbenzene	11.6	0.0538	mg/kg dry	50	P6H0904	08/06/16	08/08/16	EPA 8021B	
Xylene (p/m)	71.3	0.108	mg/kg dry	50	P6H0904	08/06/16	08/08/16	EPA 8021B	
Xylene (o)	16.7	0.0538	mg/kg dry	50	P6H0904	08/06/16	08/08/16	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		76.3 %		75-125	P6H0904	08/06/16	08/08/16	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		92.5 %		75-125	P6H0904	08/06/16	08/08/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	7.0	0.1	%	1	P6H0411	08/04/16	08/04/16	% calculation	
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	2200	26.9	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TPH 8015M	
>C12-C28	2040	26.9	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TPH 8015M	
>C28-C35	256	26.9	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		99.1 %		70-130	P6H0504	08/04/16	08/04/16	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		81.9 %		70-130	P6H0504	08/04/16	08/04/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	4490	26.9	mg/kg dry	1	[CALC]	08/04/16	08/04/16	calc	

Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

HA-9
6H03002-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	2.03	0.0633	mg/kg dry	50	P6H0904	08/06/16	08/08/16	EPA 8021B	
Toluene	25.0	0.127	mg/kg dry	50	P6H0904	08/06/16	08/08/16	EPA 8021B	
Ethylbenzene	9.11	0.0633	mg/kg dry	50	P6H0904	08/06/16	08/08/16	EPA 8021B	
Xylene (p/m)	59.0	0.127	mg/kg dry	50	P6H0904	08/06/16	08/08/16	EPA 8021B	
Xylene (o)	18.9	0.0633	mg/kg dry	50	P6H0904	08/06/16	08/08/16	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		99.3 %		75-125	P6H0904	08/06/16	08/08/16	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		92.1 %		75-125	P6H0904	08/06/16	08/08/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	21.0	0.1	%	1	P6H0411	08/04/16	08/04/16	% calculation	
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	5720	31.6	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TPH 8015M	
>C12-C28	4050	31.6	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TPH 8015M	
>C28-C35	462	31.6	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		92.8 %		70-130	P6H0504	08/04/16	08/04/16	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		97.0 %		70-130	P6H0504	08/04/16	08/04/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	10200	31.6	mg/kg dry	1	[CALC]	08/04/16	08/04/16	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

HA-10
6H03002-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.0217	mg/kg dry	20	P6H0909	08/09/16	08/10/16	EPA 8021B	
Toluene	6.40	0.0435	mg/kg dry	20	P6H0909	08/09/16	08/10/16	EPA 8021B	
Ethylbenzene	6.57	0.0217	mg/kg dry	20	P6H0909	08/09/16	08/10/16	EPA 8021B	
Xylene (p/m)	41.7	0.0435	mg/kg dry	20	P6H0909	08/09/16	08/10/16	EPA 8021B	
Xylene (o)	14.6	0.0217	mg/kg dry	20	P6H0909	08/09/16	08/10/16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.6 %	75-125		P6H0909	08/09/16	08/10/16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		118 %	75-125		P6H0909	08/09/16	08/10/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	8.0	0.1	%	1	P6H0411	08/04/16	08/04/16	% calculation	
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	1890	27.2	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TPH 8015M	
>C12-C28	2500	27.2	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TPH 8015M	
>C28-C35	289	27.2	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TPH 8015M	
Surrogate: 1-Chlorooctane		89.2 %	70-130		P6H0504	08/04/16	08/04/16	TPH 8015M	
Surrogate: o-Terphenyl		94.8 %	70-130		P6H0504	08/04/16	08/04/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	4680	27.2	mg/kg dry	1	[CALC]	08/04/16	08/04/16	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

HA-11
6H03002-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.0211	mg/kg dry	20	P6H0909	08/09/16	08/11/16	EPA 8021B	
Toluene	8.26	0.0421	mg/kg dry	20	P6H0909	08/09/16	08/11/16	EPA 8021B	
Ethylbenzene	4.35	0.0211	mg/kg dry	20	P6H0909	08/09/16	08/11/16	EPA 8021B	
Xylene (p/m)	34.7	0.0421	mg/kg dry	20	P6H0909	08/09/16	08/11/16	EPA 8021B	
Xylene (o)	8.21	0.0211	mg/kg dry	20	P6H0909	08/09/16	08/11/16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		63.8 %		75-125	P6H0909	08/09/16	08/11/16	EPA 8021B	S-GC
Surrogate: 4-Bromofluorobenzene		111 %		75-125	P6H0909	08/09/16	08/11/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	5.0	0.1	%	1	P6H0411	08/04/16	08/04/16	% calculation	
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	2100	26.3	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TPH 8015M	
>C12-C28	2120	26.3	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TPH 8015M	
>C28-C35	220	26.3	mg/kg dry	1	P6H0504	08/04/16	08/04/16	TPH 8015M	
Surrogate: 1-Chlorooctane		116 %		70-130	P6H0504	08/04/16	08/04/16	TPH 8015M	
Surrogate: o-Terphenyl		94.1 %		70-130	P6H0504	08/04/16	08/04/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	4440	26.3	mg/kg dry	1	[CALC]	08/04/16	08/04/16	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P6H0904 - General Preparation (GC)

Blank (P6H0904-BLK1)

Prepared: 08/06/16 Analyzed: 08/08/16

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00200	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.0557		"	0.0600		92.9	75-125			
Surrogate: 4-Bromofluorobenzene	0.0641		"	0.0600		107	75-125			

LCS (P6H0904-BS1)

Prepared: 08/06/16 Analyzed: 08/08/16

Benzene	0.100	0.00100	mg/kg wet	0.100		100	70-130			
Toluene	0.0922	0.00200	"	0.100		92.2	70-130			
Ethylbenzene	0.104	0.00100	"	0.100		104	70-130			
Xylene (p/m)	0.194	0.00200	"	0.200		96.8	70-130			
Xylene (o)	0.105	0.00100	"	0.100		105	70-130			
Surrogate: 1,4-Difluorobenzene	0.0628		"	0.0600		105	75-125			
Surrogate: 4-Bromofluorobenzene	0.0681		"	0.0600		113	75-125			

LCS Dup (P6H0904-BSD1)

Prepared: 08/06/16 Analyzed: 08/08/16

Benzene	0.118	0.00100	mg/kg wet	0.100		118	70-130	16.0	20	
Toluene	0.105	0.00200	"	0.100		105	70-130	13.3	20	
Ethylbenzene	0.121	0.00100	"	0.100		121	70-130	15.4	20	
Xylene (p/m)	0.221	0.00200	"	0.200		110	70-130	13.1	20	
Xylene (o)	0.124	0.00100	"	0.100		124	70-130	16.8	20	
Surrogate: 4-Bromofluorobenzene	0.0671		"	0.0600		112	75-125			
Surrogate: 1,4-Difluorobenzene	0.0652		"	0.0600		109	75-125			

Matrix Spike (P6H0904-MS1)

Source: 6H03008-13

Prepared: 08/06/16 Analyzed: 08/08/16

Benzene	0.0482	0.00100	mg/kg dry	0.100	0.000820	47.4	80-120			QM-07
Toluene	0.0335	0.00200	"	0.100	0.000740	32.8	80-120			QM-07
Ethylbenzene	0.0327	0.00100	"	0.100	ND	32.7	80-120			QM-07
Xylene (p/m)	0.0609	0.00200	"	0.200	ND	30.4	80-120			QM-07
Xylene (o)	0.0286	0.00100	"	0.100	0.000920	27.7	80-120			QM-07
Surrogate: 1,4-Difluorobenzene	0.0764		"	0.0600		127	75-125			S-GC1
Surrogate: 4-Bromofluorobenzene	0.0886		"	0.0600		148	75-125			S-GC1

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P6H0904 - General Preparation (GC)

Matrix Spike Dup (P6H0904-MSD1)		Source: 6H03008-13		Prepared: 08/06/16		Analyzed: 08/09/16				
Benzene	0.0303	0.00100	mg/kg dry	0.100	0.000820	29.4	80-120	46.8	20	QM-07
Toluene	0.0131	0.00200	"	0.100	0.000740	12.4	80-120	90.5	20	QM-07
Ethylbenzene	0.0226	0.00100	"	0.100	ND	22.6	80-120	36.6	20	QM-07
Xylene (p/m)	0.0382	0.00200	"	0.200	ND	19.1	80-120	45.8	20	QM-07
Xylene (o)	0.0214	0.00100	"	0.100	0.000920	20.4	80-120	30.2	20	QM-07
Surrogate: 4-Bromofluorobenzene	0.0804		"	0.0600		134	75-125			S-GC
Surrogate: 1,4-Difluorobenzene	0.0660		"	0.0600		110	75-125			

Batch P6H0909 - General Preparation (GC)

Blank (P6H0909-BLK1)				Prepared & Analyzed: 08/09/16						
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00200	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.0860		"	0.0600		143	75-125			S-GC
Surrogate: 1,4-Difluorobenzene	0.0643		"	0.0600		107	75-125			

LCS (P6H0909-BS1)				Prepared & Analyzed: 08/09/16						
Benzene	0.104	0.00100	mg/kg wet	0.110		94.7	70-130			
Toluene	0.113	0.00200	"	0.110		103	70-130			
Ethylbenzene	0.122	0.00100	"	0.110		110	70-130			
Xylene (p/m)	0.244	0.00200	"	0.220		111	70-130			
Xylene (o)	0.125	0.00100	"	0.110		114	70-130			
Surrogate: 1,4-Difluorobenzene	0.0694		"	0.0600		116	75-125			
Surrogate: 4-Bromofluorobenzene	0.0866		"	0.0600		144	75-125			S-GC

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P6H0909 - General Preparation (GC)

LCS Dup (P6H0909-BSD1)

Prepared: 08/09/16 Analyzed: 08/10/16

Benzene	0.110	0.00100	mg/kg wet	0.110		100	70-130	5.42	20	
Toluene	0.111	0.00200	"	0.110		101	70-130	1.95	20	
Ethylbenzene	0.130	0.00100	"	0.110		118	70-130	6.57	20	
Xylene (p/m)	0.264	0.00200	"	0.220		120	70-130	7.85	20	
Xylene (o)	0.147	0.00100	"	0.110		133	70-130	15.8	20	
Surrogate: 4-Bromofluorobenzene	0.106		"	0.0600		176	75-125			S-GC
Surrogate: 1,4-Difluorobenzene	0.0600		"	0.0600		100	75-125			

Duplicate (P6H0909-DUP1)

Source: 6H08001-01

Prepared & Analyzed: 08/09/16

Benzene	0.527	0.106	mg/kg dry		0.766			37.0	20	R3
Toluene	8.32	0.213	"		12.9			43.2	20	R3
Ethylbenzene	2.48	0.106	"		3.73			40.3	20	R3
Xylene (p/m)	24.2	0.213	"		38.6			45.7	20	R3
Xylene (o)	5.47	0.106	"		8.85			47.3	20	R3
Surrogate: 1,4-Difluorobenzene	0.0496		"	0.0638		77.8	75-125			
Surrogate: 4-Bromofluorobenzene	0.0538		"	0.0638		84.3	75-125			

Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6H0411 - *** DEFAULT PREP ***										
Blank (P6H0411-BLK1)	Prepared & Analyzed: 08/04/16									
% Moisture	ND	0.1	%							
Blank (P6H0411-BLK2)	Prepared & Analyzed: 08/04/16									
% Moisture	ND	0.1	%							
Duplicate (P6H0411-DUP1)	Source: 6H03006-08		Prepared & Analyzed: 08/04/16							
% Moisture	8.0	0.1	%		8.0			0.00	20	
Duplicate (P6H0411-DUP2)	Source: 6H03004-05		Prepared & Analyzed: 08/04/16							
% Moisture	13.0	0.1	%		13.0			0.00	20	
Duplicate (P6H0411-DUP3)	Source: 6H03008-07		Prepared & Analyzed: 08/04/16							
% Moisture	2.0	0.1	%		2.0			0.00	20	
Duplicate (P6H0411-DUP4)	Source: 6H03015-10		Prepared & Analyzed: 08/04/16							
% Moisture	9.0	0.1	%		9.0			0.00	20	
Duplicate (P6H0411-DUP5)	Source: 6H03015-21		Prepared & Analyzed: 08/04/16							
% Moisture	2.0	0.1	%		2.0			0.00	20	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P6H0504 - TX 1005

Matrix Spike (P6H0504-MS1)	Source: 6H03002-09			Prepared: 08/04/16		Analyzed: 08/05/16				
C6-C12	3760	31.6	mg/kg dry	1270	5720	NR	75-125			
>C12-C28	3560	31.6	"	1270	4050	NR	75-125			
Surrogate: 1-Chlorooctane	155		"	127		123	70-130			
Surrogate: o-Terphenyl	66.3		"	63.3		105	70-130			
Matrix Spike Dup (P6H0504-MSD1)	Source: 6H03002-09			Prepared: 08/04/16		Analyzed: 08/05/16				
C6-C12	3640	31.6	mg/kg dry	1270	5720	NR	75-125	NR	20	
>C12-C28	3380	31.6	"	1270	4050	NR	75-125	NR	20	
Surrogate: 1-Chlorooctane	139		"	127		110	70-130			
Surrogate: o-Terphenyl	64.8		"	63.3		102	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

Notes and Definitions

S-GC1 Surrogate recovery outside of control limits. A second analysis confirmed the original results..

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

R3 The RPD exceeded the acceptance limit due to sample matrix effects.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

8/18/2016

Brent Barron, Laboratory Director/Technical Director

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If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.

Project: Cedar Lakes 35 Ex 2

Fax: (432) 687-0456

P.O. Box 50685

Project Number: 16-0121-01

Midland TX, 79710

Project Manager: Mark Larson

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

6A 03002

CHAIN-OF-CUSTODY

Arson & Associates, Inc.
Environmental Consultants

507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

Data Reported to:

DATE: 8/3/2016 PAGE 1 OF 1
PO #: _____ LAB WORK ORDER #: _____
PROJECT LOCATION OR NAME: CedarLakes35 Ex 2
LAI PROJECT #: 16-0121-01 COLLECTOR: Michael Carter

TRRP report?
☐ Yes ☐ No

S=SOIL
W=WATER
A=AIR
P=PAINT
SL=SLUDGE
OT=OTHER

TIME ZONE:
Time zone/State:

Field
Sample I.D.

Lab #

Date

Time

Matrix

of Containers

HCl

HNO₃H₂SO₄ ☐ NaOH ☐

ICE

UNPRESERVED

ANALYSES
BTEX ☐ MTBE ☐
TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐
GASOLINE MOD 8015 ☐
DIESEL - MOD 8015 ☐
VOC 8200 ☐
SVOC 8270 ☐ PAH 8270 ☐ HCLPAH ☐
8081 PESTICIDES ☐ 8151 HERBICIDES ☐
TCPP - METALS (RCRA) ☐ TCPP VOC ☐
TOTAL METALS (RCRA) ☐ Semi-VOC ☐
LEAD - TOTAL ☐ D.W. 200.8 ☐ TCPP ☐
RCI ☐ TOX ☐ FLASHPOINT ☐
TDS ☐ TSS ☐ % MOISTURE ☐
PH ☐ HEXAVALENT CHROMIUM ☐
EXPLOSIVES ☐ PECTHLORATE ☐
CHLORIDE ANIONS ☐ ALKALINITY ☐

FIELD NOTES

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO ₃	H ₂ SO ₄ ☐ NaOH ☐	ICE	UNPRESERVED	ANALYSES	FIELD NOTES
HA-1		7/29	11:05	S	1				X		X	-1
HA-2			11:15	S	1				X		X	-2
HA-3			11:20	S	1				X		X	-3
HA-4			11:26	S	1				X		X	-4
HA-5			11:35	S	1				X		X	-5
HA-6			11:42	S	1				X		X	-6
HA-7			11:50	S	1				X		X	-7
HA-8		8/2	11:50	S	1				X		X	-8
HA-9			11:45	S	1				X		X	-9
HA-10			11:35	S	1				X		X	-10
HA-11			11:25	S	1				X		X	-11
TOTAL												

REINQUISHED BY: (Signature)

DATE/TIME

RECEIVED BY: (Signature)

TURN AROUND TIME

LABORATORY USE ONLY:

REINQUISHED BY: (Signature)

DATE/TIME

RECEIVED BY: (Signature)

NORMAL ☐

RECEIVING TEMP: _____

THERM #: _____

REINQUISHED BY: (Signature)

DATE/TIME

RECEIVED BY: (Signature)

1 DAY ☐CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED

REINQUISHED BY: (Signature)

DATE/TIME

RECEIVED BY: (Signature)

2 DAY ☐

CARRIER BILL # _____

HAND DELIVERED ☐

16 NCF 61

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Mark Larson
Larson & Associates, Inc.
P.O. Box 50685
Midland, TX 79710

Project: Cedar Lakes 35 Ex 1

Project Number: 16-0121-01

Location: New Mexico

Lab Order Number: 6H16010



NELAP/TCEQ # T104704156-13-3

Report Date: 08/18/16

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 1
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-1-2	6H16010-01	Soil	08/10/16 12:08	08-16-2016 09:41
SS-4-2	6H16010-02	Soil	08/10/16 12:11	08-16-2016 09:41
SS-5-2	6H16010-03	Soil	08/10/16 12:15	08-16-2016 09:41
SS-10-4	6H16010-04	Soil	08/10/16 12:20	08-16-2016 09:41

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 1
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

SS-1-2
6H16010-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00104	mg/kg dry	1	P6H1802	08/16/16	08/16/16	EPA 8021B	
Toluene	ND	0.00208	mg/kg dry	1	P6H1802	08/16/16	08/16/16	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P6H1802	08/16/16	08/16/16	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P6H1802	08/16/16	08/16/16	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P6H1802	08/16/16	08/16/16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		94.1 %	75-125		P6H1802	08/16/16	08/16/16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		106 %	75-125		P6H1802	08/16/16	08/16/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	4.0	0.1	%	1	P6H1701	08/17/16	08/17/16	% calculation	
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P6H1704	08/16/16	08/16/16	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P6H1704	08/16/16	08/16/16	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P6H1704	08/16/16	08/16/16	TPH 8015M	
Surrogate: 1-Chlorooctane		108 %	70-130		P6H1704	08/16/16	08/16/16	TPH 8015M	
Surrogate: o-Terphenyl		124 %	70-130		P6H1704	08/16/16	08/16/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	08/16/16	08/16/16	calc	

Permian Basin Environmental Lab, L.P.

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P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 1
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

SS-4-2
6H16010-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.0211	mg/kg dry	20	P6H1802	08/16/16	08/17/16	EPA 8021B	
Toluene	ND	0.0421	mg/kg dry	20	P6H1802	08/16/16	08/17/16	EPA 8021B	
Ethylbenzene	ND	0.0211	mg/kg dry	20	P6H1802	08/16/16	08/17/16	EPA 8021B	
Xylene (p/m)	ND	0.0421	mg/kg dry	20	P6H1802	08/16/16	08/17/16	EPA 8021B	
Xylene (o)	ND	0.0211	mg/kg dry	20	P6H1802	08/16/16	08/17/16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		119 %	75-125		P6H1802	08/16/16	08/17/16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	75-125		P6H1802	08/16/16	08/17/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	5.0	0.1	%	1	P6H1701	08/17/16	08/17/16	% calculation	
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P6H1704	08/16/16	08/16/16	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P6H1704	08/16/16	08/16/16	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P6H1704	08/16/16	08/16/16	TPH 8015M	
Surrogate: 1-Chlorooctane		95.4 %	70-130		P6H1704	08/16/16	08/16/16	TPH 8015M	
Surrogate: o-Terphenyl		108 %	70-130		P6H1704	08/16/16	08/16/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	08/16/16	08/16/16	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 1
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

SS-5-2
6H16010-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00104	mg/kg dry	1	P6H1802	08/16/16	08/16/16	EPA 8021B	
Toluene	ND	0.00208	mg/kg dry	1	P6H1802	08/16/16	08/16/16	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P6H1802	08/16/16	08/16/16	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P6H1802	08/16/16	08/16/16	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P6H1802	08/16/16	08/16/16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		88.9 %	75-125		P6H1802	08/16/16	08/16/16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		114 %	75-125		P6H1802	08/16/16	08/16/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	4.0	0.1	%	1	P6H1701	08/17/16	08/17/16	% calculation	
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P6H1704	08/16/16	08/16/16	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P6H1704	08/16/16	08/16/16	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P6H1704	08/16/16	08/16/16	TPH 8015M	
Surrogate: 1-Chlorooctane		94.6 %	70-130		P6H1704	08/16/16	08/16/16	TPH 8015M	
Surrogate: o-Terphenyl		111 %	70-130		P6H1704	08/16/16	08/16/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	08/16/16	08/16/16	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 1
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

SS-10-4
6H16010-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.0217	mg/kg dry	20	P6H1802	08/16/16	08/17/16	EPA 8021B	
Toluene	ND	0.0435	mg/kg dry	20	P6H1802	08/16/16	08/17/16	EPA 8021B	
Ethylbenzene	ND	0.0217	mg/kg dry	20	P6H1802	08/16/16	08/17/16	EPA 8021B	
Xylene (p/m)	ND	0.0435	mg/kg dry	20	P6H1802	08/16/16	08/17/16	EPA 8021B	
Xylene (o)	ND	0.0217	mg/kg dry	20	P6H1802	08/16/16	08/17/16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		106 %	75-125		P6H1802	08/16/16	08/17/16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		89.7 %	75-125		P6H1802	08/16/16	08/17/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	8.0	0.1	%	1	P6H1701	08/17/16	08/17/16	% calculation	
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.2	mg/kg dry	1	P6H1704	08/16/16	08/16/16	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P6H1704	08/16/16	08/16/16	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P6H1704	08/16/16	08/16/16	TPH 8015M	
Surrogate: 1-Chlorooctane		97.1 %	70-130		P6H1704	08/16/16	08/16/16	TPH 8015M	
Surrogate: o-Terphenyl		116 %	70-130		P6H1704	08/16/16	08/16/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	08/16/16	08/16/16	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 1
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P6H1802 - General Preparation (GC)

Blank (P6H1802-BLK1)

Prepared & Analyzed: 08/16/16

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00200	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.0528		"	0.0500		106	75-125			
Surrogate: 1,4-Difluorobenzene	0.0543		"	0.0500		109	75-125			

LCS (P6H1802-BS1)

Prepared & Analyzed: 08/16/16

Benzene	0.0946	0.00100	mg/kg wet	0.100		94.6	70-130			
Toluene	0.0918	0.00200	"	0.100		91.8	70-130			
Ethylbenzene	0.117	0.00100	"	0.100		117	70-130			
Xylene (p/m)	0.213	0.00200	"	0.200		106	70-130			
Xylene (o)	0.102	0.00100	"	0.100		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.0590		"	0.0500		118	75-125			
Surrogate: 1,4-Difluorobenzene	0.0530		"	0.0500		106	75-125			

LCS Dup (P6H1802-BSD1)

Prepared & Analyzed: 08/16/16

Benzene	0.0989	0.00100	mg/kg wet	0.100		98.9	70-130	4.41	20	
Toluene	0.0932	0.00200	"	0.100		93.2	70-130	1.51	20	
Ethylbenzene	0.117	0.00100	"	0.100		117	70-130	0.0342	20	
Xylene (p/m)	0.214	0.00200	"	0.200		107	70-130	0.596	20	
Xylene (o)	0.102	0.00100	"	0.100		102	70-130	0.00	20	
Surrogate: 1,4-Difluorobenzene	0.0584		"	0.0500		117	75-125			
Surrogate: 4-Bromofluorobenzene	0.0605		"	0.0500		121	75-125			

Matrix Spike (P6H1802-MS1)

Source: 6H16010-01

Prepared: 08/16/16 Analyzed: 08/17/16

Benzene	0.0497	0.00104	mg/kg dry	0.104	0.000583	47.2	80-120			QM-05
Toluene	0.0189	0.00208	"	0.104	ND	18.1	80-120			QM-05
Ethylbenzene	0.0460	0.00104	"	0.104	ND	44.2	80-120			QM-05
Xylene (p/m)	0.103	0.00208	"	0.208	ND	49.3	80-120			QM-05
Xylene (o)	0.0246	0.00104	"	0.104	ND	23.6	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	0.0579		"	0.0521		111	75-125			
Surrogate: 1,4-Difluorobenzene	0.0493		"	0.0521		94.7	75-125			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 1
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P6H1802 - General Preparation (GC)

Matrix Spike Dup (P6H1802-MSD1)

Source: 6H16010-01

Prepared: 08/16/16 Analyzed: 08/17/16

Benzene	0.0150	0.00104	mg/kg dry	0.104	0.000583	13.9	80-120	109	20	QM-05
Toluene	0.0156	0.00208	"	0.104	ND	15.0	80-120	18.9	20	QM-05
Ethylbenzene	0.0778	0.00104	"	0.104	ND	74.6	80-120	51.3	20	QM-05
Xylene (p/m)	0.153	0.00208	"	0.208	ND	73.4	80-120	39.3	20	QM-05
Xylene (o)	0.0494	0.00104	"	0.104	ND	47.4	80-120	67.1	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.0563		"	0.0521		108	75-125			
Surrogate: 1,4-Difluorobenzene	0.0552		"	0.0521		106	75-125			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 1
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P6H1701 - * DEFAULT PREP *****

Blank (P6H1701-BLK1)

Prepared & Analyzed: 08/17/16

% Moisture	ND	0.1	%
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Duplicate (P6H1701-DUP1)

Source: 6H16002-05

Prepared & Analyzed: 08/17/16

% Moisture	1.0	0.1	%	1.0	0.00	20
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Duplicate (P6H1701-DUP2)

Source: 6H16007-01

Prepared & Analyzed: 08/17/16

% Moisture	4.0	0.1	%	4.0	0.00	20
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Duplicate (P6H1701-DUP3)

Source: 6H16017-03

Prepared & Analyzed: 08/17/16

% Moisture	8.0	0.1	%	8.0	0.00	20
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Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 1
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P6H1704 - TX 1005

Blank (P6H1704-BLK1)

Prepared & Analyzed: 08/16/16

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	88.2		"	100		88.2	70-130			
Surrogate: o-Terphenyl	50.0		"	50.0		99.9	70-130			

LCS (P6H1704-BS1)

Prepared & Analyzed: 08/16/16

C6-C12	913	25.0	mg/kg wet	1000		91.3	75-125			
>C12-C28	937	25.0	"	1000		93.7	75-125			
Surrogate: 1-Chlorooctane	124		"	100		124	70-130			
Surrogate: o-Terphenyl	52.2		"	50.0		104	70-130			

LCS Dup (P6H1704-BSD1)

Prepared & Analyzed: 08/16/16

C6-C12	924	25.0	mg/kg wet	1000		92.4	75-125	1.14	20	
>C12-C28	961	25.0	"	1000		96.1	75-125	2.49	20	
Surrogate: 1-Chlorooctane	127		"	100		127	70-130			
Surrogate: o-Terphenyl	52.9		"	50.0		106	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 1
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

Notes and Definitions

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

8/18/2016

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

61616010

Arson & Associates, Inc.
Environmental Consultants

507 N. Marientfeld, Ste. 200
Midland, TX 79701
432-687-0901

Data Reported to:

DATE: 8/16/2016 PAGE 1 OF 1
PO #: LAB WORK ORDER #
PROJECT LOCATION OR NAME: E66 Cedar Lakes 35E
LAI PROJECT #: 16-0121-01 COLLECTOR: Michael

CHAIN-OF-CUSTODY

Page 12 of 12

TRRP report?
☐ Yes ☐ No

S=SOIL
W=WATER
A=AIR

P=PAINT
SL=SLUDGE
OT=OTHER

TIME ZONE:
Time zone/State:

MSL/MN

Field
Sample I.D.

Lab #

Date

Time

Matrix

of Containers

HCl

HNO₃H₂SO₄ ☐ NaOH ☐

ICE

UNPRESERVED

ANALYSES

BTEX ☒ MTBE ☐
TPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐
GASOLINE MOD 8015 ☒ DIESEL MOD 8015 ☒
VOC 8260 ☒ SVOC 8270 ☒ PAH 8270 ☒ HOLDPAH ☐
8081 PESTICIDES ☐ 8151 HERBICIDES ☐
TCAP - PCBs ☐ TCAP - METALS (RCRA) ☐ TCAP VOC ☐
TOTAL METALS (RCRA) ☐ SEMI-VOC ☐ OTHER LIST ☐
LEAD - TOTAL ☐ D.W. 200.8 ☐ TCAP ☐
RCI ☐ TOX ☐ FLASHPOINT ☐
TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐
PH ☐ HEXAVALENT CHROMIUM ☐ PENTACHLORATE ☐
EXPLOSIVES ☐ ANIONS ☐ ALKALINITY ☐
CHLORIDE ☐

FIELD NOTES

1 SS-1-2
2 SS-4-2
3 SS-5-2
4 SS-10-4

8/10 12:08
8/10 12:11
8/10 12:15
8/10 12:20

S
S
S
S

1
1
1
1

X
X
X
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X
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X

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X
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X
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X
X
X
X

TOTAL

RELINQUISHED BY: (Signature)

DATE/TIME

RECEIVED BY: (Signature)

RELINQUISHED BY: (Signature)

DATE/TIME

RECEIVED BY: (Signature)

RELINQUISHED BY: (Signature)

DATE/TIME

RECEIVED BY: (Signature)

TURN AROUND TIME

NORMAL ☐1 DAY ☐2 DAY ☒OTHER ☐

LABORATORY USE ONLY:

RECEIVING TEMP: 2.0 THERM #: CUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED☐ CARRIER BILL # ☒ HAND DELIVERED

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Mark Larson
Larson & Associates, Inc.
P.O. Box 50685
Midland, TX 79710

Project: Cedar Lakes 35 Ex 2

Project Number: 16-0121-01

Location: New Mexico

Lab Order Number: 6H16011



NELAP/TCEQ # T104704156-13-3

Report Date: 08/18/16

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-4-2	6H16011-01	Soil	08/15/16 12:15	08-16-2016 09:43
SS-7-2	6H16011-02	Soil	08/12/16 11:05	08-16-2016 09:43
SS-6-2	6H16011-03	Soil	08/12/16 11:10	08-16-2016 09:43
SS-12-3	6H16011-04	Soil	08/12/16 12:35	08-16-2016 09:43
SS-5-3	6H16011-05	Soil	08/12/16 12:30	08-16-2016 09:43
SS-9-8	6H16011-06	Soil	08/12/16 12:36	08-16-2016 09:43
SS-8-3	6H16011-07	Soil	08/12/16 12:15	08-16-2016 09:43
SS-11-3	6H16011-08	Soil	08/12/16 11:57	08-16-2016 09:43
SS-10-3	6H16011-09	Soil	08/12/16 12:05	08-16-2016 09:43
SS-3-2	6H16011-10	Soil	08/12/16 12:20	08-16-2016 09:43

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

SS-4-2
6H16011-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00106	mg/kg dry	1	P6H1802	08/16/16	08/16/16	EPA 8021B	
Toluene	ND	0.00213	mg/kg dry	1	P6H1802	08/16/16	08/16/16	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P6H1802	08/16/16	08/16/16	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P6H1802	08/16/16	08/16/16	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P6H1802	08/16/16	08/16/16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		92.2 %	75-125		P6H1802	08/16/16	08/16/16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		100 %	75-125		P6H1802	08/16/16	08/16/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	6.0	0.1	%	1	P6H1701	08/17/16	08/17/16	% calculation	
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	P6H1704	08/16/16	08/17/16	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P6H1704	08/16/16	08/17/16	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P6H1704	08/16/16	08/17/16	TPH 8015M	
Surrogate: 1-Chlorooctane		97.0 %	70-130		P6H1704	08/16/16	08/17/16	TPH 8015M	
Surrogate: o-Terphenyl		111 %	70-130		P6H1704	08/16/16	08/17/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	08/16/16	08/17/16	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

SS-7-2
6H16011-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00105	mg/kg dry	1	P6H1802	08/16/16	08/16/16	EPA 8021B	
Toluene	ND	0.00211	mg/kg dry	1	P6H1802	08/16/16	08/16/16	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P6H1802	08/16/16	08/16/16	EPA 8021B	
Xylene (p/m)	0.00464	0.00211	mg/kg dry	1	P6H1802	08/16/16	08/16/16	EPA 8021B	
Xylene (o)	0.00142	0.00105	mg/kg dry	1	P6H1802	08/16/16	08/16/16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		91.6 %	75-125		P6H1802	08/16/16	08/16/16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-125		P6H1802	08/16/16	08/16/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	5.0	0.1	%	1	P6H1701	08/17/16	08/17/16	% calculation	
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P6H1704	08/16/16	08/17/16	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P6H1704	08/16/16	08/17/16	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P6H1704	08/16/16	08/17/16	TPH 8015M	
Surrogate: 1-Chlorooctane		109 %	70-130		P6H1704	08/16/16	08/17/16	TPH 8015M	
Surrogate: o-Terphenyl		120 %	70-130		P6H1704	08/16/16	08/17/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	08/16/16	08/17/16	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

SS-6-2
6H16011-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	3.54	0.269	mg/kg dry	250	P6H1802	08/16/16	08/17/16	EPA 8021B	
Toluene	17.3	0.538	mg/kg dry	250	P6H1802	08/16/16	08/17/16	EPA 8021B	
Ethylbenzene	8.26	0.269	mg/kg dry	250	P6H1802	08/16/16	08/17/16	EPA 8021B	
Xylene (p/m)	99.1	0.538	mg/kg dry	250	P6H1802	08/16/16	08/17/16	EPA 8021B	
Xylene (o)	35.8	0.269	mg/kg dry	250	P6H1802	08/16/16	08/17/16	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		131 %		75-125	P6H1802	08/16/16	08/17/16	EPA 8021B	S-GC
<i>Surrogate: 4-Bromofluorobenzene</i>		119 %		75-125	P6H1802	08/16/16	08/17/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	7.0	0.1	%	1	P6H1701	08/17/16	08/17/16	% calculation	
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	2290	134	mg/kg dry	5	P6H1704	08/16/16	08/16/16	TPH 8015M	
>C12-C28	2010	134	mg/kg dry	5	P6H1704	08/16/16	08/16/16	TPH 8015M	
>C28-C35	172	134	mg/kg dry	5	P6H1704	08/16/16	08/16/16	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		119 %		70-130	P6H1704	08/16/16	08/16/16	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		119 %		70-130	P6H1704	08/16/16	08/16/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	4470	134	mg/kg dry	5	[CALC]	08/16/16	08/16/16	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

SS-12-3
6H16011-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	4.53	0.272	mg/kg dry	250	P6H1802	08/16/16	08/17/16	EPA 8021B	
Toluene	143	0.543	mg/kg dry	250	P6H1802	08/16/16	08/17/16	EPA 8021B	
Ethylbenzene	39.7	0.272	mg/kg dry	250	P6H1802	08/16/16	08/17/16	EPA 8021B	
Xylene (p/m)	268	0.543	mg/kg dry	250	P6H1802	08/16/16	08/17/16	EPA 8021B	
Xylene (o)	60.1	0.272	mg/kg dry	250	P6H1802	08/16/16	08/17/16	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		108 %	75-125		P6H1802	08/16/16	08/17/16	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		108 %	75-125		P6H1802	08/16/16	08/17/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	8.0	0.1	%	1	P6H1701	08/17/16	08/17/16	% calculation	
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	10000	136	mg/kg dry	5	P6H1704	08/16/16	08/16/16	TPH 8015M	
>C12-C28	7270	136	mg/kg dry	5	P6H1704	08/16/16	08/16/16	TPH 8015M	
>C28-C35	776	136	mg/kg dry	5	P6H1704	08/16/16	08/16/16	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		110 %	70-130		P6H1704	08/16/16	08/16/16	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		125 %	70-130		P6H1704	08/16/16	08/16/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	18100	136	mg/kg dry	5	[CALC]	08/16/16	08/16/16	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

SS-5-3
6H16011-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	1.84	0.263	mg/kg dry	250	P6H1802	08/16/16	08/17/16	EPA 8021B	
Toluene	74.5	0.526	mg/kg dry	250	P6H1802	08/16/16	08/17/16	EPA 8021B	
Ethylbenzene	17.7	0.263	mg/kg dry	250	P6H1802	08/16/16	08/17/16	EPA 8021B	
Xylene (p/m)	172	0.526	mg/kg dry	250	P6H1802	08/16/16	08/17/16	EPA 8021B	
Xylene (o)	28.4	0.263	mg/kg dry	250	P6H1802	08/16/16	08/17/16	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		114 %	75-125		P6H1802	08/16/16	08/17/16	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		146 %	75-125		P6H1802	08/16/16	08/17/16	EPA 8021B	S-GC

General Chemistry Parameters by EPA / Standard Methods

% Moisture	5.0	0.1	%	1	P6H1701	08/17/16	08/17/16	% calculation	
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	5550	132	mg/kg dry	5	P6H1704	08/16/16	08/16/16	TPH 8015M	
>C12-C28	4080	132	mg/kg dry	5	P6H1704	08/16/16	08/16/16	TPH 8015M	
>C28-C35	448	132	mg/kg dry	5	P6H1704	08/16/16	08/16/16	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		109 %	70-130		P6H1704	08/16/16	08/16/16	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		124 %	70-130		P6H1704	08/16/16	08/16/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	10100	132	mg/kg dry	5	[CALC]	08/16/16	08/16/16	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

SS-9-8
6H16011-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	2.94	0.298	mg/kg dry	250	P6H1802	08/16/16	08/17/16	EPA 8021B	
Toluene	100	0.595	mg/kg dry	250	P6H1802	08/16/16	08/17/16	EPA 8021B	
Ethylbenzene	23.3	0.298	mg/kg dry	250	P6H1802	08/16/16	08/17/16	EPA 8021B	
Xylene (p/m)	205	0.595	mg/kg dry	250	P6H1802	08/16/16	08/17/16	EPA 8021B	
Xylene (o)	53.7	0.298	mg/kg dry	250	P6H1802	08/16/16	08/17/16	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		127 %		75-125	P6H1802	08/16/16	08/17/16	EPA 8021B	S-GC
<i>Surrogate: 1,4-Difluorobenzene</i>		108 %		75-125	P6H1802	08/16/16	08/17/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	16.0	0.1	%	1	P6H1701	08/17/16	08/17/16	% calculation	
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	5760	149	mg/kg dry	5	P6H1704	08/16/16	08/16/16	TPH 8015M	
>C12-C28	3960	149	mg/kg dry	5	P6H1704	08/16/16	08/16/16	TPH 8015M	
>C28-C35	415	149	mg/kg dry	5	P6H1704	08/16/16	08/16/16	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		126 %		70-130	P6H1704	08/16/16	08/16/16	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		128 %		70-130	P6H1704	08/16/16	08/16/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	10100	149	mg/kg dry	5	[CALC]	08/16/16	08/16/16	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

SS-8-3
6H16011-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	0.0227	0.0206	mg/kg dry	20	P6H1802	08/16/16	08/17/16	EPA 8021B	
Toluene	0.0981	0.0412	mg/kg dry	20	P6H1802	08/16/16	08/17/16	EPA 8021B	
Ethylbenzene	ND	0.0206	mg/kg dry	20	P6H1802	08/16/16	08/17/16	EPA 8021B	
Xylene (p/m)	0.103	0.0412	mg/kg dry	20	P6H1802	08/16/16	08/17/16	EPA 8021B	
Xylene (o)	ND	0.0206	mg/kg dry	20	P6H1802	08/16/16	08/17/16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		110 %	75-125		P6H1802	08/16/16	08/17/16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		91.9 %	75-125		P6H1802	08/16/16	08/17/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	3.0	0.1	%	1	P6H1701	08/17/16	08/17/16	% calculation	
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	P6H1705	08/16/16	08/17/16	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P6H1705	08/16/16	08/17/16	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P6H1705	08/16/16	08/17/16	TPH 8015M	
Surrogate: 1-Chlorooctane		96.8 %	70-130		P6H1705	08/16/16	08/17/16	TPH 8015M	
Surrogate: o-Terphenyl		109 %	70-130		P6H1705	08/16/16	08/17/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	08/16/16	08/17/16	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

SS-11-3
6H16011-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	0.725	0.108	mg/kg dry	100	P6H1802	08/16/16	08/17/16	EPA 8021B	
Toluene	6.95	0.215	mg/kg dry	100	P6H1802	08/16/16	08/17/16	EPA 8021B	
Ethylbenzene	3.99	0.108	mg/kg dry	100	P6H1802	08/16/16	08/17/16	EPA 8021B	
Xylene (p/m)	81.5	0.215	mg/kg dry	100	P6H1802	08/16/16	08/17/16	EPA 8021B	
Xylene (o)	19.4	0.108	mg/kg dry	100	P6H1802	08/16/16	08/17/16	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		<i>112 %</i>		<i>75-125</i>	<i>P6H1802</i>	<i>08/16/16</i>	<i>08/17/16</i>	<i>EPA 8021B</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>130 %</i>		<i>75-125</i>	<i>P6H1802</i>	<i>08/16/16</i>	<i>08/17/16</i>	<i>EPA 8021B</i>	<i>S-GC</i>

General Chemistry Parameters by EPA / Standard Methods

% Moisture	7.0	0.1	%	1	P6H1701	08/17/16	08/17/16	% calculation	
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	3930	134	mg/kg dry	5	P6H1705	08/16/16	08/17/16	TPH 8015M	
>C12-C28	3190	134	mg/kg dry	5	P6H1705	08/16/16	08/17/16	TPH 8015M	
>C28-C35	263	134	mg/kg dry	5	P6H1705	08/16/16	08/17/16	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		<i>119 %</i>		<i>70-130</i>	<i>P6H1705</i>	<i>08/16/16</i>	<i>08/17/16</i>	<i>TPH 8015M</i>	
<i>Surrogate: o-Terphenyl</i>		<i>114 %</i>		<i>70-130</i>	<i>P6H1705</i>	<i>08/16/16</i>	<i>08/17/16</i>	<i>TPH 8015M</i>	
Total Petroleum Hydrocarbon C6-C35	7380	134	mg/kg dry	5	[CALC]	08/16/16	08/17/16	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Mark Larson

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SS-10-3
6H16011-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.106	mg/kg dry	100	P6H1802	08/16/16	08/17/16	EPA 8021B	
Toluene	11.6	0.213	mg/kg dry	100	P6H1802	08/16/16	08/17/16	EPA 8021B	
Ethylbenzene	3.29	0.106	mg/kg dry	100	P6H1802	08/16/16	08/17/16	EPA 8021B	
Xylene (p/m)	71.3	0.213	mg/kg dry	100	P6H1802	08/16/16	08/17/16	EPA 8021B	
Xylene (o)	16.3	0.106	mg/kg dry	100	P6H1802	08/16/16	08/17/16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		130 %	75-125		P6H1802	08/16/16	08/17/16	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene		112 %	75-125		P6H1802	08/16/16	08/17/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	6.0	0.1	%	1	P6H1701	08/17/16	08/17/16	% calculation	
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	3470	26.6	mg/kg dry	1	P6H1705	08/16/16	08/17/16	TPH 8015M	
>C12-C28	2590	26.6	mg/kg dry	1	P6H1705	08/16/16	08/17/16	TPH 8015M	
>C28-C35	241	26.6	mg/kg dry	1	P6H1705	08/16/16	08/17/16	TPH 8015M	
Surrogate: 1-Chlorooctane		126 %	70-130		P6H1705	08/16/16	08/17/16	TPH 8015M	
Surrogate: o-Terphenyl		127 %	70-130		P6H1705	08/16/16	08/17/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	6300	26.6	mg/kg dry	1	[CALC]	08/16/16	08/17/16	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

SS-3-2
6H16011-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00104	mg/kg dry	1	P6H1802	08/16/16	08/17/16	EPA 8021B	
Toluene	ND	0.00208	mg/kg dry	1	P6H1802	08/16/16	08/17/16	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P6H1802	08/16/16	08/17/16	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P6H1802	08/16/16	08/17/16	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P6H1802	08/16/16	08/17/16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		117 %	75-125		P6H1802	08/16/16	08/17/16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		133 %	75-125		P6H1802	08/16/16	08/17/16	EPA 8021B	S-GC

General Chemistry Parameters by EPA / Standard Methods

% Moisture	4.0	0.1	%	1	P6H1701	08/17/16	08/17/16	% calculation	
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P6H1705	08/16/16	08/17/16	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P6H1705	08/16/16	08/17/16	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P6H1705	08/16/16	08/17/16	TPH 8015M	
Surrogate: 1-Chlorooctane		104 %	70-130		P6H1705	08/16/16	08/17/16	TPH 8015M	
Surrogate: o-Terphenyl		116 %	70-130		P6H1705	08/16/16	08/17/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	08/16/16	08/17/16	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P6H1802 - General Preparation (GC)

Blank (P6H1802-BLK1)

Prepared & Analyzed: 08/16/16

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00200	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.0543		"	0.0500		109	75-125			
Surrogate: 4-Bromofluorobenzene	0.0528		"	0.0500		106	75-125			

LCS (P6H1802-BS1)

Prepared & Analyzed: 08/16/16

Benzene	0.0946	0.00100	mg/kg wet	0.100		94.6	70-130			
Toluene	0.0918	0.00200	"	0.100		91.8	70-130			
Ethylbenzene	0.117	0.00100	"	0.100		117	70-130			
Xylene (p/m)	0.213	0.00200	"	0.200		106	70-130			
Xylene (o)	0.102	0.00100	"	0.100		102	70-130			
Surrogate: 1,4-Difluorobenzene	0.0530		"	0.0500		106	75-125			
Surrogate: 4-Bromofluorobenzene	0.0590		"	0.0500		118	75-125			

LCS Dup (P6H1802-BSD1)

Prepared & Analyzed: 08/16/16

Benzene	0.0989	0.00100	mg/kg wet	0.100		98.9	70-130	4.41	20	
Toluene	0.0932	0.00200	"	0.100		93.2	70-130	1.51	20	
Ethylbenzene	0.117	0.00100	"	0.100		117	70-130	0.0342	20	
Xylene (p/m)	0.214	0.00200	"	0.200		107	70-130	0.596	20	
Xylene (o)	0.102	0.00100	"	0.100		102	70-130	0.00	20	
Surrogate: 4-Bromofluorobenzene	0.0605		"	0.0500		121	75-125			
Surrogate: 1,4-Difluorobenzene	0.0584		"	0.0500		117	75-125			

Matrix Spike (P6H1802-MS1)

Source: 6H16010-01

Prepared: 08/16/16 Analyzed: 08/17/16

Benzene	0.0497	0.00104	mg/kg dry	0.104	0.000583	47.2	80-120			QM-05
Toluene	0.0189	0.00208	"	0.104	ND	18.1	80-120			QM-05
Ethylbenzene	0.0460	0.00104	"	0.104	ND	44.2	80-120			QM-05
Xylene (p/m)	0.103	0.00208	"	0.208	ND	49.3	80-120			QM-05
Xylene (o)	0.0246	0.00104	"	0.104	ND	23.6	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	0.0579		"	0.0521		111	75-125			
Surrogate: 1,4-Difluorobenzene	0.0493		"	0.0521		94.7	75-125			

Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P6H1802 - General Preparation (GC)

Matrix Spike Dup (P6H1802-MSD1)		Source: 6H16010-01		Prepared: 08/16/16		Analyzed: 08/17/16				
Benzene	0.0150	0.00104	mg/kg dry	0.104	0.000583	13.9	80-120	109	20	QM-05
Toluene	0.0156	0.00208	"	0.104	ND	15.0	80-120	18.9	20	QM-05
Ethylbenzene	0.0778	0.00104	"	0.104	ND	74.6	80-120	51.3	20	QM-05
Xylene (p/m)	0.153	0.00208	"	0.208	ND	73.4	80-120	39.3	20	QM-05
Xylene (o)	0.0494	0.00104	"	0.104	ND	47.4	80-120	67.1	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.0563		"	0.0521		108	75-125			
Surrogate: 1,4-Difluorobenzene	0.0552		"	0.0521		106	75-125			

Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P6H1701 - * DEFAULT PREP *****

Blank (P6H1701-BLK1)

Prepared & Analyzed: 08/17/16

% Moisture	ND	0.1	%
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Duplicate (P6H1701-DUP1)

Source: 6H16002-05

Prepared & Analyzed: 08/17/16

% Moisture	1.0	0.1	%	1.0	0.00	20
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Duplicate (P6H1701-DUP2)

Source: 6H16007-01

Prepared & Analyzed: 08/17/16

% Moisture	4.0	0.1	%	4.0	0.00	20
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Duplicate (P6H1701-DUP3)

Source: 6H16017-03

Prepared & Analyzed: 08/17/16

% Moisture	8.0	0.1	%	8.0	0.00	20
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Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P6H1704 - TX 1005

Blank (P6H1704-BLK1)

Prepared & Analyzed: 08/16/16

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	88.2		"	100		88.2	70-130			
Surrogate: o-Terphenyl	50.0		"	50.0		99.9	70-130			

LCS (P6H1704-BS1)

Prepared & Analyzed: 08/16/16

C6-C12	913	25.0	mg/kg wet	1000		91.3	75-125			
>C12-C28	937	25.0	"	1000		93.7	75-125			
Surrogate: 1-Chlorooctane	124		"	100		124	70-130			
Surrogate: o-Terphenyl	52.2		"	50.0		104	70-130			

LCS Dup (P6H1704-BSD1)

Prepared & Analyzed: 08/16/16

C6-C12	924	25.0	mg/kg wet	1000		92.4	75-125	1.14	20	
>C12-C28	961	25.0	"	1000		96.1	75-125	2.49	20	
Surrogate: 1-Chlorooctane	127		"	100		127	70-130			
Surrogate: o-Terphenyl	52.9		"	50.0		106	70-130			

Batch P6H1705 - TX 1005

Blank (P6H1705-BLK1)

Prepared: 08/16/16 Analyzed: 08/17/16

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	101		"	100		101	70-130			
Surrogate: o-Terphenyl	58.4		"	50.0		117	70-130			

Permian Basin Environmental Lab, L.P.

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P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P6H1705 - TX 1005

LCS (P6H1705-BS1)

Prepared & Analyzed: 08/16/16

C6-C12	1050	25.0	mg/kg wet	1000		105	75-125			
>C12-C28	1020	25.0	"	1000		102	75-125			
Surrogate: 1-Chlorooctane	112		"	100		112	70-130			
Surrogate: o-Terphenyl	55.2		"	50.0		110	70-130			

LCS Dup (P6H1705-BSD1)

Prepared: 08/16/16 Analyzed: 08/17/16

C6-C12	1070	25.0	mg/kg wet	1000		107	75-125	2.19	20	
>C12-C28	1040	25.0	"	1000		104	75-125	2.11	20	
Surrogate: 1-Chlorooctane	110		"	100		110	70-130			
Surrogate: o-Terphenyl	56.3		"	50.0		113	70-130			

Duplicate (P6H1705-DUP1)

Source: 6H16006-04

Prepared: 08/16/16 Analyzed: 08/17/16

C6-C12	ND	27.5	mg/kg dry		ND				20	
>C12-C28	ND	27.5	"		33.4				20	
Surrogate: 1-Chlorooctane	111		"	110		101	70-130			
Surrogate: o-Terphenyl	65.7		"	54.9		120	70-130			

Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Cedar Lakes 35 Ex 2
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

Notes and Definitions

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date: 8/18/2016

Brent Barron, Laboratory Director/Technical Director

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Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Verhaar

507 N. Marientfeld, Ste. 200
Midland, TX 79701
432-687-0901

DATE: 8/16/2016 PAGE 1 OF 1
PO #: _____ LAB WORK ORDER #: _____
PROJECT LOCATION OR NAME: FOG Cedar Lakes St Ex
LAI PROJECT #: 16-0121-01 COLLECTOR: Michael Gant

CHAIN-OF-CUSTO

Page 19 of 19

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**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Mark Larson
Larson & Associates, Inc.
P.O. Box 50685
Midland, TX 79710

Project: EOG Cedar Lake 35

Project Number: 16-0121-01

Location:

Lab Order Number: 6H24005



NELAP/TCEQ # T104704156-13-3

Report Date: 08/29/16

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake 35
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
HA-11-3	6H24005-01	Soil	08/19/16 12:00	08-24-2016 11:55
SS-9-10	6H24005-02	Soil	08/22/16 13:00	08-24-2016 11:55
SS-11-4	6H24005-03	Soil	08/22/16 13:03	08-24-2016 11:55
SS-10-4	6H24005-04	Soil	08/22/16 12:55	08-24-2016 11:55
SS-6-3	6H24005-05	Soil	08/23/16 12:15	08-24-2016 11:55

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake 35
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

HA-11-3
6H24005-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	1.45	0.0543	mg/kg dry	50	P6H2901	08/26/16	08/26/16	EPA 8021B	
Toluene	27.5	0.109	mg/kg dry	50	P6H2901	08/26/16	08/26/16	EPA 8021B	
Ethylbenzene	6.60	0.0543	mg/kg dry	50	P6H2901	08/26/16	08/26/16	EPA 8021B	
Xylene (p/m)	47.3	0.109	mg/kg dry	50	P6H2901	08/26/16	08/26/16	EPA 8021B	
Xylene (o)	11.9	0.0543	mg/kg dry	50	P6H2901	08/26/16	08/26/16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		61.2 %		75-125	P6H2901	08/26/16	08/26/16	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene		84.4 %		75-125	P6H2901	08/26/16	08/26/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	8.0	0.1	%	1	P6H2601	08/26/16	08/26/16	% calculation	
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Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake 35
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

SS-9-10
6H24005-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	0.00216	0.00109	mg/kg dry	1	P6H2901	08/26/16	08/26/16	EPA 8021B	
Toluene	0.00592	0.00217	mg/kg dry	1	P6H2901	08/26/16	08/26/16	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P6H2901	08/26/16	08/26/16	EPA 8021B	
Xylene (p/m)	0.00465	0.00217	mg/kg dry	1	P6H2901	08/26/16	08/26/16	EPA 8021B	
Xylene (o)	0.00250	0.00109	mg/kg dry	1	P6H2901	08/26/16	08/26/16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		108 %	75-125		P6H2901	08/26/16	08/26/16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		108 %	75-125		P6H2901	08/26/16	08/26/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	8.0	0.1	%	1	P6H2601	08/26/16	08/26/16	% calculation	
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.2	mg/kg dry	1	P6H2902	08/24/16	08/25/16	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P6H2902	08/24/16	08/25/16	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P6H2902	08/24/16	08/25/16	TPH 8015M	
Surrogate: 1-Chlorooctane		111 %	70-130		P6H2902	08/24/16	08/25/16	TPH 8015M	
Surrogate: o-Terphenyl		126 %	70-130		P6H2902	08/24/16	08/25/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	08/24/16	08/25/16	calc	

Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake 35
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

SS-11-4
6H24005-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	0.382	0.0521	mg/kg dry	50	P6H2901	08/26/16	08/26/16	EPA 8021B	
Toluene	17.8	0.104	mg/kg dry	50	P6H2901	08/26/16	08/26/16	EPA 8021B	
Ethylbenzene	4.78	0.0521	mg/kg dry	50	P6H2901	08/26/16	08/26/16	EPA 8021B	
Xylene (p/m)	38.6	0.104	mg/kg dry	50	P6H2901	08/26/16	08/26/16	EPA 8021B	
Xylene (o)	8.72	0.0521	mg/kg dry	50	P6H2901	08/26/16	08/26/16	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		90.0 %	75-125		P6H2901	08/26/16	08/26/16	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		46.0 %	75-125		P6H2901	08/26/16	08/26/16	EPA 8021B	S-GC

General Chemistry Parameters by EPA / Standard Methods

% Moisture	4.0	0.1	%	1	P6H2601	08/26/16	08/26/16	% calculation	
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	2630	130	mg/kg dry	5	P6H2902	08/24/16	08/25/16	TPH 8015M	
>C12-C28	1970	130	mg/kg dry	5	P6H2902	08/24/16	08/25/16	TPH 8015M	
>C28-C35	233	130	mg/kg dry	5	P6H2902	08/24/16	08/25/16	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		108 %	70-130		P6H2902	08/24/16	08/25/16	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		118 %	70-130		P6H2902	08/24/16	08/25/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	4830	130	mg/kg dry	5	[CALC]	08/24/16	08/25/16	calc	

Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake 35
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

SS-10-4
6H24005-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	0.938	0.0526	mg/kg dry	50	P6H2901	08/26/16	08/26/16	EPA 8021B	
Toluene	21.3	0.105	mg/kg dry	50	P6H2901	08/26/16	08/26/16	EPA 8021B	
Ethylbenzene	1.41	0.0526	mg/kg dry	50	P6H2901	08/26/16	08/26/16	EPA 8021B	
Xylene (p/m)	42.0	0.105	mg/kg dry	50	P6H2901	08/26/16	08/26/16	EPA 8021B	
Xylene (o)	9.89	0.0526	mg/kg dry	50	P6H2901	08/26/16	08/26/16	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		89.4 %	75-125		P6H2901	08/26/16	08/26/16	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		40.0 %	75-125		P6H2901	08/26/16	08/26/16	EPA 8021B	S-GC

General Chemistry Parameters by EPA / Standard Methods

% Moisture	5.0	0.1	%	1	P6H2601	08/26/16	08/26/16	% calculation	
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	4210	132	mg/kg dry	5	P6H2902	08/24/16	08/25/16	TPH 8015M	
>C12-C28	2810	132	mg/kg dry	5	P6H2902	08/24/16	08/25/16	TPH 8015M	
>C28-C35	334	132	mg/kg dry	5	P6H2902	08/24/16	08/25/16	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		119 %	70-130		P6H2902	08/24/16	08/25/16	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		116 %	70-130		P6H2902	08/24/16	08/25/16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	7350	132	mg/kg dry	5	[CALC]	08/24/16	08/25/16	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake 35
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

SS-6-3
6H24005-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00102	mg/kg dry	1	P6H2901	08/26/16	08/26/16	EPA 8021B	
Toluene	ND	0.00204	mg/kg dry	1	P6H2901	08/26/16	08/26/16	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P6H2901	08/26/16	08/26/16	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P6H2901	08/26/16	08/26/16	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P6H2901	08/26/16	08/26/16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		115 %	75-125		P6H2901	08/26/16	08/26/16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		113 %	75-125		P6H2901	08/26/16	08/26/16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	2.0	0.1	%	1	P6H2601	08/26/16	08/26/16	% calculation	
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Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake 35
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P6H2901 - General Preparation (GC)

Blank (P6H2901-BLK1)

Prepared & Analyzed: 08/26/16

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00200	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.0676		"	0.0600		113	75-125			
Surrogate: 4-Bromofluorobenzene	0.0649		"	0.0600		108	75-125			

LCS (P6H2901-BS1)

Prepared & Analyzed: 08/26/16

Benzene	0.118	0.00100	mg/kg wet	0.100		118	70-130			
Toluene	0.110	0.00200	"	0.100		110	70-130			
Ethylbenzene	0.115	0.00100	"	0.100		115	70-130			
Xylene (p/m)	0.226	0.00200	"	0.200		113	70-130			
Xylene (o)	0.117	0.00100	"	0.100		117	70-130			
Surrogate: 1,4-Difluorobenzene	0.0646		"	0.0600		108	75-125			
Surrogate: 4-Bromofluorobenzene	0.0670		"	0.0600		112	75-125			

LCS Dup (P6H2901-BSD1)

Prepared & Analyzed: 08/26/16

Benzene	0.111	0.00100	mg/kg wet	0.100		111	70-130	6.41	20	
Toluene	0.106	0.00200	"	0.100		106	70-130	3.65	20	
Ethylbenzene	0.108	0.00100	"	0.100		108	70-130	6.30	20	
Xylene (p/m)	0.214	0.00200	"	0.200		107	70-130	5.19	20	
Xylene (o)	0.111	0.00100	"	0.100		111	70-130	5.28	20	
Surrogate: 4-Bromofluorobenzene	0.0651		"	0.0600		109	75-125			
Surrogate: 1,4-Difluorobenzene	0.0677		"	0.0600		113	75-125			

Matrix Spike (P6H2901-MS1)

Source: 6H24005-02

Prepared & Analyzed: 08/26/16

Benzene	0.102	0.00109	mg/kg dry	0.109	0.00216	91.6	80-120			
Toluene	0.0988	0.00217	"	0.109	0.00592	85.5	80-120			
Ethylbenzene	0.0978	0.00109	"	0.109	ND	90.0	80-120			
Xylene (p/m)	0.195	0.00217	"	0.217	0.00465	87.5	80-120			
Xylene (o)	0.107	0.00109	"	0.109	0.00250	95.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.0825		"	0.0652		126	75-125			S-GC
Surrogate: 4-Bromofluorobenzene	0.0803		"	0.0652		123	75-125			

Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake 35
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P6H2901 - General Preparation (GC)

Matrix Spike Dup (P6H2901-MSD1)		Source: 6H24005-02		Prepared & Analyzed: 08/26/16						
Benzene	0.0904	0.00109	mg/kg dry	0.109	0.00216	81.1	80-120	12.2	20	
Toluene	0.0869	0.00217	"	0.109	0.00592	74.5	80-120	13.7	20	QM-07
Ethylbenzene	0.0868	0.00109	"	0.109	ND	79.9	80-120	11.9	20	QM-07
Xylene (p/m)	0.174	0.00217	"	0.217	0.00465	78.0	80-120	11.4	20	QM-07
Xylene (o)	0.0918	0.00109	"	0.109	0.00250	82.1	80-120	15.3	20	
Surrogate: 1,4-Difluorobenzene	0.0799		"	0.0652		122	75-125			
Surrogate: 4-Bromofluorobenzene	0.0765		"	0.0652		117	75-125			

Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake 35
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P6H2601 - *** DEFAULT PREP ***										
Blank (P6H2601-BLK1)	Prepared & Analyzed: 08/26/16									
% Moisture	ND	0.1	%							
Blank (P6H2601-BLK2)	Prepared & Analyzed: 08/26/16									
% Moisture	ND	0.1	%							
Duplicate (P6H2601-DUP1)	Source: 6H23009-01		Prepared & Analyzed: 08/26/16							
% Moisture	10.0	0.1	%		8.0			22.2	20	
Duplicate (P6H2601-DUP2)	Source: 6H23015-15		Prepared & Analyzed: 08/26/16							
% Moisture	5.0	0.1	%		5.0			0.00	20	
Duplicate (P6H2601-DUP3)	Source: 6H23016-02		Prepared & Analyzed: 08/26/16							
% Moisture	11.0	0.1	%		11.0			0.00	20	
Duplicate (P6H2601-DUP4)	Source: 6H24008-02		Prepared & Analyzed: 08/26/16							
% Moisture	82.0	0.1	%		81.0			1.23	20	
Duplicate (P6H2601-DUP5)	Source: 6H23010-01		Prepared & Analyzed: 08/26/16							
% Moisture	ND	0.1	%		1.0			200	20	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake 35
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P6H2902 - TX 1005

Blank (P6H2902-BLK1)

Prepared & Analyzed: 08/24/16

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	116		"	100		116	70-130			
Surrogate: o-Terphenyl	67.5		"	50.0		135	70-130			S-GC

LCS (P6H2902-BS1)

Prepared & Analyzed: 08/24/16

C6-C12	871	25.0	mg/kg wet	1000		87.1	75-125			
>C12-C28	935	25.0	"	1000		93.5	75-125			
Surrogate: 1-Chlorooctane	125		"	100		125	70-130			
Surrogate: o-Terphenyl	52.5		"	50.0		105	70-130			

LCS Dup (P6H2902-BSD1)

Prepared & Analyzed: 08/24/16

C6-C12	937	25.0	mg/kg wet	1000		93.7	75-125	7.31	20	
>C12-C28	972	25.0	"	1000		97.2	75-125	3.87	20	
Surrogate: 1-Chlorooctane	107		"	100		107	70-130			
Surrogate: o-Terphenyl	54.9		"	50.0		110	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: EOG Cedar Lake 35
Project Number: 16-0121-01
Project Manager: Mark Larson

Fax: (432) 687-0456

Notes and Definitions

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

8/29/2016

Brent Barron, Laboratory Director/Technical Director

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If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

6424005

507 N. Marientfeld, Ste. 200
Midland, TX 79701
432-687-0901

Data Reported to:

DATE: 8/24/2016 PAGE 1 OF 1
PO #: _____ LAB WORK ORDER #:
PROJECT LOCATION OR NAME: EOG Cedar Lake 35
LAI PROJECT #: 16-0121-01 COLLECTOR: Michael Gamm

Page 13 of 13

Released to Imaging: 7/11/2023 11:44:17 AM



Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-1143-1

Laboratory Sample Delivery Group: Eddy County, NM
Client Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

For:

NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Attn: Mike Carmona

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
4/15/2021 6:12:37 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Laboratory Job ID: 880-1143-1
SDG: Eddy County, NM

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Definitions/Glossary

Client: NT Global

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1

SDG: Eddy County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
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.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

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

Eurofins Xenco, Midland

Case Narrative

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

Job ID: 880-1143-1**Laboratory: Eurofins Xenco, Midland****Narrative****Job Narrative
880-1143-1****Receipt**

The samples were received on 4/8/2021 3:29 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 6.3°C

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-1 (12') (880-1143-12) and T-3(3') (880-1143-27). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-1597 and analytical batch 880-1612 recovered outside control limits for the following analytes: < Diesel Range Organics (Over C10-C28)>.

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

HPLC/IC

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

Client Sample Results

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

Client Sample ID: T-1 (0-1') (HA-10-4)

Lab Sample ID: 880-1143-1

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/10/21 11:11	04/11/21 09:11	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/10/21 11:11	04/11/21 09:11	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/10/21 11:11	04/11/21 09:11	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/10/21 11:11	04/11/21 09:11	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/10/21 11:11	04/11/21 09:11	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/10/21 11:11	04/11/21 09:11	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		04/10/21 11:11	04/11/21 09:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	04/10/21 11:11	04/11/21 09:11	1
1,4-Difluorobenzene (Surr)	104		70 - 130	04/10/21 11:11	04/11/21 09:11	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		mg/Kg		04/09/21 08:52	04/09/21 13:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/09/21 08:52	04/09/21 13:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/09/21 08:52	04/09/21 13:06	1
Total TPH	<49.9	U	49.9		mg/Kg		04/09/21 08:52	04/09/21 13:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	04/09/21 08:52	04/09/21 13:06	1
o-Terphenyl	107		70 - 130	04/09/21 08:52	04/09/21 13:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			04/13/21 22:20	1

Client Sample ID: T-1 (2')

Lab Sample ID: 880-1143-2

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/10/21 11:11	04/11/21 09:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/10/21 11:11	04/11/21 09:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/10/21 11:11	04/11/21 09:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/10/21 11:11	04/11/21 09:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/10/21 11:11	04/11/21 09:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/10/21 11:11	04/11/21 09:32	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		04/10/21 11:11	04/11/21 09:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	04/10/21 11:11	04/11/21 09:32	1
1,4-Difluorobenzene (Surr)	107		70 - 130	04/10/21 11:11	04/11/21 09:32	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		mg/Kg		04/09/21 08:52	04/09/21 14:10	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

Client Sample ID: T-1 (2')

Lab Sample ID: 880-1143-2

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

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)	<49.9	U	49.9		mg/Kg		04/09/21 08:52	04/09/21 14:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/09/21 08:52	04/09/21 14:10	1
Total TPH	<49.9	U	49.9		mg/Kg		04/09/21 08:52	04/09/21 14:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				04/09/21 08:52	04/09/21 14:10	1
o-Terphenyl	104		70 - 130				04/09/21 08:52	04/09/21 14:10	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95		mg/Kg			04/13/21 22:26	1

Client Sample ID: T-1 (3')

Lab Sample ID: 880-1143-3

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/10/21 11:11	04/11/21 09:52	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/10/21 11:11	04/11/21 09:52	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/10/21 11:11	04/11/21 09:52	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/10/21 11:11	04/11/21 09:52	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/10/21 11:11	04/11/21 09:52	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/10/21 11:11	04/11/21 09:52	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		04/10/21 11:11	04/11/21 09:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				04/10/21 11:11	04/11/21 09:52	1
1,4-Difluorobenzene (Surr)	106		70 - 130				04/10/21 11:11	04/11/21 09:52	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	61.9		49.8		mg/Kg		04/09/21 08:52	04/09/21 14:32	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/09/21 08:52	04/09/21 14:32	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/09/21 08:52	04/09/21 14:32	1
Total TPH	61.9		49.8		mg/Kg		04/09/21 08:52	04/09/21 14:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				04/09/21 08:52	04/09/21 14:32	1
o-Terphenyl	107		70 - 130				04/09/21 08:52	04/09/21 14:32	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04	U	5.04		mg/Kg			04/13/21 22:32	1

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Client Sample Results

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

Client Sample ID: T-1 (4')

Lab Sample ID: 880-1143-4

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/21 11:11	04/11/21 10:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/10/21 11:11	04/11/21 10:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/10/21 11:11	04/11/21 10:13	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/10/21 11:11	04/11/21 10:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/10/21 11:11	04/11/21 10:13	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/10/21 11:11	04/11/21 10:13	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/10/21 11:11	04/11/21 10:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	04/10/21 11:11	04/11/21 10:13	1
1,4-Difluorobenzene (Surr)	108		70 - 130	04/10/21 11:11	04/11/21 10:13	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		mg/Kg		04/09/21 08:52	04/09/21 14:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/09/21 08:52	04/09/21 14:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/09/21 08:52	04/09/21 14:53	1
Total TPH	<49.9	U	49.9		mg/Kg		04/09/21 08:52	04/09/21 14:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	04/09/21 08:52	04/09/21 14:53	1
o-Terphenyl	103		70 - 130	04/09/21 08:52	04/09/21 14:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			04/13/21 22:38	1

Client Sample ID: T-1 (5')

Lab Sample ID: 880-1143-5

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/10/21 11:11	04/11/21 10:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/10/21 11:11	04/11/21 10:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/10/21 11:11	04/11/21 10:33	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/10/21 11:11	04/11/21 10:33	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/10/21 11:11	04/11/21 10:33	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/10/21 11:11	04/11/21 10:33	1
Total BTEX	<0.00202	U	0.00202		mg/Kg		04/10/21 11:11	04/11/21 10:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	04/10/21 11:11	04/11/21 10:33	1
1,4-Difluorobenzene (Surr)	109		70 - 130	04/10/21 11:11	04/11/21 10:33	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		mg/Kg		04/09/21 08:52	04/09/21 15:14	1

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Client Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Client Sample ID: T-1 (5')

Lab Sample ID: 880-1143-5

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

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)	<49.9	U	49.9		mg/Kg		04/09/21 08:52	04/09/21 15:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/09/21 08:52	04/09/21 15:14	1
Total TPH	<49.9	U	49.9		mg/Kg		04/09/21 08:52	04/09/21 15:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	04/09/21 08:52	04/09/21 15:14	1
o-Terphenyl	92		70 - 130	04/09/21 08:52	04/09/21 15:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			04/13/21 22:57	1

Client Sample ID: T-1 (6')

Lab Sample ID: 880-1143-6

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/10/21 11:11	04/11/21 10:53	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/10/21 11:11	04/11/21 10:53	1
Ethylbenzene	0.0162		0.00201		mg/Kg		04/10/21 11:11	04/11/21 10:53	1
m-Xylene & p-Xylene	0.00686		0.00402		mg/Kg		04/10/21 11:11	04/11/21 10:53	1
o-Xylene	0.00796		0.00201		mg/Kg		04/10/21 11:11	04/11/21 10:53	1
Xylenes, Total	0.0148		0.00402		mg/Kg		04/10/21 11:11	04/11/21 10:53	1
Total BTEX	0.0310		0.00201		mg/Kg		04/10/21 11:11	04/11/21 10:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	04/10/21 11:11	04/11/21 10:53	1
1,4-Difluorobenzene (Surr)	92		70 - 130	04/10/21 11:11	04/11/21 10:53	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	90.1		49.9		mg/Kg		04/09/21 08:52	04/09/21 15:36	1
Diesel Range Organics (Over C10-C28)	483		49.9		mg/Kg		04/09/21 08:52	04/09/21 15:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/09/21 08:52	04/09/21 15:36	1
Total TPH	573		49.9		mg/Kg		04/09/21 08:52	04/09/21 15:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	04/09/21 08:52	04/09/21 15:36	1
o-Terphenyl	98		70 - 130	04/09/21 08:52	04/09/21 15:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			04/13/21 23:03	1

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Client Sample Results

Client: NT Global

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1

SDG: Eddy County, NM

Client Sample ID: T-1 (7')

Lab Sample ID: 880-1143-7

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.125		0.00198		mg/Kg		04/10/21 11:38	04/10/21 15:14	1
Toluene	0.108		0.00198		mg/Kg		04/10/21 11:38	04/10/21 15:14	1
Ethylbenzene	0.107		0.00198		mg/Kg		04/10/21 11:38	04/10/21 15:14	1
m-Xylene & p-Xylene	0.207		0.00396		mg/Kg		04/10/21 11:38	04/10/21 15:14	1
o-Xylene	0.114		0.00198		mg/Kg		04/10/21 11:38	04/10/21 15:14	1
Xylenes, Total	0.321		0.00396		mg/Kg		04/10/21 11:38	04/10/21 15:14	1
Total BTEX	0.661		0.00198		mg/Kg		04/10/21 11:38	04/10/21 15:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	04/10/21 11:38	04/10/21 15:14	1
4-Bromofluorobenzene (Surr)	121		70 - 130	04/10/21 11:38	04/10/21 15:35	1
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130	04/10/21 11:38	04/10/21 16:35	1
1,4-Difluorobenzene (Surr)	114		70 - 130	04/10/21 11:38	04/10/21 15:14	1
1,4-Difluorobenzene (Surr)	113		70 - 130	04/10/21 11:38	04/10/21 15:35	1
1,4-Difluorobenzene (Surr)	107		70 - 130	04/10/21 11:38	04/10/21 16:35	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		mg/Kg		04/09/21 08:52	04/09/21 15:57	1
Diesel Range Organics (Over C10-C28)	201		50.0		mg/Kg		04/09/21 08:52	04/09/21 15:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/09/21 08:52	04/09/21 15:57	1
Total TPH	201		50.0		mg/Kg		04/09/21 08:52	04/09/21 15:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	04/09/21 08:52	04/09/21 15:57	1
o-Terphenyl	101		70 - 130	04/09/21 08:52	04/09/21 15:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.5		5.00		mg/Kg			04/14/21 16:42	1

Client Sample ID: T-1 (8')

Lab Sample ID: 880-1143-8

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/10/21 11:38	04/10/21 16:55	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/10/21 11:38	04/10/21 16:55	1
Ethylbenzene	0.0102		0.00198		mg/Kg		04/10/21 11:38	04/10/21 16:55	1
m-Xylene & p-Xylene	0.0170		0.00397		mg/Kg		04/10/21 11:38	04/10/21 16:55	1
o-Xylene	0.00531		0.00198		mg/Kg		04/10/21 11:38	04/10/21 16:55	1
Xylenes, Total	0.0223		0.00397		mg/Kg		04/10/21 11:38	04/10/21 16:55	1
Total BTEX	0.0325		0.00198		mg/Kg		04/10/21 11:38	04/10/21 16:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	190	S1+	70 - 130	04/10/21 11:38	04/10/21 16:55	1
1,4-Difluorobenzene (Surr)	109		70 - 130	04/10/21 11:38	04/10/21 16:55	1

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Client Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Client Sample ID: T-1 (8')

Lab Sample ID: 880-1143-8

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

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		mg/Kg		04/09/21 08:52	04/09/21 16:19	1
Diesel Range Organics (Over C10-C28)	485		50.0		mg/Kg		04/09/21 08:52	04/09/21 16:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/09/21 08:52	04/09/21 16:19	1
Total TPH	485		50.0		mg/Kg		04/09/21 08:52	04/09/21 16:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	04/09/21 08:52	04/09/21 16:19	1
o-Terphenyl	97		70 - 130	04/09/21 08:52	04/09/21 16:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.57		5.04		mg/Kg			04/14/21 17:00	1

Client Sample ID: T-1 (9')

Lab Sample ID: 880-1143-9

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00465		0.00200		mg/Kg		04/10/21 11:38	04/10/21 17:16	1
Toluene	<0.398	U	0.398		mg/Kg		04/12/21 09:00	04/12/21 17:11	200
Ethylbenzene	2.52		0.398		mg/Kg		04/12/21 09:00	04/12/21 17:11	200
m-Xylene & p-Xylene	19.5		0.795		mg/Kg		04/12/21 09:00	04/12/21 17:11	200
o-Xylene	6.24		0.398		mg/Kg		04/12/21 09:00	04/12/21 17:11	200
Xylenes, Total	25.7		0.795		mg/Kg		04/12/21 09:00	04/12/21 17:11	200
Total BTEX	28.3		0.398		mg/Kg		04/12/21 09:00	04/12/21 17:11	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	2139	S1+	70 - 130	04/10/21 11:38	04/10/21 17:16	1
1,4-Difluorobenzene (Surr)	90		70 - 130	04/10/21 11:38	04/10/21 17:16	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	1480		50.0		mg/Kg		04/09/21 08:52	04/09/21 16:40	1
Diesel Range Organics (Over C10-C28)	1850		50.0		mg/Kg		04/09/21 08:52	04/09/21 16:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/09/21 08:52	04/09/21 16:40	1
Total TPH	3330		50.0		mg/Kg		04/09/21 08:52	04/09/21 16:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	04/09/21 08:52	04/09/21 16:40	1
o-Terphenyl	87		70 - 130	04/09/21 08:52	04/09/21 16:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.49		5.05		mg/Kg			04/14/21 17:07	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Client Sample ID: T-1 (10')

Lab Sample ID: 880-1143-10

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/10/21 11:38	04/10/21 17:36	1
Toluene	0.0162		0.00199		mg/Kg		04/10/21 11:38	04/10/21 17:36	1
Ethylbenzene	0.359		0.00199		mg/Kg		04/10/21 11:38	04/10/21 17:36	1
m-Xylene & p-Xylene	<0.400	U	0.400		mg/Kg		04/12/21 09:00	04/12/21 17:31	100
o-Xylene	<0.200	U	0.200		mg/Kg		04/12/21 09:00	04/12/21 17:31	100
Xylenes, Total	<0.400	U	0.400		mg/Kg		04/12/21 09:00	04/12/21 17:31	100
Total BTEX	<0.200	U	0.200		mg/Kg		04/12/21 09:00	04/12/21 17:31	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	374	S1+	70 - 130	04/10/21 11:38	04/10/21 17:36	1
1,4-Difluorobenzene (Surr)	104		70 - 130	04/10/21 11:38	04/10/21 17:36	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	448		49.9		mg/Kg		04/09/21 08:52	04/09/21 17:07	1
Diesel Range Organics (Over C10-C28)	1040		49.9		mg/Kg		04/09/21 08:52	04/09/21 17:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/09/21 08:52	04/09/21 17:07	1
Total TPH	1490		49.9		mg/Kg		04/09/21 08:52	04/09/21 17:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	04/09/21 08:52	04/09/21 17:07	1
o-Terphenyl	83		70 - 130	04/09/21 08:52	04/09/21 17:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.39		5.02		mg/Kg			04/14/21 17:13	1

Client Sample ID: T-1 (11')

Lab Sample ID: 880-1143-11

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.33		0.0402		mg/Kg		04/10/21 11:38	04/10/21 19:18	20
Toluene	3.54		0.0402		mg/Kg		04/10/21 11:38	04/10/21 19:18	20
Ethylbenzene	2.55		0.399		mg/Kg		04/12/21 09:00	04/12/21 17:52	200
m-Xylene & p-Xylene	17.9		0.798		mg/Kg		04/12/21 09:00	04/12/21 17:52	200
o-Xylene	0.597		0.0402		mg/Kg		04/10/21 11:38	04/10/21 19:18	20
Xylenes, Total	23.3		0.798		mg/Kg		04/12/21 09:00	04/12/21 17:52	200
Total BTEX	27.4		0.399		mg/Kg		04/12/21 09:00	04/12/21 17:52	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	04/10/21 11:38	04/10/21 19:18	20
1,4-Difluorobenzene (Surr)	75		70 - 130	04/10/21 11:38	04/10/21 19:18	20

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	2490		49.8		mg/Kg		04/09/21 08:52	04/09/21 18:11	1

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Client Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Client Sample ID: T-1 (11')

Lab Sample ID: 880-1143-11

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

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)	1660		49.8		mg/Kg		04/09/21 08:52	04/09/21 18:11	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/09/21 08:52	04/09/21 18:11	1
Total TPH	4150		49.8		mg/Kg		04/09/21 08:52	04/09/21 18:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				04/09/21 08:52	04/09/21 18:11	1
o-Terphenyl	90		70 - 130				04/09/21 08:52	04/09/21 18:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.6		4.99		mg/Kg			04/14/21 17:19	1

Client Sample ID: T-1 (12')

Lab Sample ID: 880-1143-12

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/21 11:38	04/10/21 17:57	1
Toluene	0.00261		0.00200		mg/Kg		04/10/21 11:38	04/10/21 17:57	1
Ethylbenzene	0.106		0.00200		mg/Kg		04/10/21 11:38	04/10/21 17:57	1
m-Xylene & p-Xylene	0.662		0.00399		mg/Kg		04/10/21 11:38	04/10/21 17:57	1
o-Xylene	0.284		0.00200		mg/Kg		04/10/21 11:38	04/10/21 17:57	1
Xylenes, Total	0.946		0.00399		mg/Kg		04/10/21 11:38	04/10/21 17:57	1
Total BTEX	1.05		0.00200		mg/Kg		04/10/21 11:38	04/10/21 17:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	182	S1+	70 - 130				04/10/21 11:38	04/10/21 17:57	1
1,4-Difluorobenzene (Surr)	96		70 - 130				04/10/21 11:38	04/10/21 17:57	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	220		50.0		mg/Kg		04/09/21 08:52	04/09/21 18:37	1
Diesel Range Organics (Over C10-C28)	771		50.0		mg/Kg		04/09/21 08:52	04/09/21 18:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/09/21 08:52	04/09/21 18:37	1
Total TPH	991		50.0		mg/Kg		04/09/21 08:52	04/09/21 18:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				04/09/21 08:52	04/09/21 18:37	1
o-Terphenyl	91		70 - 130				04/09/21 08:52	04/09/21 18:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.51		4.97		mg/Kg			04/14/21 17:37	1

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Client Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Client Sample ID: T-1 (13')

Lab Sample ID: 880-1143-13

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/10/21 11:38	04/10/21 18:17	1
Toluene	0.0871		0.00201		mg/Kg		04/10/21 11:38	04/10/21 18:17	1
Ethylbenzene	0.236		0.198		mg/Kg		04/12/21 09:00	04/12/21 18:12	100
m-Xylene & p-Xylene	1.64		0.397		mg/Kg		04/12/21 09:00	04/12/21 18:12	100
o-Xylene	0.951		0.198		mg/Kg		04/12/21 09:00	04/12/21 18:12	100
Xylenes, Total	2.59		0.397		mg/Kg		04/12/21 09:00	04/12/21 18:12	100
Total BTEX	2.83		0.198		mg/Kg		04/12/21 09:00	04/12/21 18:12	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	379	S1+	70 - 130	04/10/21 11:38	04/10/21 18:17	1
1,4-Difluorobenzene (Surr)	106		70 - 130	04/10/21 11:38	04/10/21 18:17	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	429		50.0		mg/Kg		04/09/21 08:52	04/09/21 18:58	1
Diesel Range Organics (Over C10-C28)	986		50.0		mg/Kg		04/09/21 08:52	04/09/21 18:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/09/21 08:52	04/09/21 18:58	1
Total TPH	1420		50.0		mg/Kg		04/09/21 08:52	04/09/21 18:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	04/09/21 08:52	04/09/21 18:58	1
o-Terphenyl	93		70 - 130	04/09/21 08:52	04/09/21 18:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.23		4.95		mg/Kg			04/14/21 17:43	1

Client Sample ID: T-1 (14')

Lab Sample ID: 880-1143-14

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0474		0.0403		mg/Kg		04/10/21 11:38	04/10/21 19:39	20
Toluene	0.436		0.0403		mg/Kg		04/10/21 11:38	04/10/21 19:39	20
Ethylbenzene	2.26		0.0403		mg/Kg		04/10/21 11:38	04/10/21 19:39	20
m-Xylene & p-Xylene	13.8		0.0806		mg/Kg		04/10/21 11:38	04/10/21 19:39	20
o-Xylene	4.27		0.0403		mg/Kg		04/10/21 11:38	04/10/21 19:39	20
Xylenes, Total	18.1		0.0806		mg/Kg		04/10/21 11:38	04/10/21 19:39	20
Total BTEX	20.8		0.0403		mg/Kg		04/10/21 11:38	04/10/21 19:39	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	289	S1+	70 - 130	04/10/21 11:38	04/10/21 19:39	20
1,4-Difluorobenzene (Surr)	101		70 - 130	04/10/21 11:38	04/10/21 19:39	20

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	635		50.0		mg/Kg		04/09/21 08:52	04/09/21 19:19	1

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Client Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Client Sample ID: T-1 (14')

Lab Sample ID: 880-1143-14

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

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)	1080		50.0		mg/Kg		04/09/21 08:52	04/09/21 19:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/09/21 08:52	04/09/21 19:19	1
Total TPH	1720		50.0		mg/Kg		04/09/21 08:52	04/09/21 19:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	04/09/21 08:52	04/09/21 19:19	1
o-Terphenyl	99		70 - 130	04/09/21 08:52	04/09/21 19:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.5		4.95		mg/Kg			04/14/21 17:49	1

Client Sample ID: T-2 (0-1') HA-11-4)

Lab Sample ID: 880-1143-15

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/10/21 11:38	04/10/21 18:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/10/21 11:38	04/10/21 18:38	1
Ethylbenzene	0.00305		0.00199		mg/Kg		04/10/21 11:38	04/10/21 18:38	1
m-Xylene & p-Xylene	0.0220		0.00398		mg/Kg		04/10/21 11:38	04/10/21 18:38	1
o-Xylene	0.00848		0.00199		mg/Kg		04/10/21 11:38	04/10/21 18:38	1
Xylenes, Total	0.0305		0.00398		mg/Kg		04/10/21 11:38	04/10/21 18:38	1
Total BTEX	0.0335		0.00199		mg/Kg		04/10/21 11:38	04/10/21 18:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	04/10/21 11:38	04/10/21 18:38	1
1,4-Difluorobenzene (Surr)	111		70 - 130	04/10/21 11:38	04/10/21 18:38	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		mg/Kg		04/09/21 08:52	04/09/21 19:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/09/21 08:52	04/09/21 19:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/09/21 08:52	04/09/21 19:40	1
Total TPH	<49.9	U	49.9		mg/Kg		04/09/21 08:52	04/09/21 19:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	04/09/21 08:52	04/09/21 19:40	1
o-Terphenyl	100		70 - 130	04/09/21 08:52	04/09/21 19:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.73		5.04		mg/Kg			04/14/21 17:56	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Client Sample ID: T-2 (2')

Lab Sample ID: 880-1143-16

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/21 11:38	04/10/21 18:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/10/21 11:38	04/10/21 18:58	1
Ethylbenzene	0.0295		0.00200		mg/Kg		04/10/21 11:38	04/10/21 18:58	1
m-Xylene & p-Xylene	0.0564		0.00399		mg/Kg		04/10/21 11:38	04/10/21 18:58	1
o-Xylene	0.0152		0.00200		mg/Kg		04/10/21 11:38	04/10/21 18:58	1
Xylenes, Total	0.0716		0.00399		mg/Kg		04/10/21 11:38	04/10/21 18:58	1
Total BTEX	0.101		0.00200		mg/Kg		04/10/21 11:38	04/10/21 18:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	149	S1+	70 - 130	04/10/21 11:38	04/10/21 18:58	1
1,4-Difluorobenzene (Surr)	106		70 - 130	04/10/21 11:38	04/10/21 18:58	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	122		49.8		mg/Kg		04/09/21 08:52	04/09/21 20:02	1
Diesel Range Organics (Over C10-C28)	760		49.8		mg/Kg		04/09/21 08:52	04/09/21 20:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/09/21 08:52	04/09/21 20:02	1
Total TPH	882		49.8		mg/Kg		04/09/21 08:52	04/09/21 20:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	04/09/21 08:52	04/09/21 20:02	1
o-Terphenyl	93		70 - 130	04/09/21 08:52	04/09/21 20:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.7		5.03		mg/Kg			04/14/21 18:02	1

Client Sample ID: T-2 (3')

Lab Sample ID: 880-1143-17

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/10/21 11:38	04/10/21 21:01	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/10/21 11:38	04/10/21 21:01	1
Ethylbenzene	0.0298		0.00202		mg/Kg		04/10/21 11:38	04/10/21 21:01	1
m-Xylene & p-Xylene	0.0339		0.00403		mg/Kg		04/10/21 11:38	04/10/21 21:01	1
o-Xylene	0.00930		0.00202		mg/Kg		04/10/21 11:38	04/10/21 21:01	1
Xylenes, Total	0.0432		0.00403		mg/Kg		04/10/21 11:38	04/10/21 21:01	1
Total BTEX	0.0730		0.00202		mg/Kg		04/10/21 11:38	04/10/21 21:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130	04/10/21 11:38	04/10/21 21:01	1
1,4-Difluorobenzene (Surr)	108		70 - 130	04/10/21 11:38	04/10/21 21:01	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	83.3		49.9		mg/Kg		04/09/21 08:52	04/09/21 20:23	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Client Sample ID: T-2 (3')

Lab Sample ID: 880-1143-17

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

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)	566		49.9		mg/Kg		04/09/21 08:52	04/09/21 20:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/09/21 08:52	04/09/21 20:23	1
Total TPH	649		49.9		mg/Kg		04/09/21 08:52	04/09/21 20:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				04/09/21 08:52	04/09/21 20:23	1
o-Terphenyl	98		70 - 130				04/09/21 08:52	04/09/21 20:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.4		5.00		mg/Kg			04/14/21 18:08	1

Client Sample ID: T-2 (4')

Lab Sample ID: 880-1143-18

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/10/21 11:38	04/10/21 21:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/10/21 11:38	04/10/21 21:22	1
Ethylbenzene	0.0847		0.00201		mg/Kg		04/10/21 11:38	04/10/21 21:22	1
m-Xylene & p-Xylene	0.125		0.00402		mg/Kg		04/10/21 11:38	04/10/21 21:22	1
o-Xylene	0.0333		0.00201		mg/Kg		04/10/21 11:38	04/10/21 21:22	1
Xylenes, Total	0.158		0.00402		mg/Kg		04/10/21 11:38	04/10/21 21:22	1
Total BTEX	0.243		0.00201		mg/Kg		04/10/21 11:38	04/10/21 21:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	254	S1+	70 - 130				04/10/21 11:38	04/10/21 21:22	1
1,4-Difluorobenzene (Surr)	106		70 - 130				04/10/21 11:38	04/10/21 21:22	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	232		50.0		mg/Kg		04/09/21 08:52	04/09/21 20:44	1
Diesel Range Organics (Over C10-C28)	948		50.0		mg/Kg		04/09/21 08:52	04/09/21 20:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/09/21 08:52	04/09/21 20:44	1
Total TPH	1180		50.0		mg/Kg		04/09/21 08:52	04/09/21 20:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				04/09/21 08:52	04/09/21 20:44	1
o-Terphenyl	84		70 - 130				04/09/21 08:52	04/09/21 20:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.6		4.98		mg/Kg			04/14/21 18:26	1

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Client Sample Results

Client: NT Global

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1

SDG: Eddy County, NM

Client Sample ID: T-2 (5')

Lab Sample ID: 880-1143-19

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/21 11:38	04/10/21 21:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/10/21 11:38	04/10/21 21:42	1
Ethylbenzene	0.0593		0.00200		mg/Kg		04/10/21 11:38	04/10/21 21:42	1
m-Xylene & p-Xylene	0.0813		0.00401		mg/Kg		04/10/21 11:38	04/10/21 21:42	1
o-Xylene	0.0237		0.00200		mg/Kg		04/10/21 11:38	04/10/21 21:42	1
Xylenes, Total	0.105		0.00401		mg/Kg		04/10/21 11:38	04/10/21 21:42	1
Total BTEX	0.164		0.00200		mg/Kg		04/10/21 11:38	04/10/21 21:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	163	S1+	70 - 130	04/10/21 11:38	04/10/21 21:42	1
1,4-Difluorobenzene (Surr)	104		70 - 130	04/10/21 11:38	04/10/21 21:42	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	1230		50.1		mg/Kg		04/09/21 08:52	04/09/21 21:05	1
Diesel Range Organics (Over C10-C28)	1000		50.1		mg/Kg		04/09/21 08:52	04/09/21 21:05	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/09/21 08:52	04/09/21 21:05	1
Total TPH	2230		50.1		mg/Kg		04/09/21 08:52	04/09/21 21:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	04/09/21 08:52	04/09/21 21:05	1
o-Terphenyl	102		70 - 130	04/09/21 08:52	04/09/21 21:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.0		4.96		mg/Kg			04/14/21 18:32	1

Client Sample ID: T-2 (6')

Lab Sample ID: 880-1143-20

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/10/21 11:38	04/10/21 22:02	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/10/21 11:38	04/10/21 22:02	1
Ethylbenzene	0.00333		0.00202		mg/Kg		04/10/21 11:38	04/10/21 22:02	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/10/21 11:38	04/10/21 22:02	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/10/21 11:38	04/10/21 22:02	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/10/21 11:38	04/10/21 22:02	1
Total BTEX	0.00333		0.00202		mg/Kg		04/10/21 11:38	04/10/21 22:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	04/10/21 11:38	04/10/21 22:02	1
1,4-Difluorobenzene (Surr)	109		70 - 130	04/10/21 11:38	04/10/21 22:02	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	<50.1	U	50.1		mg/Kg		04/09/21 08:52	04/09/21 21:26	1

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Client Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Client Sample ID: T-2 (6')

Lab Sample ID: 880-1143-20

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

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)	<50.1	U	50.1		mg/Kg		04/09/21 08:52	04/09/21 21:26	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/09/21 08:52	04/09/21 21:26	1
Total TPH	<50.1	U	50.1		mg/Kg		04/09/21 08:52	04/09/21 21:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				04/09/21 08:52	04/09/21 21:26	1
o-Terphenyl	91		70 - 130				04/09/21 08:52	04/09/21 21:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.6		4.99		mg/Kg			04/14/21 18:51	1

Client Sample ID: T-2 (7')

Lab Sample ID: 880-1143-21

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/10/21 11:38	04/10/21 22:23	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/10/21 11:38	04/10/21 22:23	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/10/21 11:38	04/10/21 22:23	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/10/21 11:38	04/10/21 22:23	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/10/21 11:38	04/10/21 22:23	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/10/21 11:38	04/10/21 22:23	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		04/10/21 11:38	04/10/21 22:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130				04/10/21 11:38	04/10/21 22:23	1
1,4-Difluorobenzene (Surr)	110		70 - 130				04/10/21 11:38	04/10/21 22:23	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	88.9		49.9		mg/Kg		04/09/21 09:11	04/09/21 13:06	1
Diesel Range Organics (Over C10-C28)	117		49.9		mg/Kg		04/09/21 09:11	04/09/21 13:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/09/21 09:11	04/09/21 13:06	1
Total TPH	206		49.9		mg/Kg		04/09/21 09:11	04/09/21 13:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				04/09/21 09:11	04/09/21 13:06	1
o-Terphenyl	100		70 - 130				04/09/21 09:11	04/09/21 13:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.4		4.97		mg/Kg			04/14/21 18:57	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1

SDG: Eddy County, NM

Client Sample ID: T-2 (8')

Lab Sample ID: 880-1143-22

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/21 11:38	04/10/21 22:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/10/21 11:38	04/10/21 22:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/10/21 11:38	04/10/21 22:43	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/10/21 11:38	04/10/21 22:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/10/21 11:38	04/10/21 22:43	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/10/21 11:38	04/10/21 22:43	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/10/21 11:38	04/10/21 22:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	04/10/21 11:38	04/10/21 22:43	1
1,4-Difluorobenzene (Surr)	116		70 - 130	04/10/21 11:38	04/10/21 22:43	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	71.8		49.9		mg/Kg		04/09/21 09:11	04/09/21 14:10	1
Diesel Range Organics (Over C10-C28)	75.9		49.9		mg/Kg		04/09/21 09:11	04/09/21 14:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/09/21 09:11	04/09/21 14:10	1
Total TPH	148		49.9		mg/Kg		04/09/21 09:11	04/09/21 14:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	04/09/21 09:11	04/09/21 14:10	1
o-Terphenyl	105		70 - 130	04/09/21 09:11	04/09/21 14:10	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.2		5.00		mg/Kg			04/14/21 19:03	1

Client Sample ID: T-2 (9')

Lab Sample ID: 880-1143-23

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.273		0.0399		mg/Kg		04/10/21 11:38	04/10/21 23:44	20
Toluene	0.934		0.0399		mg/Kg		04/10/21 11:38	04/10/21 23:44	20
Ethylbenzene	2.48		0.0399		mg/Kg		04/10/21 11:38	04/10/21 23:44	20
m-Xylene & p-Xylene	14.6		0.0798		mg/Kg		04/10/21 11:38	04/10/21 23:44	20
o-Xylene	4.48		0.0399		mg/Kg		04/10/21 11:38	04/10/21 23:44	20
Xylenes, Total	19.1		0.0798		mg/Kg		04/10/21 11:38	04/10/21 23:44	20
Total BTEX	22.8		0.0399		mg/Kg		04/10/21 11:38	04/10/21 23:44	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	255	S1+	70 - 130	04/10/21 11:38	04/10/21 23:44	20
1,4-Difluorobenzene (Surr)	16	S1-	70 - 130	04/10/21 11:38	04/10/21 23:44	20

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	737		49.8		mg/Kg		04/09/21 09:11	04/09/21 14:32	1

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Client Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Client Sample ID: T-2 (9')

Lab Sample ID: 880-1143-23

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

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)	502		49.8		mg/Kg		04/09/21 09:11	04/09/21 14:32	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/09/21 09:11	04/09/21 14:32	1
Total TPH	1240		49.8		mg/Kg		04/09/21 09:11	04/09/21 14:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				04/09/21 09:11	04/09/21 14:32	1
o-Terphenyl	103		70 - 130				04/09/21 09:11	04/09/21 14:32	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.0		5.01		mg/Kg			04/14/21 19:09	1

Client Sample ID: T-2 (10')

Lab Sample ID: 880-1143-24

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.55		0.0398		mg/Kg		04/10/21 11:38	04/11/21 00:05	20
Toluene	1.15		0.0398		mg/Kg		04/10/21 11:38	04/11/21 00:05	20
Ethylbenzene	2.93		0.0398		mg/Kg		04/10/21 11:38	04/11/21 00:05	20
m-Xylene & p-Xylene	<0.797	U	0.797		mg/Kg		04/12/21 09:00	04/12/21 20:03	200
o-Xylene	0.146		0.0398		mg/Kg		04/10/21 11:38	04/11/21 00:05	20
Xylenes, Total	<0.797	U	0.797		mg/Kg		04/12/21 09:00	04/12/21 20:03	200
Total BTEX	<0.398	U	0.398		mg/Kg		04/12/21 09:00	04/12/21 20:03	200
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				04/10/21 11:38	04/11/21 00:05	20
1,4-Difluorobenzene (Surr)	57	S1-	70 - 130				04/10/21 11:38	04/11/21 00:05	20

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	3750		49.9		mg/Kg		04/09/21 09:11	04/09/21 14:53	1
Diesel Range Organics (Over C10-C28)	1720		49.9		mg/Kg		04/09/21 09:11	04/09/21 14:53	1
Oil Range Organics (Over C28-C36)	164		49.9		mg/Kg		04/09/21 09:11	04/09/21 14:53	1
Total TPH	5630		49.9		mg/Kg		04/09/21 09:11	04/09/21 14:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				04/09/21 09:11	04/09/21 14:53	1
o-Terphenyl	108		70 - 130				04/09/21 09:11	04/09/21 14:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.9		5.01		mg/Kg			04/14/21 19:15	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

Client Sample ID: T-3 (0-1') (SS-12-3)

Lab Sample ID: 880-1143-25

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/21 11:38	04/10/21 23:04	1
Toluene	0.00545		0.00200		mg/Kg		04/10/21 11:38	04/10/21 23:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/10/21 11:38	04/10/21 23:04	1
m-Xylene & p-Xylene	0.00425		0.00401		mg/Kg		04/10/21 11:38	04/10/21 23:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/10/21 11:38	04/10/21 23:04	1
Xylenes, Total	0.00425		0.00401		mg/Kg		04/10/21 11:38	04/10/21 23:04	1
Total BTEX	0.00970		0.00200		mg/Kg		04/10/21 11:38	04/10/21 23:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	04/10/21 11:38	04/10/21 23:04	1
1,4-Difluorobenzene (Surr)	109		70 - 130	04/10/21 11:38	04/10/21 23:04	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	84.2		49.9		mg/Kg		04/09/21 09:11	04/09/21 15:14	1
Diesel Range Organics (Over C10-C28)	526		49.9		mg/Kg		04/09/21 09:11	04/09/21 15:14	1
Oil Range Organics (Over C28-C36)	107		49.9		mg/Kg		04/09/21 09:11	04/09/21 15:14	1
Total TPH	717		49.9		mg/Kg		04/09/21 09:11	04/09/21 15:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	04/09/21 09:11	04/09/21 15:14	1
o-Terphenyl	105		70 - 130	04/09/21 09:11	04/09/21 15:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.5		5.03		mg/Kg			04/14/21 19:21	1

Client Sample ID: T-3 (2')

Lab Sample ID: 880-1143-26

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/10/21 11:38	04/10/21 23:24	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/10/21 11:38	04/10/21 23:24	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/10/21 11:38	04/10/21 23:24	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/10/21 11:38	04/10/21 23:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/10/21 11:38	04/10/21 23:24	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/10/21 11:38	04/10/21 23:24	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		04/10/21 11:38	04/10/21 23:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	04/10/21 11:38	04/10/21 23:24	1
1,4-Difluorobenzene (Surr)	104		70 - 130	04/10/21 11:38	04/10/21 23:24	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	62.1		49.9		mg/Kg		04/09/21 09:11	04/09/21 15:36	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Client Sample ID: T-3 (2')

Lab Sample ID: 880-1143-26

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

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)	194		49.9		mg/Kg		04/09/21 09:11	04/09/21 15:36	1
Oil Range Organics (Over C28-C36)	50.4		49.9		mg/Kg		04/09/21 09:11	04/09/21 15:36	1
Total TPH	307		49.9		mg/Kg		04/09/21 09:11	04/09/21 15:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	04/09/21 09:11	04/09/21 15:36	1
o-Terphenyl	102		70 - 130	04/09/21 09:11	04/09/21 15:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.4		5.02		mg/Kg			04/14/21 19:27	1

Client Sample ID: T-3(3')

Lab Sample ID: 880-1143-27

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/21 12:15	04/11/21 03:07	1
Toluene	0.00895		0.00200		mg/Kg		04/10/21 12:15	04/11/21 03:07	1
Ethylbenzene	0.00530		0.00200		mg/Kg		04/10/21 12:15	04/11/21 03:07	1
m-Xylene & p-Xylene	0.0309		0.00401		mg/Kg		04/10/21 12:15	04/11/21 03:07	1
o-Xylene	0.00268		0.00200		mg/Kg		04/10/21 12:15	04/11/21 03:07	1
Xylenes, Total	0.0336		0.00401		mg/Kg		04/10/21 12:15	04/11/21 03:07	1
Total BTEX	0.0478		0.00200		mg/Kg		04/10/21 12:15	04/11/21 03:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	155	S1+	70 - 130	04/10/21 12:15	04/11/21 03:07	1
1,4-Difluorobenzene (Surr)	87		70 - 130	04/10/21 12:15	04/11/21 03:07	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	162		50.0		mg/Kg		04/09/21 09:11	04/09/21 15:57	1
Diesel Range Organics (Over C10-C28)	1310		50.0		mg/Kg		04/09/21 09:11	04/09/21 15:57	1
Oil Range Organics (Over C28-C36)	137		50.0		mg/Kg		04/09/21 09:11	04/09/21 15:57	1
Total TPH	1610		50.0		mg/Kg		04/09/21 09:11	04/09/21 15:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	04/09/21 09:11	04/09/21 15:57	1
o-Terphenyl	103		70 - 130	04/09/21 09:11	04/09/21 15:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.63		4.98		mg/Kg			04/13/21 15:05	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Client Sample ID: T-3 (4')

Lab Sample ID: 880-1143-28

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/10/21 12:15	04/11/21 03:28	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/10/21 12:15	04/11/21 03:28	1
Ethylbenzene	0.0249		0.00202		mg/Kg		04/10/21 12:15	04/11/21 03:28	1
m-Xylene & p-Xylene	0.0481		0.00404		mg/Kg		04/10/21 12:15	04/11/21 03:28	1
o-Xylene	0.0148		0.00202		mg/Kg		04/10/21 12:15	04/11/21 03:28	1
Xylenes, Total	0.0629		0.00404		mg/Kg		04/10/21 12:15	04/11/21 03:28	1
Total BTEX	0.0878		0.00202		mg/Kg		04/10/21 12:15	04/11/21 03:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	150	S1+	70 - 130	04/10/21 12:15	04/11/21 03:28	1
1,4-Difluorobenzene (Surr)	105		70 - 130	04/10/21 12:15	04/11/21 03:28	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	88.6		50.0		mg/Kg		04/09/21 09:11	04/09/21 16:19	1
Diesel Range Organics (Over C10-C28)	815		50.0		mg/Kg		04/09/21 09:11	04/09/21 16:19	1
Oil Range Organics (Over C28-C36)	82.5		50.0		mg/Kg		04/09/21 09:11	04/09/21 16:19	1
Total TPH	986		50.0		mg/Kg		04/09/21 09:11	04/09/21 16:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	04/09/21 09:11	04/09/21 16:19	1
o-Terphenyl	103		70 - 130	04/09/21 09:11	04/09/21 16:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.58		5.04		mg/Kg			04/13/21 15:21	1

Client Sample ID: T-3 (5')

Lab Sample ID: 880-1143-29

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/10/21 12:15	04/11/21 03:48	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/10/21 12:15	04/11/21 03:48	1
Ethylbenzene	0.144		0.00202		mg/Kg		04/10/21 12:15	04/11/21 03:48	1
m-Xylene & p-Xylene	0.127		0.00403		mg/Kg		04/10/21 12:15	04/11/21 03:48	1
o-Xylene	0.0423		0.00202		mg/Kg		04/10/21 12:15	04/11/21 03:48	1
Xylenes, Total	0.169		0.00403		mg/Kg		04/10/21 12:15	04/11/21 03:48	1
Total BTEX	0.313		0.00202		mg/Kg		04/10/21 12:15	04/11/21 03:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	296	S1+	70 - 130	04/10/21 12:15	04/11/21 03:48	1
1,4-Difluorobenzene (Surr)	105		70 - 130	04/10/21 12:15	04/11/21 03:48	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	206		50.0		mg/Kg		04/09/21 09:11	04/09/21 16:40	1

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Client Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Client Sample ID: T-3 (5')

Lab Sample ID: 880-1143-29

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

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)	879		50.0		mg/Kg		04/09/21 09:11	04/09/21 16:40	1
Oil Range Organics (Over C28-C36)	80.5		50.0		mg/Kg		04/09/21 09:11	04/09/21 16:40	1
Total TPH	1170		50.0		mg/Kg		04/09/21 09:11	04/09/21 16:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	04/09/21 09:11	04/09/21 16:40	1
o-Terphenyl	98		70 - 130	04/09/21 09:11	04/09/21 16:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.05	U	5.05		mg/Kg			04/13/21 15:27	1

Client Sample ID: T-3 (6')

Lab Sample ID: 880-1143-30

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/21 12:15	04/11/21 04:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/10/21 12:15	04/11/21 04:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/10/21 12:15	04/11/21 04:09	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/10/21 12:15	04/11/21 04:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/10/21 12:15	04/11/21 04:09	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/10/21 12:15	04/11/21 04:09	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/10/21 12:15	04/11/21 04:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130	04/10/21 12:15	04/11/21 04:09	1
1,4-Difluorobenzene (Surr)	95		70 - 130	04/10/21 12:15	04/11/21 04:09	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	71.9		49.9		mg/Kg		04/09/21 09:11	04/09/21 17:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/09/21 09:11	04/09/21 17:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/09/21 09:11	04/09/21 17:07	1
Total TPH	71.9		49.9		mg/Kg		04/09/21 09:11	04/09/21 17:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	04/09/21 09:11	04/09/21 17:07	1
o-Terphenyl	99		70 - 130	04/09/21 09:11	04/09/21 17:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			04/13/21 15:32	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Client Sample ID: T-3 (7')

Lab Sample ID: 880-1143-31

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/21 12:15	04/11/21 04:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/10/21 12:15	04/11/21 04:29	1
Ethylbenzene	0.0444		0.00200		mg/Kg		04/10/21 12:15	04/11/21 04:29	1
m-Xylene & p-Xylene	0.0257		0.00399		mg/Kg		04/10/21 12:15	04/11/21 04:29	1
o-Xylene	0.0185		0.00200		mg/Kg		04/10/21 12:15	04/11/21 04:29	1
Xylenes, Total	0.0442		0.00399		mg/Kg		04/10/21 12:15	04/11/21 04:29	1
Total BTEX	0.0886		0.00200		mg/Kg		04/10/21 12:15	04/11/21 04:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	154	S1+	70 - 130	04/10/21 12:15	04/11/21 04:29	1
1,4-Difluorobenzene (Surr)	105		70 - 130	04/10/21 12:15	04/11/21 04:29	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	102		49.8		mg/Kg		04/09/21 09:11	04/09/21 18:11	1
Diesel Range Organics (Over C10-C28)	414		49.8		mg/Kg		04/09/21 09:11	04/09/21 18:11	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/09/21 09:11	04/09/21 18:11	1
Total TPH	516		49.8		mg/Kg		04/09/21 09:11	04/09/21 18:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	04/09/21 09:11	04/09/21 18:11	1
o-Terphenyl	104		70 - 130	04/09/21 09:11	04/09/21 18:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95		mg/Kg			04/13/21 15:38	1

Client Sample ID: T-3 (8')

Lab Sample ID: 880-1143-32

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/10/21 12:15	04/11/21 04:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/10/21 12:15	04/11/21 04:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/10/21 12:15	04/11/21 04:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/10/21 12:15	04/11/21 04:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/10/21 12:15	04/11/21 04:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/10/21 12:15	04/11/21 04:49	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		04/10/21 12:15	04/11/21 04:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	04/10/21 12:15	04/11/21 04:49	1
1,4-Difluorobenzene (Surr)	108		70 - 130	04/10/21 12:15	04/11/21 04:49	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	60.7		50.0		mg/Kg		04/09/21 09:11	04/09/21 18:37	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1

SDG: Eddy County, NM

Client Sample ID: T-3 (8')

Lab Sample ID: 880-1143-32

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

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		mg/Kg		04/09/21 09:11	04/09/21 18:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/09/21 09:11	04/09/21 18:37	1
Total TPH	60.7		50.0		mg/Kg		04/09/21 09:11	04/09/21 18:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				04/09/21 09:11	04/09/21 18:37	1
o-Terphenyl	104		70 - 130				04/09/21 09:11	04/09/21 18:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95		mg/Kg			04/13/21 15:55	1

Client Sample ID: T-3 (9')

Lab Sample ID: 880-1143-33

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/10/21 12:15	04/11/21 05:10	1
Toluene	0.0299		0.00199		mg/Kg		04/10/21 12:15	04/11/21 05:10	1
Ethylbenzene	0.284		0.00199		mg/Kg		04/10/21 12:15	04/11/21 05:10	1
m-Xylene & p-Xylene	36.4		0.398		mg/Kg		04/12/21 09:00	04/12/21 20:23	100
o-Xylene	14.5		0.199		mg/Kg		04/12/21 09:00	04/12/21 20:23	100
Xylenes, Total	50.9		0.398		mg/Kg		04/12/21 09:00	04/12/21 20:23	100
Total BTEX	60.4		0.199		mg/Kg		04/12/21 09:00	04/12/21 20:23	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	254	S1+	70 - 130				04/10/21 12:15	04/11/21 05:10	1
1,4-Difluorobenzene (Surr)	96		70 - 130				04/10/21 12:15	04/11/21 05:10	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	616		50.0		mg/Kg		04/09/21 09:11	04/09/21 18:58	1
Diesel Range Organics (Over C10-C28)	1020		50.0		mg/Kg		04/09/21 09:11	04/09/21 18:58	1
Oil Range Organics (Over C28-C36)	104		50.0		mg/Kg		04/09/21 09:11	04/09/21 18:58	1
Total TPH	1740		50.0		mg/Kg		04/09/21 09:11	04/09/21 18:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				04/09/21 09:11	04/09/21 18:58	1
o-Terphenyl	115		70 - 130				04/09/21 09:11	04/09/21 18:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			04/13/21 16:00	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Client Sample ID: T-3 (10')

Lab Sample ID: 880-1143-34

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.295		0.100		mg/Kg		04/10/21 12:15	04/11/21 06:11	50
Toluene	28.3		0.200		mg/Kg		04/12/21 09:00	04/12/21 20:43	100
Ethylbenzene	6.50		0.100		mg/Kg		04/10/21 12:15	04/11/21 06:11	50
m-Xylene & p-Xylene	39.5		0.200		mg/Kg		04/10/21 12:15	04/11/21 06:11	50
o-Xylene	10.8		0.100		mg/Kg		04/10/21 12:15	04/11/21 06:11	50
Xylenes, Total	50.3		0.200		mg/Kg		04/10/21 12:15	04/11/21 06:11	50
Total BTEX	139		0.200		mg/Kg		04/12/21 09:00	04/12/21 20:43	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	179	S1+	70 - 130	04/10/21 12:15	04/11/21 06:11	50
1,4-Difluorobenzene (Surr)	105		70 - 130	04/10/21 12:15	04/11/21 06:11	50

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	5360		50.0		mg/Kg		04/09/21 09:11	04/09/21 19:19	1
Diesel Range Organics (Over C10-C28)	3150		50.0		mg/Kg		04/09/21 09:11	04/09/21 19:19	1
Oil Range Organics (Over C28-C36)	293		50.0		mg/Kg		04/09/21 09:11	04/09/21 19:19	1
Total TPH	8800		50.0		mg/Kg		04/09/21 09:11	04/09/21 19:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130	04/09/21 09:11	04/09/21 19:19	1
o-Terphenyl	113		70 - 130	04/09/21 09:11	04/09/21 19:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.94		4.99		mg/Kg			04/13/21 16:06	1

Client Sample ID: T-4 (0-1') (HA-11-3)

Lab Sample ID: 880-1143-35

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/10/21 12:15	04/11/21 05:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/10/21 12:15	04/11/21 05:30	1
Ethylbenzene	0.00232		0.00201		mg/Kg		04/10/21 12:15	04/11/21 05:30	1
m-Xylene & p-Xylene	0.0120		0.00402		mg/Kg		04/10/21 12:15	04/11/21 05:30	1
o-Xylene	0.00574		0.00201		mg/Kg		04/10/21 12:15	04/11/21 05:30	1
Xylenes, Total	0.0177		0.00402		mg/Kg		04/10/21 12:15	04/11/21 05:30	1
Total BTEX	0.0201		0.00201		mg/Kg		04/10/21 12:15	04/11/21 05:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	04/10/21 12:15	04/11/21 05:30	1
1,4-Difluorobenzene (Surr)	111		70 - 130	04/10/21 12:15	04/11/21 05:30	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	71.0		49.9		mg/Kg		04/09/21 09:11	04/09/21 19:40	1

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Client Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Client Sample ID: T-4 (0-1') (HA-11-3)

Lab Sample ID: 880-1143-35

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

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)	237		49.9		mg/Kg		04/09/21 09:11	04/09/21 19:40	1
Oil Range Organics (Over C28-C36)	57.1		49.9		mg/Kg		04/09/21 09:11	04/09/21 19:40	1
Total TPH	365		49.9		mg/Kg		04/09/21 09:11	04/09/21 19:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	04/09/21 09:11	04/09/21 19:40	1
o-Terphenyl	100		70 - 130	04/09/21 09:11	04/09/21 19:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			04/13/21 16:11	1

Client Sample ID: T-4 (2')

Lab Sample ID: 880-1143-36

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/10/21 12:15	04/11/21 05:51	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/10/21 12:15	04/11/21 05:51	1
Ethylbenzene	0.0823		0.00202		mg/Kg		04/10/21 12:15	04/11/21 05:51	1
m-Xylene & p-Xylene	0.107		0.00404		mg/Kg		04/10/21 12:15	04/11/21 05:51	1
o-Xylene	0.169		0.00202		mg/Kg		04/10/21 12:15	04/11/21 05:51	1
Xylenes, Total	0.276		0.00404		mg/Kg		04/10/21 12:15	04/11/21 05:51	1
Total BTEX	0.358		0.00202		mg/Kg		04/10/21 12:15	04/11/21 05:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	194	S1+	70 - 130	04/10/21 12:15	04/11/21 05:51	1
1,4-Difluorobenzene (Surr)	103		70 - 130	04/10/21 12:15	04/11/21 05:51	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	201		49.8		mg/Kg		04/09/21 09:11	04/09/21 20:02	1
Diesel Range Organics (Over C10-C28)	1050		49.8		mg/Kg		04/09/21 09:11	04/09/21 20:02	1
Oil Range Organics (Over C28-C36)	113		49.8		mg/Kg		04/09/21 09:11	04/09/21 20:02	1
Total TPH	1360		49.8		mg/Kg		04/09/21 09:11	04/09/21 20:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	04/09/21 09:11	04/09/21 20:02	1
o-Terphenyl	93		70 - 130	04/09/21 09:11	04/09/21 20:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			04/13/21 16:17	1

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Client Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Client Sample ID: T-4 (3')

Lab Sample ID: 880-1143-37

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/21 12:15	04/11/21 07:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/10/21 12:15	04/11/21 07:33	1
Ethylbenzene	0.0224		0.00200		mg/Kg		04/10/21 12:15	04/11/21 07:33	1
m-Xylene & p-Xylene	0.0407		0.00399		mg/Kg		04/10/21 12:15	04/11/21 07:33	1
o-Xylene	0.0163		0.00200		mg/Kg		04/10/21 12:15	04/11/21 07:33	1
Xylenes, Total	0.0570		0.00399		mg/Kg		04/10/21 12:15	04/11/21 07:33	1
Total BTEX	0.0794		0.00200		mg/Kg		04/10/21 12:15	04/11/21 07:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	159	S1+	70 - 130	04/10/21 12:15	04/11/21 07:33	1
1,4-Difluorobenzene (Surr)	100		70 - 130	04/10/21 12:15	04/11/21 07:33	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	80.8		49.9		mg/Kg		04/09/21 09:11	04/09/21 20:23	1
Diesel Range Organics (Over C10-C28)	781		49.9		mg/Kg		04/09/21 09:11	04/09/21 20:23	1
Oil Range Organics (Over C28-C36)	75.6		49.9		mg/Kg		04/09/21 09:11	04/09/21 20:23	1
Total TPH	937		49.9		mg/Kg		04/09/21 09:11	04/09/21 20:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	04/09/21 09:11	04/09/21 20:23	1
o-Terphenyl	96		70 - 130	04/09/21 09:11	04/09/21 20:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.05	U	5.05		mg/Kg			04/13/21 16:22	1

Client Sample ID: T-4 (4')

Lab Sample ID: 880-1143-38

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/10/21 12:15	04/11/21 07:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/10/21 12:15	04/11/21 07:54	1
Ethylbenzene	0.0713		0.00199		mg/Kg		04/10/21 12:15	04/11/21 07:54	1
m-Xylene & p-Xylene	0.0781		0.00398		mg/Kg		04/10/21 12:15	04/11/21 07:54	1
o-Xylene	0.0280		0.00199		mg/Kg		04/10/21 12:15	04/11/21 07:54	1
Xylenes, Total	0.106		0.00398		mg/Kg		04/10/21 12:15	04/11/21 07:54	1
Total BTEX	0.177		0.00199		mg/Kg		04/10/21 12:15	04/11/21 07:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	197	S1+	70 - 130	04/10/21 12:15	04/11/21 07:54	1
1,4-Difluorobenzene (Surr)	105		70 - 130	04/10/21 12:15	04/11/21 07:54	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	190		50.0		mg/Kg		04/09/21 09:11	04/09/21 20:44	1

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Client Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Client Sample ID: T-4 (4')

Lab Sample ID: 880-1143-38

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

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)	916		50.0		mg/Kg		04/09/21 09:11	04/09/21 20:44	1
Oil Range Organics (Over C28-C36)	88.0		50.0		mg/Kg		04/09/21 09:11	04/09/21 20:44	1
Total TPH	1190		50.0		mg/Kg		04/09/21 09:11	04/09/21 20:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	04/09/21 09:11	04/09/21 20:44	1
o-Terphenyl	109		70 - 130	04/09/21 09:11	04/09/21 20:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			04/13/21 16:39	1

Client Sample ID: T-4 (5')

Lab Sample ID: 880-1143-39

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/21 12:15	04/11/21 08:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/10/21 12:15	04/11/21 08:14	1
Ethylbenzene	0.145		0.00200		mg/Kg		04/10/21 12:15	04/11/21 08:14	1
m-Xylene & p-Xylene	0.181		0.00399		mg/Kg		04/10/21 12:15	04/11/21 08:14	1
o-Xylene	0.0656		0.00200		mg/Kg		04/10/21 12:15	04/11/21 08:14	1
Xylenes, Total	0.247		0.00399		mg/Kg		04/10/21 12:15	04/11/21 08:14	1
Total BTEX	0.392		0.00200		mg/Kg		04/10/21 12:15	04/11/21 08:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	429	S1+	70 - 130	04/10/21 12:15	04/11/21 08:14	1
1,4-Difluorobenzene (Surr)	104		70 - 130	04/10/21 12:15	04/11/21 08:14	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	152		50.1		mg/Kg		04/09/21 09:11	04/09/21 21:05	1
Diesel Range Organics (Over C10-C28)	620		50.1		mg/Kg		04/09/21 09:11	04/09/21 21:05	1
Oil Range Organics (Over C28-C36)	64.8		50.1		mg/Kg		04/09/21 09:11	04/09/21 21:05	1
Total TPH	837		50.1		mg/Kg		04/09/21 09:11	04/09/21 21:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	04/09/21 09:11	04/09/21 21:05	1
o-Terphenyl	98		70 - 130	04/09/21 09:11	04/09/21 21:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			04/13/21 16:44	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Client Sample ID: T-4 (6')

Lab Sample ID: 880-1143-40

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/10/21 12:15	04/11/21 08:34	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/10/21 12:15	04/11/21 08:34	1
Ethylbenzene	0.0594		0.00198		mg/Kg		04/10/21 12:15	04/11/21 08:34	1
m-Xylene & p-Xylene	0.0652		0.00396		mg/Kg		04/10/21 12:15	04/11/21 08:34	1
o-Xylene	0.0239		0.00198		mg/Kg		04/10/21 12:15	04/11/21 08:34	1
Xylenes, Total	0.0891		0.00396		mg/Kg		04/10/21 12:15	04/11/21 08:34	1
Total BTEX	0.149		0.00198		mg/Kg		04/10/21 12:15	04/11/21 08:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	206	S1+	70 - 130	04/10/21 12:15	04/11/21 08:34	1
1,4-Difluorobenzene (Surr)	106		70 - 130	04/10/21 12:15	04/11/21 08:34	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	171		50.1		mg/Kg		04/09/21 09:11	04/09/21 21:26	1
Diesel Range Organics (Over C10-C28)	1040		50.1		mg/Kg		04/09/21 09:11	04/09/21 21:26	1
Oil Range Organics (Over C28-C36)	101		50.1		mg/Kg		04/09/21 09:11	04/09/21 21:26	1
Total TPH	1310		50.1		mg/Kg		04/09/21 09:11	04/09/21 21:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	04/09/21 09:11	04/09/21 21:26	1
o-Terphenyl	105		70 - 130	04/09/21 09:11	04/09/21 21:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95		mg/Kg			04/13/21 17:01	1

Client Sample ID: T-4 (7')

Lab Sample ID: 880-1143-41

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/10/21 12:15	04/11/21 08:55	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/10/21 12:15	04/11/21 08:55	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/10/21 12:15	04/11/21 08:55	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/10/21 12:15	04/11/21 08:55	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/10/21 12:15	04/11/21 08:55	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/10/21 12:15	04/11/21 08:55	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		04/10/21 12:15	04/11/21 08:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	04/10/21 12:15	04/11/21 08:55	1
1,4-Difluorobenzene (Surr)	111		70 - 130	04/10/21 12:15	04/11/21 08:55	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		mg/Kg		04/09/21 10:07	04/09/21 23:12	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Client Sample ID: T-4 (7')

Lab Sample ID: 880-1143-41

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

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)	<49.9	U	49.9		mg/Kg		04/09/21 10:07	04/09/21 23:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/09/21 10:07	04/09/21 23:12	1
Total TPH	<49.9	U	49.9		mg/Kg		04/09/21 10:07	04/09/21 23:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				04/09/21 10:07	04/09/21 23:12	1
o-Terphenyl	99		70 - 130				04/09/21 10:07	04/09/21 23:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95		mg/Kg			04/13/21 17:07	1

Client Sample ID: T-4 (8')

Lab Sample ID: 880-1143-42

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00676		0.00199		mg/Kg		04/10/21 12:15	04/11/21 10:17	1
Toluene	0.0872		0.00199		mg/Kg		04/10/21 12:15	04/11/21 10:17	1
Ethylbenzene	0.236		0.00199		mg/Kg		04/10/21 12:15	04/11/21 10:17	1
m-Xylene & p-Xylene	17.7		0.200		mg/Kg		04/12/21 09:00	04/12/21 21:04	50
o-Xylene	0.394		0.00199		mg/Kg		04/10/21 12:15	04/11/21 10:17	1
Xylenes, Total	24.1		0.200		mg/Kg		04/12/21 09:00	04/12/21 21:04	50
Total BTEX	28.0		0.100		mg/Kg		04/12/21 09:00	04/12/21 21:04	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				04/10/21 12:15	04/11/21 10:17	1
1,4-Difluorobenzene (Surr)	102		70 - 130				04/10/21 12:15	04/11/21 10:17	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	1460		49.9		mg/Kg		04/09/21 10:07	04/10/21 00:17	1
Diesel Range Organics (Over C10-C28)	1760		49.9		mg/Kg		04/09/21 10:07	04/10/21 00:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/09/21 10:07	04/10/21 00:17	1
Total TPH	3220		49.9		mg/Kg		04/09/21 10:07	04/10/21 00:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				04/09/21 10:07	04/10/21 00:17	1
o-Terphenyl	86		70 - 130				04/09/21 10:07	04/10/21 00:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.58		5.00		mg/Kg			04/13/21 17:12	1

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Client Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Client Sample ID: T-5 4(9')

Lab Sample ID: 880-1143-43

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.328		0.00198		mg/Kg		04/10/21 12:15	04/11/21 10:37	1
Toluene	0.323		0.00198		mg/Kg		04/10/21 12:15	04/11/21 10:37	1
Ethylbenzene	12.5		0.202		mg/Kg		04/12/21 09:00	04/12/21 21:24	100
m-Xylene & p-Xylene	0.0149		0.00397		mg/Kg		04/10/21 12:15	04/11/21 10:37	1
o-Xylene	0.0604		0.00198		mg/Kg		04/10/21 12:15	04/11/21 10:37	1
Xylenes, Total	0.0753		0.00397		mg/Kg		04/10/21 12:15	04/11/21 10:37	1
Total BTEX	138		0.202		mg/Kg		04/12/21 09:00	04/12/21 21:24	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	195	S1+	70 - 130	04/10/21 12:15	04/11/21 10:37	1
1,4-Difluorobenzene (Surr)	246	S1+	70 - 130	04/10/21 12:15	04/11/21 10:37	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	5960		49.8		mg/Kg		04/09/21 10:07	04/10/21 00:45	1
Diesel Range Organics (Over C10-C28)	3300		49.8		mg/Kg		04/09/21 10:07	04/10/21 00:45	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/09/21 10:07	04/10/21 00:45	1
Total TPH	9260		49.8		mg/Kg		04/09/21 10:07	04/10/21 00:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130	04/09/21 10:07	04/10/21 00:45	1
o-Terphenyl	81		70 - 130	04/09/21 10:07	04/10/21 00:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.46		5.00		mg/Kg			04/13/21 17:18	1

Client Sample ID: T-4 (10')

Lab Sample ID: 880-1143-44

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/21 12:15	04/11/21 09:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/10/21 12:15	04/11/21 09:15	1
Ethylbenzene	0.0477		0.00200		mg/Kg		04/10/21 12:15	04/11/21 09:15	1
m-Xylene & p-Xylene	0.0655		0.00399		mg/Kg		04/10/21 12:15	04/11/21 09:15	1
o-Xylene	0.146		0.00200		mg/Kg		04/10/21 12:15	04/11/21 09:15	1
Xylenes, Total	0.212		0.00399		mg/Kg		04/10/21 12:15	04/11/21 09:15	1
Total BTEX	0.259		0.00200		mg/Kg		04/10/21 12:15	04/11/21 09:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	160	S1+	70 - 130	04/10/21 12:15	04/11/21 09:15	1
1,4-Difluorobenzene (Surr)	104		70 - 130	04/10/21 12:15	04/11/21 09:15	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	143		49.9		mg/Kg		04/09/21 10:07	04/10/21 01:16	1

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Client Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Client Sample ID: T-4 (10')

Lab Sample ID: 880-1143-44

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

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)	261		49.9		mg/Kg		04/09/21 10:07	04/10/21 01:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/09/21 10:07	04/10/21 01:16	1
Total TPH	404		49.9		mg/Kg		04/09/21 10:07	04/10/21 01:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				04/09/21 10:07	04/10/21 01:16	1
o-Terphenyl	102		70 - 130				04/09/21 10:07	04/10/21 01:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.6		5.00		mg/Kg			04/13/21 17:23	1

Client Sample ID: T-5 (0-1') (SS-5-3)

Lab Sample ID: 880-1143-45

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/10/21 12:15	04/11/21 09:36	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/10/21 12:15	04/11/21 09:36	1
Ethylbenzene	0.0250		0.00198		mg/Kg		04/10/21 12:15	04/11/21 09:36	1
m-Xylene & p-Xylene	0.0264		0.00396		mg/Kg		04/10/21 12:15	04/11/21 09:36	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/10/21 12:15	04/11/21 09:36	1
Xylenes, Total	0.0264		0.00396		mg/Kg		04/10/21 12:15	04/11/21 09:36	1
Total BTEX	0.0514		0.00198		mg/Kg		04/10/21 12:15	04/11/21 09:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	207	S1+	70 - 130				04/10/21 12:15	04/11/21 09:36	1
1,4-Difluorobenzene (Surr)	104		70 - 130				04/10/21 12:15	04/11/21 09:36	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	79.9		49.9		mg/Kg		04/09/21 10:07	04/10/21 01:37	1
Diesel Range Organics (Over C10-C28)	548		49.9		mg/Kg		04/09/21 10:07	04/10/21 01:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/09/21 10:07	04/10/21 01:37	1
Total TPH	628		49.9		mg/Kg		04/09/21 10:07	04/10/21 01:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				04/09/21 10:07	04/10/21 01:37	1
o-Terphenyl	98		70 - 130				04/09/21 10:07	04/10/21 01:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			04/13/21 17:29	1

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Client Sample Results

Client: NT Global

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1

SDG: Eddy County, NM

Client Sample ID: T-5 (2')

Lab Sample ID: 880-1143-46

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/10/21 12:15	04/11/21 09:56	1
Toluene	0.00402		0.00199		mg/Kg		04/10/21 12:15	04/11/21 09:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/10/21 12:15	04/11/21 09:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/10/21 12:15	04/11/21 09:56	1
o-Xylene	0.00275		0.00199		mg/Kg		04/10/21 12:15	04/11/21 09:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/10/21 12:15	04/11/21 09:56	1
Total BTEX	0.00677		0.00199		mg/Kg		04/10/21 12:15	04/11/21 09:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	04/10/21 12:15	04/11/21 09:56	1
1,4-Difluorobenzene (Surr)	112		70 - 130	04/10/21 12:15	04/11/21 09:56	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		mg/Kg		04/09/21 10:07	04/10/21 01:58	1
Diesel Range Organics (Over C10-C28)	148		49.9		mg/Kg		04/09/21 10:07	04/10/21 01:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/09/21 10:07	04/10/21 01:58	1
Total TPH	148		49.9		mg/Kg		04/09/21 10:07	04/10/21 01:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	04/09/21 10:07	04/10/21 01:58	1
o-Terphenyl	102		70 - 130	04/09/21 10:07	04/10/21 01:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			04/13/21 17:34	1

Client Sample ID: T-5 (3')

Lab Sample ID: 880-1143-47

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/21 12:46	04/10/21 17:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/10/21 12:46	04/10/21 17:07	1
Ethylbenzene	0.00223		0.00200		mg/Kg		04/10/21 12:46	04/10/21 17:07	1
m-Xylene & p-Xylene	0.0352		0.00401		mg/Kg		04/10/21 12:46	04/10/21 17:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/10/21 12:46	04/10/21 17:07	1
Xylenes, Total	0.0352		0.00401		mg/Kg		04/10/21 12:46	04/10/21 17:07	1
Total BTEX	0.0374		0.00200		mg/Kg		04/10/21 12:46	04/10/21 17:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	04/10/21 12:46	04/10/21 17:07	1
1,4-Difluorobenzene (Surr)	117		70 - 130	04/10/21 12:46	04/10/21 17:07	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	94.8		50.0		mg/Kg		04/09/21 10:07	04/10/21 02:20	1

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Client Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Client Sample ID: T-5 (3')

Lab Sample ID: 880-1143-47

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

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)	1170		50.0		mg/Kg		04/09/21 10:07	04/10/21 02:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/09/21 10:07	04/10/21 02:20	1
Total TPH	1260		50.0		mg/Kg		04/09/21 10:07	04/10/21 02:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				04/09/21 10:07	04/10/21 02:20	1
o-Terphenyl	100		70 - 130				04/09/21 10:07	04/10/21 02:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.74		5.00		mg/Kg			04/13/21 18:27	1

Client Sample ID: T-6 (4')

Lab Sample ID: 880-1143-48

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/10/21 12:46	04/10/21 17:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/10/21 12:46	04/10/21 17:27	1
Ethylbenzene	0.0480		0.00201		mg/Kg		04/10/21 12:46	04/10/21 17:27	1
m-Xylene & p-Xylene	0.127		0.00402		mg/Kg		04/10/21 12:46	04/10/21 17:27	1
o-Xylene	0.0209		0.00201		mg/Kg		04/10/21 12:46	04/10/21 17:27	1
Xylenes, Total	0.148		0.00402		mg/Kg		04/10/21 12:46	04/10/21 17:27	1
Total BTEX	0.196		0.00201		mg/Kg		04/10/21 12:46	04/10/21 17:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	424	S1+	70 - 130				04/10/21 12:46	04/10/21 17:27	1
1,4-Difluorobenzene (Surr)	109		70 - 130				04/10/21 12:46	04/10/21 17:27	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	191		50.0		mg/Kg		04/09/21 10:07	04/10/21 02:41	1
Diesel Range Organics (Over C10-C28)	1610		50.0		mg/Kg		04/09/21 10:07	04/10/21 02:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/09/21 10:07	04/10/21 02:41	1
Total TPH	1800		50.0		mg/Kg		04/09/21 10:07	04/10/21 02:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				04/09/21 10:07	04/10/21 02:41	1
o-Terphenyl	86		70 - 130				04/09/21 10:07	04/10/21 02:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			04/13/21 18:45	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Client Sample ID: T-5 (5')

Lab Sample ID: 880-1143-49

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/21 12:46	04/10/21 17:48	1
Toluene	0.00321		0.00200		mg/Kg		04/10/21 12:46	04/10/21 17:48	1
Ethylbenzene	0.379		0.00200		mg/Kg		04/10/21 12:46	04/10/21 17:48	1
m-Xylene & p-Xylene	0.490		0.00401		mg/Kg		04/10/21 12:46	04/10/21 17:48	1
o-Xylene	0.680		0.199		mg/Kg		04/12/21 09:00	04/12/21 21:45	100
Xylenes, Total	0.680		0.398		mg/Kg		04/12/21 09:00	04/12/21 21:45	100
Total BTEX	1.29		0.199		mg/Kg		04/12/21 09:00	04/12/21 21:45	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	04/10/21 12:46	04/10/21 17:48	1
1,4-Difluorobenzene (Surr)	105		70 - 130	04/10/21 12:46	04/10/21 17:48	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	766		50.0		mg/Kg		04/09/21 10:07	04/10/21 03:05	1
Diesel Range Organics (Over C10-C28)	1660		50.0		mg/Kg		04/09/21 10:07	04/10/21 03:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/09/21 10:07	04/10/21 03:05	1
Total TPH	2430		50.0		mg/Kg		04/09/21 10:07	04/10/21 03:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	04/09/21 10:07	04/10/21 03:05	1
o-Terphenyl	81		70 - 130	04/09/21 10:07	04/10/21 03:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95		mg/Kg			04/13/21 18:51	1

Client Sample ID: T-5 (6')

Lab Sample ID: 880-1143-50

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/10/21 12:46	04/10/21 18:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/10/21 12:46	04/10/21 18:09	1
Ethylbenzene	0.687		0.402		mg/Kg		04/12/21 09:00	04/12/21 22:05	200
m-Xylene & p-Xylene	1.23		0.805		mg/Kg		04/12/21 09:00	04/12/21 22:05	200
o-Xylene	1.70		0.402		mg/Kg		04/12/21 09:00	04/12/21 22:05	200
Xylenes, Total	2.93		0.805		mg/Kg		04/12/21 09:00	04/12/21 22:05	200
Total BTEX	3.62		0.402		mg/Kg		04/12/21 09:00	04/12/21 22:05	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	320	S1+	70 - 130	04/10/21 12:46	04/10/21 18:09	1
1,4-Difluorobenzene (Surr)	96		70 - 130	04/10/21 12:46	04/10/21 18:09	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	833		49.9		mg/Kg		04/09/21 10:07	04/10/21 03:30	1

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Client Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Client Sample ID: T-5 (6')

Lab Sample ID: 880-1143-50

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

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)	2010		49.9		mg/Kg		04/09/21 10:07	04/10/21 03:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/09/21 10:07	04/10/21 03:30	1
Total TPH	2840		49.9		mg/Kg		04/09/21 10:07	04/10/21 03:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				04/09/21 10:07	04/10/21 03:30	1
o-Terphenyl	79		70 - 130				04/09/21 10:07	04/10/21 03:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.05	U	5.05		mg/Kg			04/13/21 18:57	1

Client Sample ID: T-5 (7')

Lab Sample ID: 880-1143-51

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/10/21 12:46	04/10/21 18:29	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/10/21 12:46	04/10/21 18:29	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/10/21 12:46	04/10/21 18:29	1
m-Xylene & p-Xylene	0.00577		0.00404		mg/Kg		04/10/21 12:46	04/10/21 18:29	1
o-Xylene	0.00570		0.00202		mg/Kg		04/10/21 12:46	04/10/21 18:29	1
Xylenes, Total	0.0115		0.00404		mg/Kg		04/10/21 12:46	04/10/21 18:29	1
Total BTEX	0.0115		0.00202		mg/Kg		04/10/21 12:46	04/10/21 18:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				04/10/21 12:46	04/10/21 18:29	1
1,4-Difluorobenzene (Surr)	117		70 - 130				04/10/21 12:46	04/10/21 18:29	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		mg/Kg		04/09/21 10:07	04/10/21 04:18	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/09/21 10:07	04/10/21 04:18	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/09/21 10:07	04/10/21 04:18	1
Total TPH	<49.8	U	49.8		mg/Kg		04/09/21 10:07	04/10/21 04:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				04/09/21 10:07	04/10/21 04:18	1
o-Terphenyl	93		70 - 130				04/09/21 10:07	04/10/21 04:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			04/13/21 19:03	1

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Client Sample Results

Client: NT Global

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1

SDG: Eddy County, NM

Client Sample ID: T-5 (8')

Lab Sample ID: 880-1143-52

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0114		0.00202		mg/Kg		04/10/21 12:46	04/10/21 18:50	1
Toluene	<0.399	U	0.399		mg/Kg		04/12/21 09:00	04/12/21 22:26	200
Ethylbenzene	1.86		0.399		mg/Kg		04/12/21 09:00	04/12/21 22:26	200
m-Xylene & p-Xylene	12.1		0.798		mg/Kg		04/12/21 09:00	04/12/21 22:26	200
o-Xylene	4.46		0.399		mg/Kg		04/12/21 09:00	04/12/21 22:26	200
Xylenes, Total	16.6		0.798		mg/Kg		04/12/21 09:00	04/12/21 22:26	200
Total BTEX	18.4		0.399		mg/Kg		04/12/21 09:00	04/12/21 22:26	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	491	S1+	70 - 130	04/10/21 12:46	04/10/21 18:50	1
1,4-Difluorobenzene (Surr)	132	S1+	70 - 130	04/10/21 12:46	04/10/21 18:50	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	1740		50.0		mg/Kg		04/09/21 10:07	04/10/21 04:39	1
Diesel Range Organics (Over C10-C28)	1660		50.0		mg/Kg		04/09/21 10:07	04/10/21 04:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/09/21 10:07	04/10/21 04:39	1
Total TPH	3400		50.0		mg/Kg		04/09/21 10:07	04/10/21 04:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	04/09/21 10:07	04/10/21 04:39	1
o-Terphenyl	82		70 - 130	04/09/21 10:07	04/10/21 04:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.4		5.00		mg/Kg			04/13/21 19:22	1

Client Sample ID: T-5 (9')

Lab Sample ID: 880-1143-53

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.100	U	0.100		mg/Kg		04/10/21 12:46	04/10/21 19:52	50
Toluene	14.2		0.100		mg/Kg		04/10/21 12:46	04/10/21 19:52	50
Ethylbenzene	5.05		0.100		mg/Kg		04/10/21 12:46	04/10/21 19:52	50
m-Xylene & p-Xylene	36.4		0.200		mg/Kg		04/10/21 12:46	04/10/21 19:52	50
o-Xylene	11.8		0.100		mg/Kg		04/10/21 12:46	04/10/21 19:52	50
Xylenes, Total	48.2		0.200		mg/Kg		04/10/21 12:46	04/10/21 19:52	50
Total BTEX	67.5		0.100		mg/Kg		04/10/21 12:46	04/10/21 19:52	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	04/10/21 12:46	04/10/21 19:52	50
1,4-Difluorobenzene (Surr)	110		70 - 130	04/10/21 12:46	04/10/21 19:52	50

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	6590		50.0		mg/Kg		04/09/21 10:07	04/10/21 05:05	1

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Client Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Client Sample ID: T-5 (9')

Lab Sample ID: 880-1143-53

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

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)	3380		50.0		mg/Kg		04/09/21 10:07	04/10/21 05:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/09/21 10:07	04/10/21 05:05	1
Total TPH	9970		50.0		mg/Kg		04/09/21 10:07	04/10/21 05:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130				04/09/21 10:07	04/10/21 05:05	1
o-Terphenyl	89		70 - 130				04/09/21 10:07	04/10/21 05:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.3		5.00		mg/Kg			04/13/21 19:28	1

Client Sample ID: T-5 (10')

Lab Sample ID: 880-1143-54

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/21 12:46	04/10/21 19:11	1
Toluene	0.0264		0.00200		mg/Kg		04/10/21 12:46	04/10/21 19:11	1
Ethylbenzene	0.00713		0.00200		mg/Kg		04/10/21 12:46	04/10/21 19:11	1
m-Xylene & p-Xylene	0.0686		0.00399		mg/Kg		04/10/21 12:46	04/10/21 19:11	1
o-Xylene	0.102		0.00200		mg/Kg		04/10/21 12:46	04/10/21 19:11	1
Xylenes, Total	0.171		0.00399		mg/Kg		04/10/21 12:46	04/10/21 19:11	1
Total BTEX	0.204		0.00200		mg/Kg		04/10/21 12:46	04/10/21 19:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130				04/10/21 12:46	04/10/21 19:11	1
1,4-Difluorobenzene (Surr)	116		70 - 130				04/10/21 12:46	04/10/21 19:11	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	102		50.0		mg/Kg		04/09/21 10:07	04/10/21 05:35	1
Diesel Range Organics (Over C10-C28)	226		50.0		mg/Kg		04/09/21 10:07	04/10/21 05:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/09/21 10:07	04/10/21 05:35	1
Total TPH	328		50.0		mg/Kg		04/09/21 10:07	04/10/21 05:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				04/09/21 10:07	04/10/21 05:35	1
o-Terphenyl	98		70 - 130				04/09/21 10:07	04/10/21 05:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.3		5.02		mg/Kg			04/13/21 19:34	1

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Client Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Client Sample ID: T-6 (0-1') (HA-10-3)

Lab Sample ID: 880-1143-55

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/10/21 12:46	04/10/21 19:32	1
Toluene	0.00301		0.00199		mg/Kg		04/10/21 12:46	04/10/21 19:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/10/21 12:46	04/10/21 19:32	1
m-Xylene & p-Xylene	0.00698		0.00398		mg/Kg		04/10/21 12:46	04/10/21 19:32	1
o-Xylene	0.00213		0.00199		mg/Kg		04/10/21 12:46	04/10/21 19:32	1
Xylenes, Total	0.00911		0.00398		mg/Kg		04/10/21 12:46	04/10/21 19:32	1
Total BTEX	0.0121		0.00199		mg/Kg		04/10/21 12:46	04/10/21 19:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	04/10/21 12:46	04/10/21 19:32	1
1,4-Difluorobenzene (Surr)	111		70 - 130	04/10/21 12:46	04/10/21 19:32	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		mg/Kg		04/09/21 10:07	04/10/21 05:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/09/21 10:07	04/10/21 05:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/09/21 10:07	04/10/21 05:56	1
Total TPH	<49.9	U	49.9		mg/Kg		04/09/21 10:07	04/10/21 05:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	04/09/21 10:07	04/10/21 05:56	1
o-Terphenyl	99		70 - 130	04/09/21 10:07	04/10/21 05:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.69		5.03		mg/Kg			04/13/21 19:40	1

Client Sample ID: T-6 (2')

Lab Sample ID: 880-1143-56

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/10/21 12:46	04/10/21 21:16	1
Toluene	0.00237		0.00199		mg/Kg		04/10/21 12:46	04/10/21 21:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/10/21 12:46	04/10/21 21:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/10/21 12:46	04/10/21 21:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/10/21 12:46	04/10/21 21:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/10/21 12:46	04/10/21 21:16	1
Total BTEX	0.00237		0.00199		mg/Kg		04/10/21 12:46	04/10/21 21:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	04/10/21 12:46	04/10/21 21:16	1
1,4-Difluorobenzene (Surr)	118		70 - 130	04/10/21 12:46	04/10/21 21:16	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		mg/Kg		04/09/21 10:07	04/10/21 06:17	1

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Client Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Client Sample ID: T-6 (2')

Lab Sample ID: 880-1143-56

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

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)	<49.8	U	49.8		mg/Kg		04/09/21 10:07	04/10/21 06:17	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/09/21 10:07	04/10/21 06:17	1
Total TPH	<49.8	U	49.8		mg/Kg		04/09/21 10:07	04/10/21 06:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				04/09/21 10:07	04/10/21 06:17	1
o-Terphenyl	99		70 - 130				04/09/21 10:07	04/10/21 06:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.7		5.00		mg/Kg			04/13/21 19:46	1

Client Sample ID: T-6 (3')

Lab Sample ID: 880-1143-57

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/10/21 12:46	04/10/21 21:37	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/10/21 12:46	04/10/21 21:37	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/10/21 12:46	04/10/21 21:37	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/10/21 12:46	04/10/21 21:37	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/10/21 12:46	04/10/21 21:37	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/10/21 12:46	04/10/21 21:37	1
Total BTEX	<0.00198	U	0.00198		mg/Kg		04/10/21 12:46	04/10/21 21:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				04/10/21 12:46	04/10/21 21:37	1
1,4-Difluorobenzene (Surr)	109		70 - 130				04/10/21 12:46	04/10/21 21:37	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		mg/Kg		04/09/21 10:07	04/10/21 06:37	1
Diesel Range Organics (Over C10-C28)	533		49.9		mg/Kg		04/09/21 10:07	04/10/21 06:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/09/21 10:07	04/10/21 06:37	1
Total TPH	533		49.9		mg/Kg		04/09/21 10:07	04/10/21 06:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				04/09/21 10:07	04/10/21 06:37	1
o-Terphenyl	104		70 - 130				04/09/21 10:07	04/10/21 06:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.2		4.95		mg/Kg			04/13/21 19:52	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Client Sample ID: T-6 (4')

Lab Sample ID: 880-1143-58

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/10/21 12:46	04/10/21 21:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/10/21 12:46	04/10/21 21:58	1
Ethylbenzene	0.00772		0.00199		mg/Kg		04/10/21 12:46	04/10/21 21:58	1
m-Xylene & p-Xylene	0.0577		0.00398		mg/Kg		04/10/21 12:46	04/10/21 21:58	1
o-Xylene	0.00236		0.00199		mg/Kg		04/10/21 12:46	04/10/21 21:58	1
Xylenes, Total	0.0601		0.00398		mg/Kg		04/10/21 12:46	04/10/21 21:58	1
Total BTEX	0.0678		0.00199		mg/Kg		04/10/21 12:46	04/10/21 21:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130	04/10/21 12:46	04/10/21 21:58	1
1,4-Difluorobenzene (Surr)	110		70 - 130	04/10/21 12:46	04/10/21 21:58	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	140		50.0		mg/Kg		04/09/21 10:07	04/10/21 06:59	1
Diesel Range Organics (Over C10-C28)	1680		50.0		mg/Kg		04/09/21 10:07	04/10/21 06:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/09/21 10:07	04/10/21 06:59	1
Total TPH	1820		50.0		mg/Kg		04/09/21 10:07	04/10/21 06:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	04/09/21 10:07	04/10/21 06:59	1
o-Terphenyl	96		70 - 130	04/09/21 10:07	04/10/21 06:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.2		5.03		mg/Kg			04/13/21 20:11	1

Client Sample ID: T-6 (5')

Lab Sample ID: 880-1143-59

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/21 12:46	04/10/21 22:18	1
Toluene	0.00219		0.00200		mg/Kg		04/10/21 12:46	04/10/21 22:18	1
Ethylbenzene	0.0470		0.00200		mg/Kg		04/10/21 12:46	04/10/21 22:18	1
m-Xylene & p-Xylene	0.0946		0.00399		mg/Kg		04/10/21 12:46	04/10/21 22:18	1
o-Xylene	0.00743		0.00200		mg/Kg		04/10/21 12:46	04/10/21 22:18	1
Xylenes, Total	0.102		0.00399		mg/Kg		04/10/21 12:46	04/10/21 22:18	1
Total BTEX	0.151		0.00200		mg/Kg		04/10/21 12:46	04/10/21 22:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	202	S1+	70 - 130	04/10/21 12:46	04/10/21 22:18	1
1,4-Difluorobenzene (Surr)	111		70 - 130	04/10/21 12:46	04/10/21 22:18	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	491		50.1		mg/Kg		04/09/21 10:07	04/10/21 07:20	1

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Client Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Client Sample ID: T-6 (5')

Lab Sample ID: 880-1143-59

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

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)	1640		50.1		mg/Kg		04/09/21 10:07	04/10/21 07:20	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/09/21 10:07	04/10/21 07:20	1
Total TPH	2130		50.1		mg/Kg		04/09/21 10:07	04/10/21 07:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				04/09/21 10:07	04/10/21 07:20	1
o-Terphenyl	87		70 - 130				04/09/21 10:07	04/10/21 07:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.8		5.00		mg/Kg			04/13/21 20:17	1

Client Sample ID: T-6 (6')

Lab Sample ID: 880-1143-60

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/21 12:46	04/10/21 22:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/10/21 12:46	04/10/21 22:39	1
Ethylbenzene	0.0580		0.00200		mg/Kg		04/10/21 12:46	04/10/21 22:39	1
m-Xylene & p-Xylene	0.287		0.00401		mg/Kg		04/10/21 12:46	04/10/21 22:39	1
o-Xylene	0.0965		0.00200		mg/Kg		04/10/21 12:46	04/10/21 22:39	1
Xylenes, Total	0.384		0.00401		mg/Kg		04/10/21 12:46	04/10/21 22:39	1
Total BTEX	0.442		0.00200		mg/Kg		04/10/21 12:46	04/10/21 22:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	204	S1+	70 - 130				04/10/21 12:46	04/10/21 22:39	1
1,4-Difluorobenzene (Surr)	124		70 - 130				04/10/21 12:46	04/10/21 22:39	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	552		50.1		mg/Kg		04/09/21 10:07	04/10/21 07:44	1
Diesel Range Organics (Over C10-C28)	1840		50.1		mg/Kg		04/09/21 10:07	04/10/21 07:44	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/09/21 10:07	04/10/21 07:44	1
Total TPH	2390		50.1		mg/Kg		04/09/21 10:07	04/10/21 07:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				04/09/21 10:07	04/10/21 07:44	1
o-Terphenyl	88		70 - 130				04/09/21 10:07	04/10/21 07:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.9		4.97		mg/Kg			04/13/21 20:35	1

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Client Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Client Sample ID: T-6 (7')

Lab Sample ID: 880-1143-61

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/10/21 12:46	04/10/21 23:00	1
Toluene	0.00241		0.00201		mg/Kg		04/10/21 12:46	04/10/21 23:00	1
Ethylbenzene	0.0148		0.00201		mg/Kg		04/10/21 12:46	04/10/21 23:00	1
m-Xylene & p-Xylene	0.180		0.00402		mg/Kg		04/10/21 12:46	04/10/21 23:00	1
o-Xylene	0.0702		0.00201		mg/Kg		04/10/21 12:46	04/10/21 23:00	1
Xylenes, Total	0.250		0.00402		mg/Kg		04/10/21 12:46	04/10/21 23:00	1
Total BTEX	0.267		0.00201		mg/Kg		04/10/21 12:46	04/10/21 23:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130	04/10/21 12:46	04/10/21 23:00	1
1,4-Difluorobenzene (Surr)	113		70 - 130	04/10/21 12:46	04/10/21 23:00	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	116		50.0		mg/Kg		04/09/21 10:28	04/10/21 19:07	1
Diesel Range Organics (Over C10-C28)	983	*1	50.0		mg/Kg		04/09/21 10:28	04/10/21 19:07	1
Oil Range Organics (Over C28-C36)	134		50.0		mg/Kg		04/09/21 10:28	04/10/21 19:07	1
Total TPH	1230		50.0		mg/Kg		04/09/21 10:28	04/10/21 19:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	04/09/21 10:28	04/10/21 19:07	1
o-Terphenyl	91		70 - 130	04/09/21 10:28	04/10/21 19:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.4		5.00		mg/Kg			04/13/21 20:41	1

Client Sample ID: T-6 (8')

Lab Sample ID: 880-1143-62

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.402	U	0.402		mg/Kg		04/12/21 09:00	04/12/21 22:46	200
Toluene	17.2		0.402		mg/Kg		04/12/21 09:00	04/12/21 22:46	200
Ethylbenzene	5.38		0.402		mg/Kg		04/12/21 09:00	04/12/21 22:46	200
m-Xylene & p-Xylene	56.0		0.803		mg/Kg		04/12/21 09:00	04/12/21 22:46	200
o-Xylene	19.6		0.402		mg/Kg		04/12/21 09:00	04/12/21 22:46	200
Xylenes, Total	75.6		0.803		mg/Kg		04/12/21 09:00	04/12/21 22:46	200
Total BTEX	98.2		0.402		mg/Kg		04/12/21 09:00	04/12/21 22:46	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	04/12/21 09:00	04/12/21 22:46	200
1,4-Difluorobenzene (Surr)	88		70 - 130	04/12/21 09:00	04/12/21 22:46	200

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	3700		50.0		mg/Kg		04/09/21 10:28	04/10/21 19:28	1

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Client Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Client Sample ID: T-6 (8')

Lab Sample ID: 880-1143-62

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

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)	1920	*1	50.0		mg/Kg		04/09/21 10:28	04/10/21 19:28	1
Oil Range Organics (Over C28-C36)	196		50.0		mg/Kg		04/09/21 10:28	04/10/21 19:28	1
Total TPH	5820		50.0		mg/Kg		04/09/21 10:28	04/10/21 19:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	04/09/21 10:28	04/10/21 19:28	1
o-Terphenyl	101		70 - 130	04/09/21 10:28	04/10/21 19:28	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.9		4.96		mg/Kg			04/13/21 20:47	1

Client Sample ID: T-6 (9')

Lab Sample ID: 880-1143-63

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.293		0.0998		mg/Kg		04/10/21 12:46	04/11/21 00:23	50
Toluene	15.7		0.0998		mg/Kg		04/10/21 12:46	04/11/21 00:23	50
Ethylbenzene	3.02		0.0998		mg/Kg		04/10/21 12:46	04/11/21 00:23	50
m-Xylene & p-Xylene	50.4		0.800		mg/Kg		04/12/21 09:00	04/12/21 23:06	200
o-Xylene	12.5		0.0998		mg/Kg		04/10/21 12:46	04/11/21 00:23	50
Xylenes, Total	67.6		0.800		mg/Kg		04/12/21 09:00	04/12/21 23:06	200
Total BTEX	90.9		0.400		mg/Kg		04/12/21 09:00	04/12/21 23:06	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	168	S1+	70 - 130	04/10/21 12:46	04/11/21 00:23	50
1,4-Difluorobenzene (Surr)	112		70 - 130	04/10/21 12:46	04/11/21 00:23	50

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	3020		49.9		mg/Kg		04/09/21 10:28	04/10/21 19:50	1
Diesel Range Organics (Over C10-C28)	1730	*1	49.9		mg/Kg		04/09/21 10:28	04/10/21 19:50	1
Oil Range Organics (Over C28-C36)	179		49.9		mg/Kg		04/09/21 10:28	04/10/21 19:50	1
Total TPH	4930		49.9		mg/Kg		04/09/21 10:28	04/10/21 19:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	04/09/21 10:28	04/10/21 19:50	1
o-Terphenyl	97		70 - 130	04/09/21 10:28	04/10/21 19:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.1		5.00		mg/Kg			04/13/21 20:54	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Client Sample ID: T-6 (10')

Lab Sample ID: 880-1143-64

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/10/21 12:46	04/10/21 23:21	1
Toluene	0.0720		0.00199		mg/Kg		04/10/21 12:46	04/10/21 23:21	1
Ethylbenzene	0.00802		0.00199		mg/Kg		04/10/21 12:46	04/10/21 23:21	1
m-Xylene & p-Xylene	0.442		0.00398		mg/Kg		04/10/21 12:46	04/10/21 23:21	1
o-Xylene	0.177		0.00199		mg/Kg		04/10/21 12:46	04/10/21 23:21	1
Xylenes, Total	0.619		0.00398		mg/Kg		04/10/21 12:46	04/10/21 23:21	1
Total BTEX	0.699		0.00199		mg/Kg		04/10/21 12:46	04/10/21 23:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	182	S1+	70 - 130	04/10/21 12:46	04/10/21 23:21	1
1,4-Difluorobenzene (Surr)	113		70 - 130	04/10/21 12:46	04/10/21 23:21	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	283		49.8		mg/Kg		04/09/21 10:28	04/10/21 20:10	1
Diesel Range Organics (Over C10-C28)	740	*1	49.8		mg/Kg		04/09/21 10:28	04/10/21 20:10	1
Oil Range Organics (Over C28-C36)	88.7		49.8		mg/Kg		04/09/21 10:28	04/10/21 20:10	1
Total TPH	1110		49.8		mg/Kg		04/09/21 10:28	04/10/21 20:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	04/09/21 10:28	04/10/21 20:10	1
o-Terphenyl	94		70 - 130	04/09/21 10:28	04/10/21 20:10	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.9		4.95		mg/Kg			04/13/21 21:00	1

Client Sample ID: T-6 (11')

Lab Sample ID: 880-1143-65

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/10/21 12:46	04/10/21 23:41	1
Toluene	0.0571		0.00199		mg/Kg		04/10/21 12:46	04/10/21 23:41	1
Ethylbenzene	0.0470		0.00199		mg/Kg		04/10/21 12:46	04/10/21 23:41	1
m-Xylene & p-Xylene	0.696		0.00398		mg/Kg		04/10/21 12:46	04/10/21 23:41	1
o-Xylene	0.332		0.00199		mg/Kg		04/10/21 12:46	04/10/21 23:41	1
Xylenes, Total	1.03		0.00398		mg/Kg		04/10/21 12:46	04/10/21 23:41	1
Total BTEX	1.13		0.00199		mg/Kg		04/10/21 12:46	04/10/21 23:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130	04/10/21 12:46	04/10/21 23:41	1
1,4-Difluorobenzene (Surr)	109		70 - 130	04/10/21 12:46	04/10/21 23:41	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	180		49.9		mg/Kg		04/09/21 10:28	04/10/21 20:32	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Client Sample ID: T-6 (11')

Lab Sample ID: 880-1143-65

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

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)	249	*1	49.9		mg/Kg		04/09/21 10:28	04/10/21 20:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/09/21 10:28	04/10/21 20:32	1
Total TPH	429		49.9		mg/Kg		04/09/21 10:28	04/10/21 20:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				04/09/21 10:28	04/10/21 20:32	1
o-Terphenyl	90		70 - 130				04/09/21 10:28	04/10/21 20:32	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.5		4.95		mg/Kg			04/13/21 21:06	1

Client Sample ID: T-6 (12')

Lab Sample ID: 880-1143-66

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/10/21 12:46	04/10/21 16:46	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/10/21 12:46	04/10/21 16:46	1
Ethylbenzene	0.00347		0.00198		mg/Kg		04/10/21 12:46	04/10/21 16:46	1
m-Xylene & p-Xylene	0.0640		0.00397		mg/Kg		04/10/21 12:46	04/10/21 16:46	1
o-Xylene	0.0270		0.00198		mg/Kg		04/10/21 12:46	04/10/21 16:46	1
Xylenes, Total	0.0910		0.00397		mg/Kg		04/10/21 12:46	04/10/21 16:46	1
Total BTEX	0.0945		0.00198		mg/Kg		04/10/21 12:46	04/10/21 16:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				04/10/21 12:46	04/10/21 16:46	1
1,4-Difluorobenzene (Surr)	102		70 - 130				04/10/21 12:46	04/10/21 16:46	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	57.3		50.1		mg/Kg		04/09/21 10:28	04/10/21 20:53	1
Diesel Range Organics (Over C10-C28)	94.0	*1	50.1		mg/Kg		04/09/21 10:28	04/10/21 20:53	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/09/21 10:28	04/10/21 20:53	1
Total TPH	151		50.1		mg/Kg		04/09/21 10:28	04/10/21 20:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				04/09/21 10:28	04/10/21 20:53	1
o-Terphenyl	93		70 - 130				04/09/21 10:28	04/10/21 20:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.9		5.00		mg/Kg			04/13/21 21:12	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1

SDG: Eddy County, NM

Client Sample ID: T-7 (0-1') (HA-1-2)

Lab Sample ID: 880-1143-67

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/10/21 11:04	04/10/21 22:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/10/21 11:04	04/10/21 22:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/10/21 11:04	04/10/21 22:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/10/21 11:04	04/10/21 22:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/10/21 11:04	04/10/21 22:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/10/21 11:04	04/10/21 22:17	1
Total BTEX	<0.00199	U	0.00199		mg/Kg		04/10/21 11:04	04/10/21 22:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	04/10/21 11:04	04/10/21 22:17	1
1,4-Difluorobenzene (Surr)	101		70 - 130	04/10/21 11:04	04/10/21 22:17	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	101		49.9		mg/Kg		04/09/21 15:09	04/11/21 00:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		04/09/21 15:09	04/11/21 00:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/09/21 15:09	04/11/21 00:26	1
Total TPH	101		49.9		mg/Kg		04/09/21 15:09	04/11/21 00:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	04/09/21 15:09	04/11/21 00:26	1
o-Terphenyl	90		70 - 130	04/09/21 15:09	04/11/21 00:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.5	F1	4.99		mg/Kg			04/13/21 01:26	1

Client Sample ID: T-7 (2')

Lab Sample ID: 880-1143-68

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/10/21 11:04	04/10/21 22:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/10/21 11:04	04/10/21 22:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/10/21 11:04	04/10/21 22:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/10/21 11:04	04/10/21 22:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/10/21 11:04	04/10/21 22:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/10/21 11:04	04/10/21 22:37	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		04/10/21 11:04	04/10/21 22:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	04/10/21 11:04	04/10/21 22:37	1
1,4-Difluorobenzene (Surr)	96		70 - 130	04/10/21 11:04	04/10/21 22:37	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	93.1		49.9		mg/Kg		04/09/21 15:09	04/11/21 00:47	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Client Sample ID: T-7 (2')

Lab Sample ID: 880-1143-68

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

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)	<49.9	U *1	49.9		mg/Kg		04/09/21 15:09	04/11/21 00:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/09/21 15:09	04/11/21 00:47	1
Total TPH	93.1		49.9		mg/Kg		04/09/21 15:09	04/11/21 00:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	04/09/21 15:09	04/11/21 00:47	1
o-Terphenyl	89		70 - 130	04/09/21 15:09	04/11/21 00:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.1		5.05		mg/Kg			04/13/21 09:59	1

Client Sample ID: T-7 (3')

Lab Sample ID: 880-1143-69

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/21 11:04	04/10/21 22:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/10/21 11:04	04/10/21 22:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/10/21 11:04	04/10/21 22:58	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/10/21 11:04	04/10/21 22:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/10/21 11:04	04/10/21 22:58	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/10/21 11:04	04/10/21 22:58	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/10/21 11:04	04/10/21 22:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	04/10/21 11:04	04/10/21 22:58	1
1,4-Difluorobenzene (Surr)	105		70 - 130	04/10/21 11:04	04/10/21 22:58	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		mg/Kg		04/09/21 15:09	04/11/21 01:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		04/09/21 15:09	04/11/21 01:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/09/21 15:09	04/11/21 01:08	1
Total TPH	<49.9	U	49.9		mg/Kg		04/09/21 15:09	04/11/21 01:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	04/09/21 15:09	04/11/21 01:08	1
o-Terphenyl	89		70 - 130	04/09/21 15:09	04/11/21 01:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.8		5.02		mg/Kg			04/13/21 01:48	1

Eurofins Xenco, Midland

Client Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Client Sample ID: T-7 (4')

Lab Sample ID: 880-1143-70

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/21 11:04	04/10/21 23:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/10/21 11:04	04/10/21 23:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/10/21 11:04	04/10/21 23:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/10/21 11:04	04/10/21 23:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/10/21 11:04	04/10/21 23:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/10/21 11:04	04/10/21 23:18	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/10/21 11:04	04/10/21 23:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	04/10/21 11:04	04/10/21 23:18	1
1,4-Difluorobenzene (Surr)	103		70 - 130	04/10/21 11:04	04/10/21 23:18	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	68.2		50.0		mg/Kg		04/09/21 15:09	04/11/21 01:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		04/09/21 15:09	04/11/21 01:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/09/21 15:09	04/11/21 01:29	1
Total TPH	68.2		50.0		mg/Kg		04/09/21 15:09	04/11/21 01:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	04/09/21 15:09	04/11/21 01:29	1
o-Terphenyl	87		70 - 130	04/09/21 15:09	04/11/21 01:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.6		4.98		mg/Kg			04/13/21 01:54	1

Eurofins Xenco, Midland

Surrogate Summary

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

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)
880-1143-1	T-1 (0-1') (HA-10-4)	100	104
880-1143-2	T-1 (2')	106	107
880-1143-3	T-1 (3')	105	106
880-1143-4	T-1 (4')	112	108
880-1143-5	T-1 (5')	106	109
880-1143-6	T-1 (6')	121	92
880-1143-7	T-1 (7')	117	114
880-1143-7	T-1 (7')	121	113
880-1143-7	T-1 (7')	136 S1+	107
880-1143-8	T-1 (8')	190 S1+	109
880-1143-9	T-1 (9')	2139 S1+	90
880-1143-10	T-1 (10')	374 S1+	104
880-1143-11	T-1 (11')	127	75
880-1143-12	T-1 (12')	182 S1+	96
880-1143-13	T-1 (13')	379 S1+	106
880-1143-14	T-1 (14')	289 S1+	101
880-1143-15	T-2 (0-1') HA-11-4)	129	111
880-1143-16	T-2 (2')	149 S1+	106
880-1143-17	T-2 (3')	143 S1+	108
880-1143-18	T-2 (4')	254 S1+	106
880-1143-19	T-2 (5')	163 S1+	104
880-1143-20	T-2 (6')	121	109
880-1143-21	T-2 (7')	135 S1+	110
880-1143-22	T-2 (8')	128	116
880-1143-23	T-2 (9')	255 S1+	16 S1-
880-1143-24	T-2 (10')	89	57 S1-
880-1143-25	T-3 (0-1') (SS-12-3)	127	109
880-1143-26	T-3 (2')	134 S1+	104
880-1143-27	T-3(3')	155 S1+	87
880-1143-27 MS	T-3(3')	221 S1+	105
880-1143-27 MSD	T-3(3')	226 S1+	103
880-1143-28	T-3 (4')	150 S1+	105
880-1143-29	T-3 (5')	296 S1+	105
880-1143-30	T-3 (6')	148 S1+	95
880-1143-31	T-3 (7')	154 S1+	105
880-1143-32	T-3 (8')	129	108
880-1143-33	T-3 (9')	254 S1+	96
880-1143-34	T-3 (10')	179 S1+	105
880-1143-35	T-4 (0-1') (HA-11-3)	125	111
880-1143-36	T-4 (2')	194 S1+	103
880-1143-37	T-4 (3')	159 S1+	100
880-1143-38	T-4 (4')	197 S1+	105
880-1143-39	T-4 (5')	429 S1+	104
880-1143-40	T-4 (6')	206 S1+	106
880-1143-41	T-4 (7')	124	111
880-1143-42	T-4 (8')	116	102
880-1143-43	T-5 4(9')	195 S1+	246 S1+
880-1143-44	T-4 (10')	160 S1+	104
880-1143-45	T-5 (0-1') (SS-5-3)	207 S1+	104

Eurofins Xenco, Midland

Surrogate Summary

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-1143-46	T-5 (2')	124	112
880-1143-47	T-5 (3')	112	117
880-1143-48	T-6 (4')	424 S1+	109
880-1143-49	T-5 (5')	94	105
880-1143-50	T-5 (6')	320 S1+	96
880-1143-51	T-5 (7')	94	117
880-1143-52	T-5 (8')	491 S1+	132 S1+
880-1143-53	T-5 (9')	127	110
880-1143-54	T-5 (10')	143 S1+	116
880-1143-55	T-6 (0-1') (HA-10-3)	86	111
880-1143-56	T-6 (2')	85	118
880-1143-57	T-6 (3')	95	109
880-1143-58	T-6 (4')	148 S1+	110
880-1143-59	T-6 (5')	202 S1+	111
880-1143-60	T-6 (6')	204 S1+	124
880-1143-61	T-6 (7')	139 S1+	113
880-1143-62	T-6 (8')	92	88
880-1143-63	T-6 (9')	168 S1+	112
880-1143-64	T-6 (10')	182 S1+	113
880-1143-65	T-6 (11')	139 S1+	109
880-1143-66	T-6 (12')	104	102
880-1143-66 MS	T-6 (12')	109	102
880-1143-66 MSD	T-6 (12')	109	102
880-1143-67	T-7 (0-1') (HA-1-2)	101	101
880-1143-68	T-7 (2')	97	96
880-1143-69	T-7 (3')	103	105
880-1143-70	T-7 (4')	104	103
LCS 880-1614/1-A	Lab Control Sample	99	107
LCS 880-1615/1-A	Lab Control Sample	97	107
LCS 880-1616/1-A	Lab Control Sample	96	99
LCS 880-1617/1-A	Lab Control Sample	107	106
LCS 880-1618/1-A	Lab Control Sample	89	108
LCS 880-1644/1-A	Lab Control Sample	100	105
LCSD 880-1614/2-A	Lab Control Sample Dup	101	105
LCSD 880-1615/2-A	Lab Control Sample Dup	98	106
LCSD 880-1616/2-A	Lab Control Sample Dup	99	101
LCSD 880-1617/2-A	Lab Control Sample Dup	107	105
LCSD 880-1618/2-A	Lab Control Sample Dup	92	116
LCSD 880-1644/2-A	Lab Control Sample Dup	101	104
MB 880-1614/5-A	Method Blank	100	101
MB 880-1615/5-A	Method Blank	98	100
MB 880-1616/5-A	Method Blank	106	99
MB 880-1617/5-A	Method Blank	110	98
MB 880-1618/5-A	Method Blank	100	81
MB 880-1641/7	Method Blank	99	102

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Eurofins Xenco, Midland

Surrogate Summary

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

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)
880-1143-1	T-1 (0-1') (HA-10-4)	105	107
880-1143-1 MS	T-1 (0-1') (HA-10-4)	105	96
880-1143-1 MSD	T-1 (0-1') (HA-10-4)	106	95
880-1143-2	T-1 (2')	102	104
880-1143-3	T-1 (3')	107	107
880-1143-4	T-1 (4')	104	103
880-1143-5	T-1 (5')	95	92
880-1143-6	T-1 (6')	109	98
880-1143-7	T-1 (7')	104	101
880-1143-8	T-1 (8')	100	97
880-1143-9	T-1 (9')	119	87
880-1143-10	T-1 (10')	107	83
880-1143-11	T-1 (11')	119	90
880-1143-12	T-1 (12')	109	91
880-1143-13	T-1 (13')	104	93
880-1143-14	T-1 (14')	116	99
880-1143-15	T-2 (0-1') HA-11-4)	98	100
880-1143-16	T-2 (2')	101	93
880-1143-17	T-2 (3')	108	98
880-1143-18	T-2 (4')	103	84
880-1143-19	T-2 (5')	115	102
880-1143-20	T-2 (6')	96	91
880-1143-21	T-2 (7')	99	100
880-1143-21 MS	T-2 (7')	108	101
880-1143-21 MSD	T-2 (7')	107	100
880-1143-22	T-2 (8')	102	105
880-1143-23	T-2 (9')	103	103
880-1143-24	T-2 (10')	124	108
880-1143-25	T-3 (0-1') (SS-12-3)	101	105
880-1143-26	T-3 (2')	100	102
880-1143-27	T-3 (3')	101	103
880-1143-28	T-3 (4')	100	103
880-1143-29	T-3 (5')	102	98
880-1143-30	T-3 (6')	100	99
880-1143-31	T-3 (7')	105	104
880-1143-32	T-3 (8')	98	104
880-1143-33	T-3 (9')	123	115
880-1143-34	T-3 (10')	144 S1+	113
880-1143-35	T-4 (0-1') (HA-11-3)	97	100
880-1143-36	T-4 (2')	93	93
880-1143-37	T-4 (3')	102	96
880-1143-38	T-4 (4')	117	109
880-1143-39	T-4 (5')	100	98
880-1143-40	T-4 (6')	109	105
880-1143-41	T-4 (7')	102	99
880-1143-41 MS	T-4 (7')	107	91
880-1143-41 MSD	T-4 (7')	100	87
880-1143-42	T-4 (8')	122	86
880-1143-43	T-5 4(9')	139 S1+	81
880-1143-44	T-4 (10')	101	102

Eurofins Xenco, Midland

Surrogate Summary

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

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)
880-1143-45	T-5 (0-1') (SS-5-3)	97	98
880-1143-46	T-5 (2')	105	102
880-1143-47	T-5 (3')	101	100
880-1143-48	T-6 (4')	106	86
880-1143-49	T-5 (5')	108	81
880-1143-50	T-5 (6')	112	79
880-1143-51	T-5 (7')	94	93
880-1143-52	T-5 (8')	113	82
880-1143-53	T-5 (9')	140 S1+	89
880-1143-54	T-5 (10')	96	98
880-1143-55	T-6 (0-1') (HA-10-3)	97	99
880-1143-56	T-6 (2')	99	99
880-1143-57	T-6 (3')	105	104
880-1143-58	T-6 (4')	115	96
880-1143-59	T-6 (5')	112	87
880-1143-60	T-6 (6')	118	88
880-1143-61	T-6 (7')	92	91
880-1143-62	T-6 (8')	119	101
880-1143-63	T-6 (9')	111	97
880-1143-64	T-6 (10')	95	94
880-1143-65	T-6 (11')	88	90
880-1143-66	T-6 (12')	96	93
880-1143-67	T-7 (0-1') (HA-1-2)	90	90
880-1143-68	T-7 (2')	90	89
880-1143-69	T-7 (3')	96	89
880-1143-70	T-7 (4')	86	87
LCS 880-1554/2-A	Lab Control Sample	102	94
LCS 880-1555/2-A	Lab Control Sample	105	100
LCS 880-1561/2-A	Lab Control Sample	99	92
LCS 880-1563/2-A	Lab Control Sample	93	90
LCS 880-1597/2-A	Lab Control Sample	96	90
LCSD 880-1554/3-A	Lab Control Sample Dup	99	94
LCSD 880-1555/3-A	Lab Control Sample Dup	104	102
LCSD 880-1561/3-A	Lab Control Sample Dup	99	95
LCSD 880-1563/3-A	Lab Control Sample Dup	92	86
LCSD 880-1597/3-A	Lab Control Sample Dup	100	93
MB 880-1554/1-A	Method Blank	95	96
MB 880-1555/1-A	Method Blank	103	112
MB 880-1561/1-A	Method Blank	96	100
MB 880-1563/1-A	Method Blank	95	108
MB 880-1597/1-A	Method Blank	107	109

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-1614/5-A

Matrix: Solid

Analysis Batch: 1619

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1614

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/21 11:04	04/10/21 16:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/10/21 11:04	04/10/21 16:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/10/21 11:04	04/10/21 16:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/10/21 11:04	04/10/21 16:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/10/21 11:04	04/10/21 16:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/10/21 11:04	04/10/21 16:13	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/10/21 11:04	04/10/21 16:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	04/10/21 11:04	04/10/21 16:13	1
1,4-Difluorobenzene (Surr)	101		70 - 130	04/10/21 11:04	04/10/21 16:13	1

Lab Sample ID: LCS 880-1614/1-A

Matrix: Solid

Analysis Batch: 1619

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1614

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09589		mg/Kg		96	70 - 130
Toluene	0.100	0.09960		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.1033		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.2100		mg/Kg		105	70 - 130
o-Xylene	0.100	0.1015		mg/Kg		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-1614/2-A

Matrix: Solid

Analysis Batch: 1619

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1614

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09437		mg/Kg		94	70 - 130	2	35
Toluene	0.100	0.09809		mg/Kg		98	70 - 130	2	35
Ethylbenzene	0.100	0.1013		mg/Kg		101	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2089		mg/Kg		104	70 - 130	1	35
o-Xylene	0.100	0.1003		mg/Kg		100	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: MB 880-1615/5-A

Matrix: Solid

Analysis Batch: 1619

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1615

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/21 11:11	04/11/21 03:49	1

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-1615/5-A

Matrix: Solid

Analysis Batch: 1619

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1615

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00200	U	0.00200		mg/Kg		04/10/21 11:11	04/11/21 03:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/10/21 11:11	04/11/21 03:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/10/21 11:11	04/11/21 03:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/10/21 11:11	04/11/21 03:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/10/21 11:11	04/11/21 03:49	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/10/21 11:11	04/11/21 03:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	04/10/21 11:11	04/11/21 03:49	1
1,4-Difluorobenzene (Surr)	100		70 - 130	04/10/21 11:11	04/11/21 03:49	1

Lab Sample ID: LCS 880-1615/1-A

Matrix: Solid

Analysis Batch: 1619

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1615

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09309		mg/Kg		93	70 - 130
Toluene	0.100	0.09497		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.09583		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	0.200	0.1939		mg/Kg		97	70 - 130
o-Xylene	0.100	0.09572		mg/Kg		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-1615/2-A

Matrix: Solid

Analysis Batch: 1619

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1615

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09687		mg/Kg		97	70 - 130	4	35
Toluene	0.100	0.09655		mg/Kg		97	70 - 130	2	35
Ethylbenzene	0.100	0.09759		mg/Kg		98	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1968		mg/Kg		98	70 - 130	1	35
o-Xylene	0.100	0.09735		mg/Kg		97	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: MB 880-1616/5-A

Matrix: Solid

Analysis Batch: 1621

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1616

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/21 11:38	04/10/21 16:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/10/21 11:38	04/10/21 16:14	1

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-1616/5-A

Matrix: Solid

Analysis Batch: 1621

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1616

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/10/21 11:38	04/10/21 16:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/10/21 11:38	04/10/21 16:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/10/21 11:38	04/10/21 16:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/10/21 11:38	04/10/21 16:14	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/10/21 11:38	04/10/21 16:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	04/10/21 11:38	04/10/21 16:14	1
1,4-Difluorobenzene (Surr)	99		70 - 130	04/10/21 11:38	04/10/21 16:14	1

Lab Sample ID: LCS 880-1616/1-A

Matrix: Solid

Analysis Batch: 1621

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1616

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Benzene	0.100	0.09381		mg/Kg		94	70 - 130
Toluene	0.100	0.09084		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.09083		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	0.200	0.1767		mg/Kg		88	70 - 130
o-Xylene	0.100	0.08761		mg/Kg		88	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-1616/2-A

Matrix: Solid

Analysis Batch: 1621

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1616

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09797		mg/Kg		98	70 - 130	4	35
Toluene	0.100	0.09416		mg/Kg		94	70 - 130	4	35
Ethylbenzene	0.100	0.09529		mg/Kg		95	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.1860		mg/Kg		93	70 - 130	5	35
o-Xylene	0.100	0.09326		mg/Kg		93	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-1617/5-A

Matrix: Solid

Analysis Batch: 1621

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1617

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/21 12:15	04/11/21 02:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/10/21 12:15	04/11/21 02:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/10/21 12:15	04/11/21 02:46	1

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-1617/5-A

Matrix: Solid

Analysis Batch: 1621

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1617

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/10/21 12:15	04/11/21 02:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/10/21 12:15	04/11/21 02:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/10/21 12:15	04/11/21 02:46	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/10/21 12:15	04/11/21 02:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	04/10/21 12:15	04/11/21 02:46	1
1,4-Difluorobenzene (Surr)	98		70 - 130	04/10/21 12:15	04/11/21 02:46	1

Lab Sample ID: LCS 880-1617/1-A

Matrix: Solid

Analysis Batch: 1621

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1617

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: LCSD 880-1617/2-A

Matrix: Solid

Analysis Batch: 1621

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1617

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-1143-27 MS

Matrix: Solid

Analysis Batch: 1621

Client Sample ID: T-3(3')

Prep Type: Total/NA

Prep Batch: 1617

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	221	S1+	70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-1143-27 MSD

Matrix: Solid

Analysis Batch: 1621

Client Sample ID: T-3(3')

Prep Type: Total/NA

Prep Batch: 1617

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	226	S1+	70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: MB 880-1618/5-A

Matrix: Solid

Analysis Batch: 1622

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1618

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/10/21 12:46	04/10/21 16:24	1

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-1618/5-A

Matrix: Solid

Analysis Batch: 1622

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1618

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00200	U	0.00200		mg/Kg		04/10/21 12:46	04/10/21 16:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/10/21 12:46	04/10/21 16:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/10/21 12:46	04/10/21 16:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/10/21 12:46	04/10/21 16:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/10/21 12:46	04/10/21 16:24	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		04/10/21 12:46	04/10/21 16:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	04/10/21 12:46	04/10/21 16:24	1
1,4-Difluorobenzene (Surr)	81		70 - 130	04/10/21 12:46	04/10/21 16:24	1

Lab Sample ID: LCS 880-1618/1-A

Matrix: Solid

Analysis Batch: 1622

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1618

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09370		mg/Kg		94	70 - 130
Toluene	0.100	0.1024		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.09663		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.1923		mg/Kg		96	70 - 130
o-Xylene	0.100	0.09212		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: LCSD 880-1618/2-A

Matrix: Solid

Analysis Batch: 1622

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1618

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.09662		mg/Kg		97	70 - 130	3	35
Toluene	0.100	0.1061		mg/Kg		106	70 - 130	4	35
Ethylbenzene	0.100	0.09654		mg/Kg		97	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.2053		mg/Kg		103	70 - 130	7	35
o-Xylene	0.100	0.09794		mg/Kg		98	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	116		70 - 130

Lab Sample ID: 880-1143-66 MS

Matrix: Solid

Analysis Batch: 1622

Client Sample ID: T-6 (12')

Prep Type: Total/NA

Prep Batch: 1618

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00198	U	0.0998	0.07529		mg/Kg		75	70 - 130
Toluene	<0.00198	U	0.0998	0.08778		mg/Kg		88	70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

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

Lab Sample ID: 880-1143-66 MS

Matrix: Solid

Analysis Batch: 1622

Client Sample ID: T-6 (12')

Prep Type: Total/NA

Prep Batch: 1618

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	0.00347		0.0998	0.09089		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	0.0640		0.200	0.2576		mg/Kg		97	70 - 130
o-Xylene	0.0270		0.0998	0.1230		mg/Kg		96	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-1143-66 MSD

Matrix: Solid

Analysis Batch: 1622

Client Sample ID: T-6 (12')

Prep Type: Total/NA

Prep Batch: 1618

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.0996	0.07979		mg/Kg		80	70 - 130	6	35
Toluene	<0.00198	U	0.0996	0.09567		mg/Kg		96	70 - 130	9	35
Ethylbenzene	0.00347		0.0996	0.09646		mg/Kg		93	70 - 130	6	35
m-Xylene & p-Xylene	0.0640		0.199	0.2461		mg/Kg		91	70 - 130	5	35
o-Xylene	0.0270		0.0996	0.1195		mg/Kg		93	70 - 130	3	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: MB 880-1641/7

Matrix: Solid

Analysis Batch: 1641

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		mg/Kg			04/12/21 13:04	1
Toluene	<0.00200	U	0.00200		mg/Kg			04/12/21 13:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			04/12/21 13:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg			04/12/21 13:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg			04/12/21 13:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			04/12/21 13:04	1
Total BTEX	<0.00200	U	0.00200		mg/Kg			04/12/21 13:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130		04/12/21 13:04	1
1,4-Difluorobenzene (Surr)	102		70 - 130		04/12/21 13:04	1

Lab Sample ID: LCS 880-1644/1-A

Matrix: Solid

Analysis Batch: 1641

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1644

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09645		mg/Kg		96	70 - 130
Toluene	0.100	0.1011		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.1048		mg/Kg		105	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-1644/1-A

Matrix: Solid

Analysis Batch: 1641

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1644

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene	0.200	0.2133		mg/Kg		107	70 - 130
o-Xylene	0.100	0.1025		mg/Kg		103	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-1644/2-A

Matrix: Solid

Analysis Batch: 1641

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1644

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09553		mg/Kg		96	70 - 130	1	35
Toluene	0.100	0.1010		mg/Kg		101	70 - 130	0	35
Ethylbenzene	0.100	0.1043		mg/Kg		104	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2138		mg/Kg		107	70 - 130	0	35
o-Xylene	0.100	0.1034		mg/Kg		103	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

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

Lab Sample ID: MB 880-1554/1-A

Matrix: Solid

Analysis Batch: 1564

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1554

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/09/21 08:52	04/09/21 12:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/09/21 08:52	04/09/21 12:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/09/21 08:52	04/09/21 12:03	1
Total TPH	<50.0	U	50.0		mg/Kg		04/09/21 08:52	04/09/21 12:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	04/09/21 08:52	04/09/21 12:03	1
o-Terphenyl	96		70 - 130	04/09/21 08:52	04/09/21 12:03	1

Lab Sample ID: LCS 880-1554/2-A

Matrix: Solid

Analysis Batch: 1564

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1554

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1123		mg/Kg		112	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1028		mg/Kg		103	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-1554/2-A

Matrix: Solid

Analysis Batch: 1564

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1554

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	94		70 - 130

Lab Sample ID: LCSD 880-1554/3-A

Matrix: Solid

Analysis Batch: 1564

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1554

	Spike	LCSD	LCSD						%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit		
Gasoline Range Organics (GRO)-C6-C10	1000	1128		mg/Kg		113	70 - 130	0	20		
Diesel Range Organics (Over C10-C28)	1000	1007		mg/Kg		101	70 - 130	2	20		

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	94		70 - 130

Lab Sample ID: 880-1143-1 MS

Matrix: Solid

Analysis Batch: 1564

Client Sample ID: T-1 (0-1') (HA-10-4)

Prep Type: Total/NA

Prep Batch: 1554

	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1223		mg/Kg		120	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1117		mg/Kg		110	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: 880-1143-1 MSD

Matrix: Solid

Analysis Batch: 1564

Client Sample ID: T-1 (0-1') (HA-10-4)

Prep Type: Total/NA

Prep Batch: 1554

	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	<49.9	U	998	1225		mg/Kg		120	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1102		mg/Kg		109	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	95		70 - 130

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QC Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

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

Lab Sample ID: MB 880-1555/1-A

Matrix: Solid

Analysis Batch: 1566

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1555

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/09/21 09:11	04/09/21 12:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/09/21 09:11	04/09/21 12:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/09/21 09:11	04/09/21 12:03	1
Total TPH	<50.0	U	50.0		mg/Kg		04/09/21 09:11	04/09/21 12:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	04/09/21 09:11	04/09/21 12:03	1
o-Terphenyl	112		70 - 130	04/09/21 09:11	04/09/21 12:03	1

Lab Sample ID: LCS 880-1555/2-A

Matrix: Solid

Analysis Batch: 1566

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1555

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1281		mg/Kg		128	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1044		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: LCSD 880-1555/3-A

Matrix: Solid

Analysis Batch: 1566

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1555

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1164		mg/Kg		116	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	1000	1057		mg/Kg		106	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	102		70 - 130

Lab Sample ID: 880-1143-21 MS

Matrix: Solid

Analysis Batch: 1566

Client Sample ID: T-2 (7')

Prep Type: Total/NA

Prep Batch: 1555

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	88.9		998	1320		mg/Kg		123	70 - 130
Diesel Range Organics (Over C10-C28)	117		998	1206		mg/Kg		109	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

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

Lab Sample ID: 880-1143-21 MS

Matrix: Solid

Analysis Batch: 1566

Client Sample ID: T-2 (7')

Prep Type: Total/NA

Prep Batch: 1555

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	101		70 - 130

Lab Sample ID: 880-1143-21 MSD

Matrix: Solid

Analysis Batch: 1566

Client Sample ID: T-2 (7')

Prep Type: Total/NA

Prep Batch: 1555

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	88.9		998	1300		mg/Kg		121	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	117		998	1199		mg/Kg		108	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: MB 880-1561/1-A

Matrix: Solid

Analysis Batch: 1564

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1561

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/09/21 10:07	04/09/21 22:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/09/21 10:07	04/09/21 22:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/09/21 10:07	04/09/21 22:08	1
Total TPH	<50.0	U	50.0		mg/Kg		04/09/21 10:07	04/09/21 22:08	1

	MB	MB					Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	96		70 - 130				04/09/21 10:07	04/09/21 22:08	1
o-Terphenyl	100		70 - 130				04/09/21 10:07	04/09/21 22:08	1

Lab Sample ID: LCS 880-1561/2-A

Matrix: Solid

Analysis Batch: 1564

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1561

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1071		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1001		mg/Kg		100	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	92		70 - 130

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QC Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-1561/3-A

Matrix: Solid

Analysis Batch: 1564

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1561

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1096		mg/Kg		110	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1014		mg/Kg		101	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	99		70 - 130						
o-Terphenyl	95		70 - 130						

Lab Sample ID: 880-1143-41 MS

Matrix: Solid

Analysis Batch: 1564

Client Sample ID: T-4 (7')

Prep Type: Total/NA

Prep Batch: 1561

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	<49.9	U	998	1170		mg/Kg		117	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1114		mg/Kg		112	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	107		70 - 130								
o-Terphenyl	91		70 - 130								

Lab Sample ID: 880-1143-41 MSD

Matrix: Solid

Analysis Batch: 1564

Client Sample ID: T-4 (7')

Prep Type: Total/NA

Prep Batch: 1561

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	998	1130		mg/Kg		113	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1054		mg/Kg		106	70 - 130	6	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	100		70 - 130								
o-Terphenyl	87		70 - 130								

Lab Sample ID: MB 880-1563/1-A

Matrix: Solid

Analysis Batch: 1612

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1563

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/09/21 10:28	04/10/21 12:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/09/21 10:28	04/10/21 12:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/09/21 10:28	04/10/21 12:02	1
Total TPH	<50.0	U	50.0		mg/Kg		04/09/21 10:28	04/10/21 12:02	1

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-1563/1-A

Matrix: Solid

Analysis Batch: 1612

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1563

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	04/09/21 10:28	04/10/21 12:02	1
o-Terphenyl	108		70 - 130	04/09/21 10:28	04/10/21 12:02	1

Lab Sample ID: LCS 880-1563/2-A

Matrix: Solid

Analysis Batch: 1612

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1563

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1222		mg/Kg		122	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1129		mg/Kg		113	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: LCSD 880-1563/3-A

Matrix: Solid

Analysis Batch: 1612

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1563

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1058		mg/Kg		106	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	1000	899.0	*1	mg/Kg		90	70 - 130	23	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	86		70 - 130

Lab Sample ID: MB 880-1597/1-A

Matrix: Solid

Analysis Batch: 1612

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1597

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/09/21 15:09	04/10/21 21:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/09/21 15:09	04/10/21 21:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/09/21 15:09	04/10/21 21:36	1
Total TPH	<50.0	U	50.0		mg/Kg		04/09/21 15:09	04/10/21 21:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	04/09/21 15:09	04/10/21 21:36	1
o-Terphenyl	109		70 - 130	04/09/21 15:09	04/10/21 21:36	1

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QC Sample Results

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

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

Lab Sample ID: LCS 880-1597/2-A

Matrix: Solid

Analysis Batch: 1612

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1597

			Spike	LCS	LCS				%Rec.		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1107		mg/Kg		111	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	933.6		mg/Kg		93	70 - 130		
							</				

Lab Sample ID: LCSD 880-1597/3-A

Matrix: Solid

Analysis Batch: 1612

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1597

			Spike	LCSD	LCSD				%Rec.			RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	1249		mg/Kg		125	70 - 130	12	20	
Diesel Range Organics (Over C10-C28)			1000	1172	*1	mg/Kg		117	70 - 130	23	20	
	LCSD	LCSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	100		70 - 130									
o-Terphenyl	93		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-1588/1-A

Matrix: Solid

Analysis Batch: 1688

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		mg/Kg			04/13/21 01:09	1

Lab Sample ID: LCS 880-1588/2-A

Matrix: Solid

Analysis Batch: 1688

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	233.4		mg/Kg		93	90 - 110

Lab Sample ID: LCSD 880-1588/3-A

Matrix: Solid

Analysis Batch: 1688

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	232.8		mg/Kg		93	90 - 110	0	20

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-1143-67 MS

Matrix: Solid

Analysis Batch: 1688

Client Sample ID: T-7 (0-1') (HA-1-2)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	22.5	F1	250	223.9	F1	mg/Kg		81	90 - 110

Lab Sample ID: 880-1143-67 MSD

Matrix: Solid

Analysis Batch: 1688

Client Sample ID: T-7 (0-1') (HA-1-2)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	22.5	F1	250	226.2	F1	mg/Kg		82	90 - 110	1	20

Lab Sample ID: MB 880-1577/1-A

Matrix: Solid

Analysis Batch: 1741

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		mg/Kg			04/13/21 14:48	1

Lab Sample ID: LCS 880-1577/2-A

Matrix: Solid

Analysis Batch: 1741

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	248.3		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-1577/3-A

Matrix: Solid

Analysis Batch: 1741

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	248.2		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-1143-27 MS

Matrix: Solid

Analysis Batch: 1741

Client Sample ID: T-3(3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	6.63		249	262.6		mg/Kg		103	90 - 110

Lab Sample ID: 880-1143-27 MSD

Matrix: Solid

Analysis Batch: 1741

Client Sample ID: T-3(3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	6.63		249	262.7		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-1143-37 MS

Matrix: Solid

Analysis Batch: 1741

Client Sample ID: T-4 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	<5.05	U	253	260.5		mg/Kg		103	90 - 110

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-1143-37 MSD

Matrix: Solid

Analysis Batch: 1741

Client Sample ID: T-4 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	<5.05	U	253	260.9		mg/Kg		103	90 - 110	0	20

Lab Sample ID: MB 880-1587/1-A

Matrix: Solid

Analysis Batch: 1744

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		mg/Kg			04/13/21 18:08	1

Lab Sample ID: LCS 880-1587/2-A

Matrix: Solid

Analysis Batch: 1744

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	233.4		mg/Kg		93	90 - 110

Lab Sample ID: LCSD 880-1587/3-A

Matrix: Solid

Analysis Batch: 1744

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	227.9		mg/Kg		91	90 - 110	2	20

Lab Sample ID: 880-1143-47 MS

Matrix: Solid

Analysis Batch: 1744

Client Sample ID: T-5 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	5.74		250	232.6		mg/Kg		91	90 - 110

Lab Sample ID: 880-1143-47 MSD

Matrix: Solid

Analysis Batch: 1744

Client Sample ID: T-5 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	5.74		250	255.3		mg/Kg		100	90 - 110	9	20

Lab Sample ID: 880-1143-57 MS

Matrix: Solid

Analysis Batch: 1744

Client Sample ID: T-6 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	14.2		248	271.5		mg/Kg		104	90 - 110

Lab Sample ID: 880-1143-57 MSD

Matrix: Solid

Analysis Batch: 1744

Client Sample ID: T-6 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	14.2		248	255.4		mg/Kg		97	90 - 110	6	20

Eurofins Xenco, Midland

QC Sample Results

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-1575/1-A

Matrix: Solid

Analysis Batch: 1745

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		mg/Kg			04/13/21 21:43	1

Lab Sample ID: LCS 880-1575/2-A

Matrix: Solid

Analysis Batch: 1745

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	254.1		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-1575/3-A

Matrix: Solid

Analysis Batch: 1745

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	241.6		mg/Kg		97	90 - 110	5	20

Lab Sample ID: MB 880-1576/1-A

Matrix: Solid

Analysis Batch: 1795

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		mg/Kg			04/14/21 16:24	1

Lab Sample ID: LCS 880-1576/2-A

Matrix: Solid

Analysis Batch: 1795

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	237.5		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-1576/3-A

Matrix: Solid

Analysis Batch: 1795

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	225.2		mg/Kg		90	90 - 110	5	20

Lab Sample ID: 880-1143-7 MS

Matrix: Solid

Analysis Batch: 1795

Client Sample ID: T-1 (7')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	10.5		250	256.7		mg/Kg		98	90 - 110

Lab Sample ID: 880-1143-7 MSD

Matrix: Solid

Analysis Batch: 1795

Client Sample ID: T-1 (7')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	10.5		250	239.6		mg/Kg		92	90 - 110	7	20

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QC Sample Results

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-1143-17 MS										Client Sample ID: T-2 (3')		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 1795												
	Sample	Sample	Spike	MS	MS				%Rec.			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Chloride	21.4		250	264.9		mg/Kg		97	90 - 110			

Lab Sample ID: 880-1143-17 MSD										Client Sample ID: T-2 (3')		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 1795												
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	21.4		250	245.8		mg/Kg		90	90 - 110	7	20	

QC Association Summary

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

GC VOA

Prep Batch: 1614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-67	T-7 (0-1') (HA-1-2)	Total/NA	Solid	5035	
880-1143-68	T-7 (2')	Total/NA	Solid	5035	
880-1143-69	T-7 (3')	Total/NA	Solid	5035	
880-1143-70	T-7 (4')	Total/NA	Solid	5035	
MB 880-1614/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1614/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1614/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 1615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-1	T-1 (0-1') (HA-10-4)	Total/NA	Solid	5035	
880-1143-2	T-1 (2')	Total/NA	Solid	5035	
880-1143-3	T-1 (3')	Total/NA	Solid	5035	
880-1143-4	T-1 (4')	Total/NA	Solid	5035	
880-1143-5	T-1 (5')	Total/NA	Solid	5035	
880-1143-6	T-1 (6')	Total/NA	Solid	5035	
MB 880-1615/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1615/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1615/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 1616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-7	T-1 (7')	Total/NA	Solid	5035	
880-1143-7	T-1 (7')	Total/NA	Solid	5035	
880-1143-7	T-1 (7')	Total/NA	Solid	5035	
880-1143-8	T-1 (8')	Total/NA	Solid	5035	
880-1143-9	T-1 (9')	Total/NA	Solid	5035	
880-1143-10	T-1 (10')	Total/NA	Solid	5035	
880-1143-11	T-1 (11')	Total/NA	Solid	5035	
880-1143-12	T-1 (12')	Total/NA	Solid	5035	
880-1143-13	T-1 (13')	Total/NA	Solid	5035	
880-1143-14	T-1 (14')	Total/NA	Solid	5035	
880-1143-15	T-2 (0-1') HA-11-4)	Total/NA	Solid	5035	
880-1143-16	T-2 (2')	Total/NA	Solid	5035	
880-1143-17	T-2 (3')	Total/NA	Solid	5035	
880-1143-18	T-2 (4')	Total/NA	Solid	5035	
880-1143-19	T-2 (5')	Total/NA	Solid	5035	
880-1143-20	T-2 (6')	Total/NA	Solid	5035	
880-1143-21	T-2 (7')	Total/NA	Solid	5035	
880-1143-22	T-2 (8')	Total/NA	Solid	5035	
880-1143-23	T-2 (9')	Total/NA	Solid	5035	
880-1143-24	T-2 (10')	Total/NA	Solid	5035	
880-1143-25	T-3 (0-1') (SS-12-3)	Total/NA	Solid	5035	
880-1143-26	T-3 (2')	Total/NA	Solid	5035	
MB 880-1616/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1616/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1616/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 1617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-27	T-3(3')	Total/NA	Solid	5035	

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QC Association Summary

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

GC VOA (Continued)

Prep Batch: 1617 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-28	T-3 (4')	Total/NA	Solid	5035	
880-1143-29	T-3 (5')	Total/NA	Solid	5035	
880-1143-30	T-3 (6')	Total/NA	Solid	5035	
880-1143-31	T-3 (7')	Total/NA	Solid	5035	
880-1143-32	T-3 (8')	Total/NA	Solid	5035	
880-1143-33	T-3 (9')	Total/NA	Solid	5035	
880-1143-34	T-3 (10')	Total/NA	Solid	5035	
880-1143-35	T-4 (0-1') (HA-11-3)	Total/NA	Solid	5035	
880-1143-36	T-4 (2')	Total/NA	Solid	5035	
880-1143-37	T-4 (3')	Total/NA	Solid	5035	
880-1143-38	T-4 (4')	Total/NA	Solid	5035	
880-1143-39	T-4 (5')	Total/NA	Solid	5035	
880-1143-40	T-4 (6')	Total/NA	Solid	5035	
880-1143-41	T-4 (7')	Total/NA	Solid	5035	
880-1143-42	T-4 (8')	Total/NA	Solid	5035	
880-1143-43	T-5 4(9')	Total/NA	Solid	5035	
880-1143-44	T-4 (10')	Total/NA	Solid	5035	
880-1143-45	T-5 (0-1') (SS-5-3)	Total/NA	Solid	5035	
880-1143-46	T-5 (2')	Total/NA	Solid	5035	
MB 880-1617/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1617/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1617/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-1143-27 MS	T-3(3')	Total/NA	Solid	5035	
880-1143-27 MSD	T-3(3')	Total/NA	Solid	5035	

Prep Batch: 1618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-47	T-5 (3')	Total/NA	Solid	5035	
880-1143-48	T-6 (4')	Total/NA	Solid	5035	
880-1143-49	T-5 (5')	Total/NA	Solid	5035	
880-1143-50	T-5 (6')	Total/NA	Solid	5035	
880-1143-51	T-5 (7')	Total/NA	Solid	5035	
880-1143-52	T-5 (8')	Total/NA	Solid	5035	
880-1143-53	T-5 (9')	Total/NA	Solid	5035	
880-1143-54	T-5 (10')	Total/NA	Solid	5035	
880-1143-55	T-6 (0-1') (HA-10-3)	Total/NA	Solid	5035	
880-1143-56	T-6 (2')	Total/NA	Solid	5035	
880-1143-57	T-6 (3')	Total/NA	Solid	5035	
880-1143-58	T-6 (4')	Total/NA	Solid	5035	
880-1143-59	T-6 (5')	Total/NA	Solid	5035	
880-1143-60	T-6 (6')	Total/NA	Solid	5035	
880-1143-61	T-6 (7')	Total/NA	Solid	5035	
880-1143-63	T-6 (9')	Total/NA	Solid	5035	
880-1143-64	T-6 (10')	Total/NA	Solid	5035	
880-1143-65	T-6 (11')	Total/NA	Solid	5035	
880-1143-66	T-6 (12')	Total/NA	Solid	5035	
MB 880-1618/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1618/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1618/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-1143-66 MS	T-6 (12')	Total/NA	Solid	5035	
880-1143-66 MSD	T-6 (12')	Total/NA	Solid	5035	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

GC VOA

Analysis Batch: 1619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-1	T-1 (0-1') (HA-10-4)	Total/NA	Solid	8021B	1615
880-1143-2	T-1 (2')	Total/NA	Solid	8021B	1615
880-1143-3	T-1 (3')	Total/NA	Solid	8021B	1615
880-1143-4	T-1 (4')	Total/NA	Solid	8021B	1615
880-1143-5	T-1 (5')	Total/NA	Solid	8021B	1615
880-1143-6	T-1 (6')	Total/NA	Solid	8021B	1615
880-1143-67	T-7 (0-1') (HA-1-2)	Total/NA	Solid	8021B	1614
880-1143-68	T-7 (2')	Total/NA	Solid	8021B	1614
880-1143-69	T-7 (3')	Total/NA	Solid	8021B	1614
880-1143-70	T-7 (4')	Total/NA	Solid	8021B	1614
MB 880-1614/5-A	Method Blank	Total/NA	Solid	8021B	1614
MB 880-1615/5-A	Method Blank	Total/NA	Solid	8021B	1615
LCS 880-1614/1-A	Lab Control Sample	Total/NA	Solid	8021B	1614
LCS 880-1615/1-A	Lab Control Sample	Total/NA	Solid	8021B	1615
LCSD 880-1614/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1614
LCSD 880-1615/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1615

Analysis Batch: 1621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-7	T-1 (7')	Total/NA	Solid	8021B	1616
880-1143-7	T-1 (7')	Total/NA	Solid	8021B	1616
880-1143-7	T-1 (7')	Total/NA	Solid	8021B	1616
880-1143-8	T-1 (8')	Total/NA	Solid	8021B	1616
880-1143-9	T-1 (9')	Total/NA	Solid	8021B	1616
880-1143-10	T-1 (10')	Total/NA	Solid	8021B	1616
880-1143-11	T-1 (11')	Total/NA	Solid	8021B	1616
880-1143-12	T-1 (12')	Total/NA	Solid	8021B	1616
880-1143-13	T-1 (13')	Total/NA	Solid	8021B	1616
880-1143-14	T-1 (14')	Total/NA	Solid	8021B	1616
880-1143-15	T-2 (0-1') HA-11-4)	Total/NA	Solid	8021B	1616
880-1143-16	T-2 (2')	Total/NA	Solid	8021B	1616
880-1143-17	T-2 (3')	Total/NA	Solid	8021B	1616
880-1143-18	T-2 (4')	Total/NA	Solid	8021B	1616
880-1143-19	T-2 (5')	Total/NA	Solid	8021B	1616
880-1143-20	T-2 (6')	Total/NA	Solid	8021B	1616
880-1143-21	T-2 (7')	Total/NA	Solid	8021B	1616
880-1143-22	T-2 (8')	Total/NA	Solid	8021B	1616
880-1143-23	T-2 (9')	Total/NA	Solid	8021B	1616
880-1143-24	T-2 (10')	Total/NA	Solid	8021B	1616
880-1143-25	T-3 (0-1') (SS-12-3)	Total/NA	Solid	8021B	1616
880-1143-26	T-3 (2')	Total/NA	Solid	8021B	1616
880-1143-27	T-3(3')	Total/NA	Solid	8021B	1617
880-1143-28	T-3 (4')	Total/NA	Solid	8021B	1617
880-1143-29	T-3 (5')	Total/NA	Solid	8021B	1617
880-1143-30	T-3 (6')	Total/NA	Solid	8021B	1617
880-1143-31	T-3 (7')	Total/NA	Solid	8021B	1617
880-1143-32	T-3 (8')	Total/NA	Solid	8021B	1617
880-1143-33	T-3 (9')	Total/NA	Solid	8021B	1617
880-1143-34	T-3 (10')	Total/NA	Solid	8021B	1617
880-1143-35	T-4 (0-1') (HA-11-3)	Total/NA	Solid	8021B	1617
880-1143-36	T-4 (2')	Total/NA	Solid	8021B	1617

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

GC VOA (Continued)

Analysis Batch: 1621 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-37	T-4 (3')	Total/NA	Solid	8021B	1617
880-1143-38	T-4 (4')	Total/NA	Solid	8021B	1617
880-1143-39	T-4 (5')	Total/NA	Solid	8021B	1617
880-1143-40	T-4 (6')	Total/NA	Solid	8021B	1617
880-1143-41	T-4 (7')	Total/NA	Solid	8021B	1617
880-1143-42	T-4 (8')	Total/NA	Solid	8021B	1617
880-1143-43	T-5 4(9')	Total/NA	Solid	8021B	1617
880-1143-44	T-4 (10')	Total/NA	Solid	8021B	1617
880-1143-45	T-5 (0-1') (SS-5-3)	Total/NA	Solid	8021B	1617
880-1143-46	T-5 (2')	Total/NA	Solid	8021B	1617
MB 880-1616/5-A	Method Blank	Total/NA	Solid	8021B	1616
MB 880-1617/5-A	Method Blank	Total/NA	Solid	8021B	1617
LCS 880-1616/1-A	Lab Control Sample	Total/NA	Solid	8021B	1616
LCS 880-1617/1-A	Lab Control Sample	Total/NA	Solid	8021B	1617
LCSD 880-1616/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1616
LCSD 880-1617/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1617
880-1143-27 MS	T-3(3')	Total/NA	Solid	8021B	1617
880-1143-27 MSD	T-3(3')	Total/NA	Solid	8021B	1617

Analysis Batch: 1622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-47	T-5 (3')	Total/NA	Solid	8021B	1618
880-1143-48	T-6 (4')	Total/NA	Solid	8021B	1618
880-1143-49	T-5 (5')	Total/NA	Solid	8021B	1618
880-1143-50	T-5 (6')	Total/NA	Solid	8021B	1618
880-1143-51	T-5 (7')	Total/NA	Solid	8021B	1618
880-1143-52	T-5 (8')	Total/NA	Solid	8021B	1618
880-1143-53	T-5 (9')	Total/NA	Solid	8021B	1618
880-1143-54	T-5 (10')	Total/NA	Solid	8021B	1618
880-1143-55	T-6 (0-1') (HA-10-3)	Total/NA	Solid	8021B	1618
880-1143-56	T-6 (2')	Total/NA	Solid	8021B	1618
880-1143-57	T-6 (3')	Total/NA	Solid	8021B	1618
880-1143-58	T-6 (4')	Total/NA	Solid	8021B	1618
880-1143-59	T-6 (5')	Total/NA	Solid	8021B	1618
880-1143-60	T-6 (6')	Total/NA	Solid	8021B	1618
880-1143-61	T-6 (7')	Total/NA	Solid	8021B	1618
880-1143-63	T-6 (9')	Total/NA	Solid	8021B	1618
880-1143-64	T-6 (10')	Total/NA	Solid	8021B	1618
880-1143-65	T-6 (11')	Total/NA	Solid	8021B	1618
880-1143-66	T-6 (12')	Total/NA	Solid	8021B	1618
MB 880-1618/5-A	Method Blank	Total/NA	Solid	8021B	1618
LCS 880-1618/1-A	Lab Control Sample	Total/NA	Solid	8021B	1618
LCSD 880-1618/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1618
880-1143-66 MS	T-6 (12')	Total/NA	Solid	8021B	1618
880-1143-66 MSD	T-6 (12')	Total/NA	Solid	8021B	1618

Analysis Batch: 1641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-9	T-1 (9')	Total/NA	Solid	8021B	1644
880-1143-10	T-1 (10')	Total/NA	Solid	8021B	1644
880-1143-11	T-1 (11')	Total/NA	Solid	8021B	1644

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

GC VOA (Continued)

Analysis Batch: 1641 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-13	T-1 (13')	Total/NA	Solid	8021B	1644
880-1143-24	T-2 (10')	Total/NA	Solid	8021B	1644
880-1143-33	T-3 (9')	Total/NA	Solid	8021B	1644
880-1143-34	T-3 (10')	Total/NA	Solid	8021B	1644
880-1143-42	T-4 (8')	Total/NA	Solid	8021B	1644
880-1143-43	T-5 4(9')	Total/NA	Solid	8021B	1644
880-1143-49	T-5 (5')	Total/NA	Solid	8021B	1644
880-1143-50	T-5 (6')	Total/NA	Solid	8021B	1644
880-1143-52	T-5 (8')	Total/NA	Solid	8021B	1644
880-1143-62	T-6 (8')	Total/NA	Solid	8021B	1644
880-1143-63	T-6 (9')	Total/NA	Solid	8021B	1644
MB 880-1641/7	Method Blank	Total/NA	Solid	8021B	
LCS 880-1644/1-A	Lab Control Sample	Total/NA	Solid	8021B	1644
LCSD 880-1644/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1644

Prep Batch: 1644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-9	T-1 (9')	Total/NA	Solid	5035	
880-1143-10	T-1 (10')	Total/NA	Solid	5035	
880-1143-11	T-1 (11')	Total/NA	Solid	5035	
880-1143-13	T-1 (13')	Total/NA	Solid	5035	
880-1143-24	T-2 (10')	Total/NA	Solid	5035	
880-1143-33	T-3 (9')	Total/NA	Solid	5035	
880-1143-34	T-3 (10')	Total/NA	Solid	5035	
880-1143-42	T-4 (8')	Total/NA	Solid	5035	
880-1143-43	T-5 4(9')	Total/NA	Solid	5035	
880-1143-49	T-5 (5')	Total/NA	Solid	5035	
880-1143-50	T-5 (6')	Total/NA	Solid	5035	
880-1143-52	T-5 (8')	Total/NA	Solid	5035	
880-1143-62	T-6 (8')	Total/NA	Solid	5035	
880-1143-63	T-6 (9')	Total/NA	Solid	5035	
LCS 880-1644/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1644/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 1554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-1	T-1 (0-1') (HA-10-4)	Total/NA	Solid	8015NM Prep	
880-1143-2	T-1 (2')	Total/NA	Solid	8015NM Prep	
880-1143-3	T-1 (3')	Total/NA	Solid	8015NM Prep	
880-1143-4	T-1 (4')	Total/NA	Solid	8015NM Prep	
880-1143-5	T-1 (5')	Total/NA	Solid	8015NM Prep	
880-1143-6	T-1 (6')	Total/NA	Solid	8015NM Prep	
880-1143-7	T-1 (7')	Total/NA	Solid	8015NM Prep	
880-1143-8	T-1 (8')	Total/NA	Solid	8015NM Prep	
880-1143-9	T-1 (9')	Total/NA	Solid	8015NM Prep	
880-1143-10	T-1 (10')	Total/NA	Solid	8015NM Prep	
880-1143-11	T-1 (11')	Total/NA	Solid	8015NM Prep	
880-1143-12	T-1 (12')	Total/NA	Solid	8015NM Prep	
880-1143-13	T-1 (13')	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

GC Semi VOA (Continued)

Prep Batch: 1554 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-14	T-1 (14')	Total/NA	Solid	8015NM Prep	
880-1143-15	T-2 (0-1') HA-11-4)	Total/NA	Solid	8015NM Prep	
880-1143-16	T-2 (2')	Total/NA	Solid	8015NM Prep	
880-1143-17	T-2 (3')	Total/NA	Solid	8015NM Prep	
880-1143-18	T-2 (4')	Total/NA	Solid	8015NM Prep	
880-1143-19	T-2 (5')	Total/NA	Solid	8015NM Prep	
880-1143-20	T-2 (6')	Total/NA	Solid	8015NM Prep	
MB 880-1554/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1554/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1554/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-1143-1 MS	T-1 (0-1') (HA-10-4)	Total/NA	Solid	8015NM Prep	
880-1143-1 MSD	T-1 (0-1') (HA-10-4)	Total/NA	Solid	8015NM Prep	

Prep Batch: 1555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-21	T-2 (7')	Total/NA	Solid	8015NM Prep	
880-1143-22	T-2 (8')	Total/NA	Solid	8015NM Prep	
880-1143-23	T-2 (9')	Total/NA	Solid	8015NM Prep	
880-1143-24	T-2 (10')	Total/NA	Solid	8015NM Prep	
880-1143-25	T-3 (0-1') (SS-12-3)	Total/NA	Solid	8015NM Prep	
880-1143-26	T-3 (2')	Total/NA	Solid	8015NM Prep	
880-1143-27	T-3(3')	Total/NA	Solid	8015NM Prep	
880-1143-28	T-3 (4')	Total/NA	Solid	8015NM Prep	
880-1143-29	T-3 (5')	Total/NA	Solid	8015NM Prep	
880-1143-30	T-3 (6')	Total/NA	Solid	8015NM Prep	
880-1143-31	T-3 (7')	Total/NA	Solid	8015NM Prep	
880-1143-32	T-3 (8')	Total/NA	Solid	8015NM Prep	
880-1143-33	T-3 (9')	Total/NA	Solid	8015NM Prep	
880-1143-34	T-3 (10')	Total/NA	Solid	8015NM Prep	
880-1143-35	T-4 (0-1') (HA-11-3)	Total/NA	Solid	8015NM Prep	
880-1143-36	T-4 (2')	Total/NA	Solid	8015NM Prep	
880-1143-37	T-4 (3')	Total/NA	Solid	8015NM Prep	
880-1143-38	T-4 (4')	Total/NA	Solid	8015NM Prep	
880-1143-39	T-4 (5')	Total/NA	Solid	8015NM Prep	
880-1143-40	T-4 (6')	Total/NA	Solid	8015NM Prep	
MB 880-1555/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1555/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1555/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-1143-21 MS	T-2 (7')	Total/NA	Solid	8015NM Prep	
880-1143-21 MSD	T-2 (7')	Total/NA	Solid	8015NM Prep	

Prep Batch: 1561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-41	T-4 (7')	Total/NA	Solid	8015NM Prep	
880-1143-42	T-4 (8')	Total/NA	Solid	8015NM Prep	
880-1143-43	T-5 4(9')	Total/NA	Solid	8015NM Prep	
880-1143-44	T-4 (10')	Total/NA	Solid	8015NM Prep	
880-1143-45	T-5 (0-1') (SS-5-3)	Total/NA	Solid	8015NM Prep	
880-1143-46	T-5 (2')	Total/NA	Solid	8015NM Prep	
880-1143-47	T-5 (3')	Total/NA	Solid	8015NM Prep	
880-1143-48	T-6 (4')	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

GC Semi VOA (Continued)

Prep Batch: 1561 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-49	T-5 (5')	Total/NA	Solid	8015NM Prep	
880-1143-50	T-5 (6')	Total/NA	Solid	8015NM Prep	
880-1143-51	T-5 (7')	Total/NA	Solid	8015NM Prep	
880-1143-52	T-5 (8')	Total/NA	Solid	8015NM Prep	
880-1143-53	T-5 (9')	Total/NA	Solid	8015NM Prep	
880-1143-54	T-5 (10')	Total/NA	Solid	8015NM Prep	
880-1143-55	T-6 (0-1') (HA-10-3)	Total/NA	Solid	8015NM Prep	
880-1143-56	T-6 (2')	Total/NA	Solid	8015NM Prep	
880-1143-57	T-6 (3')	Total/NA	Solid	8015NM Prep	
880-1143-58	T-6 (4')	Total/NA	Solid	8015NM Prep	
880-1143-59	T-6 (5')	Total/NA	Solid	8015NM Prep	
880-1143-60	T-6 (6')	Total/NA	Solid	8015NM Prep	
MB 880-1561/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1561/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1561/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-1143-41 MS	T-4 (7')	Total/NA	Solid	8015NM Prep	
880-1143-41 MSD	T-4 (7')	Total/NA	Solid	8015NM Prep	

Prep Batch: 1563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-61	T-6 (7')	Total/NA	Solid	8015NM Prep	
880-1143-62	T-6 (8')	Total/NA	Solid	8015NM Prep	
880-1143-63	T-6 (9')	Total/NA	Solid	8015NM Prep	
880-1143-64	T-6 (10')	Total/NA	Solid	8015NM Prep	
880-1143-65	T-6 (11')	Total/NA	Solid	8015NM Prep	
880-1143-66	T-6 (12')	Total/NA	Solid	8015NM Prep	
MB 880-1563/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1563/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1563/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 1564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-1	T-1 (0-1') (HA-10-4)	Total/NA	Solid	8015B NM	1554
880-1143-2	T-1 (2')	Total/NA	Solid	8015B NM	1554
880-1143-3	T-1 (3')	Total/NA	Solid	8015B NM	1554
880-1143-4	T-1 (4')	Total/NA	Solid	8015B NM	1554
880-1143-5	T-1 (5')	Total/NA	Solid	8015B NM	1554
880-1143-6	T-1 (6')	Total/NA	Solid	8015B NM	1554
880-1143-7	T-1 (7')	Total/NA	Solid	8015B NM	1554
880-1143-8	T-1 (8')	Total/NA	Solid	8015B NM	1554
880-1143-9	T-1 (9')	Total/NA	Solid	8015B NM	1554
880-1143-10	T-1 (10')	Total/NA	Solid	8015B NM	1554
880-1143-11	T-1 (11')	Total/NA	Solid	8015B NM	1554
880-1143-12	T-1 (12')	Total/NA	Solid	8015B NM	1554
880-1143-13	T-1 (13')	Total/NA	Solid	8015B NM	1554
880-1143-14	T-1 (14')	Total/NA	Solid	8015B NM	1554
880-1143-15	T-2 (0-1') HA-11-4)	Total/NA	Solid	8015B NM	1554
880-1143-16	T-2 (2')	Total/NA	Solid	8015B NM	1554
880-1143-17	T-2 (3')	Total/NA	Solid	8015B NM	1554
880-1143-18	T-2 (4')	Total/NA	Solid	8015B NM	1554
880-1143-19	T-2 (5')	Total/NA	Solid	8015B NM	1554

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 1564 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-20	T-2 (6')	Total/NA	Solid	8015B NM	1554
880-1143-41	T-4 (7')	Total/NA	Solid	8015B NM	1561
880-1143-42	T-4 (8')	Total/NA	Solid	8015B NM	1561
880-1143-43	T-5 4(9')	Total/NA	Solid	8015B NM	1561
880-1143-44	T-4 (10')	Total/NA	Solid	8015B NM	1561
880-1143-45	T-5 (0-1') (SS-5-3)	Total/NA	Solid	8015B NM	1561
880-1143-46	T-5 (2')	Total/NA	Solid	8015B NM	1561
880-1143-47	T-5 (3')	Total/NA	Solid	8015B NM	1561
880-1143-48	T-6 (4')	Total/NA	Solid	8015B NM	1561
880-1143-49	T-5 (5')	Total/NA	Solid	8015B NM	1561
880-1143-50	T-5 (6')	Total/NA	Solid	8015B NM	1561
880-1143-51	T-5 (7')	Total/NA	Solid	8015B NM	1561
880-1143-52	T-5 (8')	Total/NA	Solid	8015B NM	1561
880-1143-53	T-5 (9')	Total/NA	Solid	8015B NM	1561
880-1143-54	T-5 (10')	Total/NA	Solid	8015B NM	1561
880-1143-55	T-6 (0-1') (HA-10-3)	Total/NA	Solid	8015B NM	1561
880-1143-56	T-6 (2')	Total/NA	Solid	8015B NM	1561
880-1143-57	T-6 (3')	Total/NA	Solid	8015B NM	1561
880-1143-58	T-6 (4')	Total/NA	Solid	8015B NM	1561
880-1143-59	T-6 (5')	Total/NA	Solid	8015B NM	1561
880-1143-60	T-6 (6')	Total/NA	Solid	8015B NM	1561
MB 880-1554/1-A	Method Blank	Total/NA	Solid	8015B NM	1554
MB 880-1561/1-A	Method Blank	Total/NA	Solid	8015B NM	1561
LCS 880-1554/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1554
LCS 880-1561/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1561
LCSD 880-1554/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1554
LCSD 880-1561/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1561
880-1143-1 MS	T-1 (0-1') (HA-10-4)	Total/NA	Solid	8015B NM	1554
880-1143-1 MSD	T-1 (0-1') (HA-10-4)	Total/NA	Solid	8015B NM	1554
880-1143-41 MS	T-4 (7')	Total/NA	Solid	8015B NM	1561
880-1143-41 MSD	T-4 (7')	Total/NA	Solid	8015B NM	1561

Analysis Batch: 1566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-21	T-2 (7')	Total/NA	Solid	8015B NM	1555
880-1143-22	T-2 (8')	Total/NA	Solid	8015B NM	1555
880-1143-23	T-2 (9')	Total/NA	Solid	8015B NM	1555
880-1143-24	T-2 (10')	Total/NA	Solid	8015B NM	1555
880-1143-25	T-3 (0-1') (SS-12-3)	Total/NA	Solid	8015B NM	1555
880-1143-26	T-3 (2')	Total/NA	Solid	8015B NM	1555
880-1143-27	T-3(3')	Total/NA	Solid	8015B NM	1555
880-1143-28	T-3 (4')	Total/NA	Solid	8015B NM	1555
880-1143-29	T-3 (5')	Total/NA	Solid	8015B NM	1555
880-1143-30	T-3 (6')	Total/NA	Solid	8015B NM	1555
880-1143-31	T-3 (7')	Total/NA	Solid	8015B NM	1555
880-1143-32	T-3 (8')	Total/NA	Solid	8015B NM	1555
880-1143-33	T-3 (9')	Total/NA	Solid	8015B NM	1555
880-1143-34	T-3 (10')	Total/NA	Solid	8015B NM	1555
880-1143-35	T-4 (0-1') (HA-11-3)	Total/NA	Solid	8015B NM	1555
880-1143-36	T-4 (2')	Total/NA	Solid	8015B NM	1555
880-1143-37	T-4 (3')	Total/NA	Solid	8015B NM	1555

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

GC Semi VOA (Continued)

Analysis Batch: 1566 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-38	T-4 (4')	Total/NA	Solid	8015B NM	1555
880-1143-39	T-4 (5')	Total/NA	Solid	8015B NM	1555
880-1143-40	T-4 (6')	Total/NA	Solid	8015B NM	1555
MB 880-1555/1-A	Method Blank	Total/NA	Solid	8015B NM	1555
LCS 880-1555/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1555
LCSD 880-1555/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1555
880-1143-21 MS	T-2 (7')	Total/NA	Solid	8015B NM	1555
880-1143-21 MSD	T-2 (7')	Total/NA	Solid	8015B NM	1555

Prep Batch: 1597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-67	T-7 (0-1') (HA-1-2)	Total/NA	Solid	8015NM Prep	
880-1143-68	T-7 (2')	Total/NA	Solid	8015NM Prep	
880-1143-69	T-7 (3')	Total/NA	Solid	8015NM Prep	
880-1143-70	T-7 (4')	Total/NA	Solid	8015NM Prep	
MB 880-1597/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1597/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1597/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 1612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-61	T-6 (7')	Total/NA	Solid	8015B NM	1563
880-1143-62	T-6 (8')	Total/NA	Solid	8015B NM	1563
880-1143-63	T-6 (9')	Total/NA	Solid	8015B NM	1563
880-1143-64	T-6 (10')	Total/NA	Solid	8015B NM	1563
880-1143-65	T-6 (11')	Total/NA	Solid	8015B NM	1563
880-1143-66	T-6 (12')	Total/NA	Solid	8015B NM	1563
880-1143-67	T-7 (0-1') (HA-1-2)	Total/NA	Solid	8015B NM	1597
880-1143-68	T-7 (2')	Total/NA	Solid	8015B NM	1597
880-1143-69	T-7 (3')	Total/NA	Solid	8015B NM	1597
880-1143-70	T-7 (4')	Total/NA	Solid	8015B NM	1597
MB 880-1563/1-A	Method Blank	Total/NA	Solid	8015B NM	1563
MB 880-1597/1-A	Method Blank	Total/NA	Solid	8015B NM	1597
LCS 880-1563/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1563
LCS 880-1597/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1597
LCSD 880-1563/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1563
LCSD 880-1597/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1597

HPLC/IC

Leach Batch: 1575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-1	T-1 (0-1') (HA-10-4)	Soluble	Solid	DI Leach	
880-1143-2	T-1 (2')	Soluble	Solid	DI Leach	
880-1143-3	T-1 (3')	Soluble	Solid	DI Leach	
880-1143-4	T-1 (4')	Soluble	Solid	DI Leach	
880-1143-5	T-1 (5')	Soluble	Solid	DI Leach	
880-1143-6	T-1 (6')	Soluble	Solid	DI Leach	
MB 880-1575/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1575/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1575/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

HPLC/IC

Leach Batch: 1576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-7	T-1 (7')	Soluble	Solid	DI Leach	
880-1143-8	T-1 (8')	Soluble	Solid	DI Leach	
880-1143-9	T-1 (9')	Soluble	Solid	DI Leach	
880-1143-10	T-1 (10')	Soluble	Solid	DI Leach	
880-1143-11	T-1 (11')	Soluble	Solid	DI Leach	
880-1143-12	T-1 (12')	Soluble	Solid	DI Leach	
880-1143-13	T-1 (13')	Soluble	Solid	DI Leach	
880-1143-14	T-1 (14')	Soluble	Solid	DI Leach	
880-1143-15	T-2 (0-1') HA-11-4)	Soluble	Solid	DI Leach	
880-1143-16	T-2 (2')	Soluble	Solid	DI Leach	
880-1143-17	T-2 (3')	Soluble	Solid	DI Leach	
880-1143-18	T-2 (4')	Soluble	Solid	DI Leach	
880-1143-19	T-2 (5')	Soluble	Solid	DI Leach	
880-1143-20	T-2 (6')	Soluble	Solid	DI Leach	
880-1143-21	T-2 (7')	Soluble	Solid	DI Leach	
880-1143-22	T-2 (8')	Soluble	Solid	DI Leach	
880-1143-23	T-2 (9')	Soluble	Solid	DI Leach	
880-1143-24	T-2 (10')	Soluble	Solid	DI Leach	
880-1143-25	T-3 (0-1') (SS-12-3)	Soluble	Solid	DI Leach	
880-1143-26	T-3 (2')	Soluble	Solid	DI Leach	
MB 880-1576/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1576/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1576/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-1143-7 MS	T-1 (7')	Soluble	Solid	DI Leach	
880-1143-7 MSD	T-1 (7')	Soluble	Solid	DI Leach	
880-1143-17 MS	T-2 (3')	Soluble	Solid	DI Leach	
880-1143-17 MSD	T-2 (3')	Soluble	Solid	DI Leach	

Leach Batch: 1577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-27	T-3 (3')	Soluble	Solid	DI Leach	
880-1143-28	T-3 (4')	Soluble	Solid	DI Leach	
880-1143-29	T-3 (5')	Soluble	Solid	DI Leach	
880-1143-30	T-3 (6')	Soluble	Solid	DI Leach	
880-1143-31	T-3 (7')	Soluble	Solid	DI Leach	
880-1143-32	T-3 (8')	Soluble	Solid	DI Leach	
880-1143-33	T-3 (9')	Soluble	Solid	DI Leach	
880-1143-34	T-3 (10')	Soluble	Solid	DI Leach	
880-1143-35	T-4 (0-1') (HA-11-3)	Soluble	Solid	DI Leach	
880-1143-36	T-4 (2')	Soluble	Solid	DI Leach	
880-1143-37	T-4 (3')	Soluble	Solid	DI Leach	
880-1143-38	T-4 (4')	Soluble	Solid	DI Leach	
880-1143-39	T-4 (5')	Soluble	Solid	DI Leach	
880-1143-40	T-4 (6')	Soluble	Solid	DI Leach	
880-1143-41	T-4 (7')	Soluble	Solid	DI Leach	
880-1143-42	T-4 (8')	Soluble	Solid	DI Leach	
880-1143-43	T-5 4(9')	Soluble	Solid	DI Leach	
880-1143-44	T-4 (10')	Soluble	Solid	DI Leach	
880-1143-45	T-5 (0-1') (SS-5-3)	Soluble	Solid	DI Leach	
880-1143-46	T-5 (2')	Soluble	Solid	DI Leach	
MB 880-1577/1-A	Method Blank	Soluble	Solid	DI Leach	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

HPLC/IC (Continued)

Leach Batch: 1577 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-1577/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1577/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-1143-27 MS	T-3(3')	Soluble	Solid	DI Leach	
880-1143-27 MSD	T-3(3')	Soluble	Solid	DI Leach	
880-1143-37 MS	T-4 (3')	Soluble	Solid	DI Leach	
880-1143-37 MSD	T-4 (3')	Soluble	Solid	DI Leach	

Leach Batch: 1587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-47	T-5 (3')	Soluble	Solid	DI Leach	
880-1143-48	T-6 (4')	Soluble	Solid	DI Leach	
880-1143-49	T-5 (5')	Soluble	Solid	DI Leach	
880-1143-50	T-5 (6')	Soluble	Solid	DI Leach	
880-1143-51	T-5 (7')	Soluble	Solid	DI Leach	
880-1143-52	T-5 (8')	Soluble	Solid	DI Leach	
880-1143-53	T-5 (9')	Soluble	Solid	DI Leach	
880-1143-54	T-5 (10')	Soluble	Solid	DI Leach	
880-1143-55	T-6 (0-1') (HA-10-3)	Soluble	Solid	DI Leach	
880-1143-56	T-6 (2')	Soluble	Solid	DI Leach	
880-1143-57	T-6 (3')	Soluble	Solid	DI Leach	
880-1143-58	T-6 (4')	Soluble	Solid	DI Leach	
880-1143-59	T-6 (5')	Soluble	Solid	DI Leach	
880-1143-60	T-6 (6')	Soluble	Solid	DI Leach	
880-1143-61	T-6 (7')	Soluble	Solid	DI Leach	
880-1143-62	T-6 (8')	Soluble	Solid	DI Leach	
880-1143-63	T-6 (9')	Soluble	Solid	DI Leach	
880-1143-64	T-6 (10')	Soluble	Solid	DI Leach	
880-1143-65	T-6 (11')	Soluble	Solid	DI Leach	
880-1143-66	T-6 (12')	Soluble	Solid	DI Leach	
MB 880-1587/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1587/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1587/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-1143-47 MS	T-5 (3')	Soluble	Solid	DI Leach	
880-1143-47 MSD	T-5 (3')	Soluble	Solid	DI Leach	
880-1143-57 MS	T-6 (3')	Soluble	Solid	DI Leach	
880-1143-57 MSD	T-6 (3')	Soluble	Solid	DI Leach	

Leach Batch: 1588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-67	T-7 (0-1') (HA-1-2)	Soluble	Solid	DI Leach	
880-1143-68	T-7 (2')	Soluble	Solid	DI Leach	
880-1143-69	T-7 (3')	Soluble	Solid	DI Leach	
880-1143-70	T-7 (4')	Soluble	Solid	DI Leach	
MB 880-1588/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1588/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1588/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-1143-67 MS	T-7 (0-1') (HA-1-2)	Soluble	Solid	DI Leach	
880-1143-67 MSD	T-7 (0-1') (HA-1-2)	Soluble	Solid	DI Leach	

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

HPLC/IC

Analysis Batch: 1688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-67	T-7 (0-1') (HA-1-2)	Soluble	Solid	300.0	1588
880-1143-68	T-7 (2')	Soluble	Solid	300.0	1588
880-1143-69	T-7 (3')	Soluble	Solid	300.0	1588
880-1143-70	T-7 (4')	Soluble	Solid	300.0	1588
MB 880-1588/1-A	Method Blank	Soluble	Solid	300.0	1588
LCS 880-1588/2-A	Lab Control Sample	Soluble	Solid	300.0	1588
LCSD 880-1588/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1588
880-1143-67 MS	T-7 (0-1') (HA-1-2)	Soluble	Solid	300.0	1588
880-1143-67 MSD	T-7 (0-1') (HA-1-2)	Soluble	Solid	300.0	1588

Analysis Batch: 1741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-27	T-3(3')	Soluble	Solid	300.0	1577
880-1143-28	T-3 (4')	Soluble	Solid	300.0	1577
880-1143-29	T-3 (5')	Soluble	Solid	300.0	1577
880-1143-30	T-3 (6')	Soluble	Solid	300.0	1577
880-1143-31	T-3 (7')	Soluble	Solid	300.0	1577
880-1143-32	T-3 (8')	Soluble	Solid	300.0	1577
880-1143-33	T-3 (9')	Soluble	Solid	300.0	1577
880-1143-34	T-3 (10')	Soluble	Solid	300.0	1577
880-1143-35	T-4 (0-1') (HA-11-3)	Soluble	Solid	300.0	1577
880-1143-36	T-4 (2')	Soluble	Solid	300.0	1577
880-1143-37	T-4 (3')	Soluble	Solid	300.0	1577
880-1143-38	T-4 (4')	Soluble	Solid	300.0	1577
880-1143-39	T-4 (5')	Soluble	Solid	300.0	1577
880-1143-40	T-4 (6')	Soluble	Solid	300.0	1577
880-1143-41	T-4 (7')	Soluble	Solid	300.0	1577
880-1143-42	T-4 (8')	Soluble	Solid	300.0	1577
880-1143-43	T-5 4(9')	Soluble	Solid	300.0	1577
880-1143-44	T-4 (10')	Soluble	Solid	300.0	1577
880-1143-45	T-5 (0-1') (SS-5-3)	Soluble	Solid	300.0	1577
880-1143-46	T-5 (2')	Soluble	Solid	300.0	1577
MB 880-1577/1-A	Method Blank	Soluble	Solid	300.0	1577
LCS 880-1577/2-A	Lab Control Sample	Soluble	Solid	300.0	1577
LCSD 880-1577/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1577
880-1143-27 MS	T-3(3')	Soluble	Solid	300.0	1577
880-1143-27 MSD	T-3(3')	Soluble	Solid	300.0	1577
880-1143-37 MS	T-4 (3')	Soluble	Solid	300.0	1577
880-1143-37 MSD	T-4 (3')	Soluble	Solid	300.0	1577

Analysis Batch: 1744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-47	T-5 (3')	Soluble	Solid	300.0	1587
880-1143-48	T-6 (4')	Soluble	Solid	300.0	1587
880-1143-49	T-5 (5')	Soluble	Solid	300.0	1587
880-1143-50	T-5 (6')	Soluble	Solid	300.0	1587
880-1143-51	T-5 (7')	Soluble	Solid	300.0	1587
880-1143-52	T-5 (8')	Soluble	Solid	300.0	1587
880-1143-53	T-5 (9')	Soluble	Solid	300.0	1587
880-1143-54	T-5 (10')	Soluble	Solid	300.0	1587
880-1143-55	T-6 (0-1') (HA-10-3)	Soluble	Solid	300.0	1587

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

HPLC/IC (Continued)

Analysis Batch: 1744 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-56	T-6 (2')	Soluble	Solid	300.0	1587
880-1143-57	T-6 (3')	Soluble	Solid	300.0	1587
880-1143-58	T-6 (4')	Soluble	Solid	300.0	1587
880-1143-59	T-6 (5')	Soluble	Solid	300.0	1587
880-1143-60	T-6 (6')	Soluble	Solid	300.0	1587
880-1143-61	T-6 (7')	Soluble	Solid	300.0	1587
880-1143-62	T-6 (8')	Soluble	Solid	300.0	1587
880-1143-63	T-6 (9')	Soluble	Solid	300.0	1587
880-1143-64	T-6 (10')	Soluble	Solid	300.0	1587
880-1143-65	T-6 (11')	Soluble	Solid	300.0	1587
880-1143-66	T-6 (12')	Soluble	Solid	300.0	1587
MB 880-1587/1-A	Method Blank	Soluble	Solid	300.0	1587
LCS 880-1587/2-A	Lab Control Sample	Soluble	Solid	300.0	1587
LCSD 880-1587/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1587
880-1143-47 MS	T-5 (3')	Soluble	Solid	300.0	1587
880-1143-47 MSD	T-5 (3')	Soluble	Solid	300.0	1587
880-1143-57 MS	T-6 (3')	Soluble	Solid	300.0	1587
880-1143-57 MSD	T-6 (3')	Soluble	Solid	300.0	1587

Analysis Batch: 1745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-1	T-1 (0-1') (HA-10-4)	Soluble	Solid	300.0	1575
880-1143-2	T-1 (2')	Soluble	Solid	300.0	1575
880-1143-3	T-1 (3')	Soluble	Solid	300.0	1575
880-1143-4	T-1 (4')	Soluble	Solid	300.0	1575
880-1143-5	T-1 (5')	Soluble	Solid	300.0	1575
880-1143-6	T-1 (6')	Soluble	Solid	300.0	1575
MB 880-1575/1-A	Method Blank	Soluble	Solid	300.0	1575
LCS 880-1575/2-A	Lab Control Sample	Soluble	Solid	300.0	1575
LCSD 880-1575/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1575

Analysis Batch: 1795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-7	T-1 (7')	Soluble	Solid	300.0	1576
880-1143-8	T-1 (8')	Soluble	Solid	300.0	1576
880-1143-9	T-1 (9')	Soluble	Solid	300.0	1576
880-1143-10	T-1 (10')	Soluble	Solid	300.0	1576
880-1143-11	T-1 (11')	Soluble	Solid	300.0	1576
880-1143-12	T-1 (12')	Soluble	Solid	300.0	1576
880-1143-13	T-1 (13')	Soluble	Solid	300.0	1576
880-1143-14	T-1 (14')	Soluble	Solid	300.0	1576
880-1143-15	T-2 (0-1') HA-11-4)	Soluble	Solid	300.0	1576
880-1143-16	T-2 (2')	Soluble	Solid	300.0	1576
880-1143-17	T-2 (3')	Soluble	Solid	300.0	1576
880-1143-18	T-2 (4')	Soluble	Solid	300.0	1576
880-1143-19	T-2 (5')	Soluble	Solid	300.0	1576
880-1143-20	T-2 (6')	Soluble	Solid	300.0	1576
880-1143-21	T-2 (7')	Soluble	Solid	300.0	1576
880-1143-22	T-2 (8')	Soluble	Solid	300.0	1576
880-1143-23	T-2 (9')	Soluble	Solid	300.0	1576
880-1143-24	T-2 (10')	Soluble	Solid	300.0	1576

Eurofins Xenco, Midland

QC Association Summary

Client: NT Global

Job ID: 880-1143-1

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

SDG: Eddy County, NM

HPLC/IC (Continued)

Analysis Batch: 1795 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-1143-25	T-3 (0-1') (SS-12-3)	Soluble	Solid	300.0	1576
880-1143-26	T-3 (2')	Soluble	Solid	300.0	1576
MB 880-1576/1-A	Method Blank	Soluble	Solid	300.0	1576
LCS 880-1576/2-A	Lab Control Sample	Soluble	Solid	300.0	1576
LCSD 880-1576/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1576
880-1143-7 MS	T-1 (7')	Soluble	Solid	300.0	1576
880-1143-7 MSD	T-1 (7')	Soluble	Solid	300.0	1576
880-1143-17 MS	T-2 (3')	Soluble	Solid	300.0	1576
880-1143-17 MSD	T-2 (3')	Soluble	Solid	300.0	1576

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

Client Sample ID: T-1 (0-1') (HA-10-4)

Lab Sample ID: 880-1143-1

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1615	04/10/21 11:11	MR	XM
Total/NA	Analysis	8021B		1	1619	04/11/21 09:11	MR	XM
Total/NA	Prep	8015NM Prep			1554	04/09/21 08:52	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/09/21 13:06	AJ	XM
Soluble	Leach	DI Leach			1575	04/09/21 11:49	SC	XM
Soluble	Analysis	300.0		1	1745	04/13/21 22:20	CH	XM

Client Sample ID: T-1 (2')

Lab Sample ID: 880-1143-2

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1615	04/10/21 11:11	MR	XM
Total/NA	Analysis	8021B		1	1619	04/11/21 09:32	MR	XM
Total/NA	Prep	8015NM Prep			1554	04/09/21 08:52	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/09/21 14:10	AJ	XM
Soluble	Leach	DI Leach			1575	04/09/21 11:49	SC	XM
Soluble	Analysis	300.0		1	1745	04/13/21 22:26	CH	XM

Client Sample ID: T-1 (3')

Lab Sample ID: 880-1143-3

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1615	04/10/21 11:11	MR	XM
Total/NA	Analysis	8021B		1	1619	04/11/21 09:52	MR	XM
Total/NA	Prep	8015NM Prep			1554	04/09/21 08:52	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/09/21 14:32	AJ	XM
Soluble	Leach	DI Leach			1575	04/09/21 11:49	SC	XM
Soluble	Analysis	300.0		1	1745	04/13/21 22:32	CH	XM

Client Sample ID: T-1 (4')

Lab Sample ID: 880-1143-4

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1615	04/10/21 11:11	MR	XM
Total/NA	Analysis	8021B		1	1619	04/11/21 10:13	MR	XM
Total/NA	Prep	8015NM Prep			1554	04/09/21 08:52	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/09/21 14:53	AJ	XM
Soluble	Leach	DI Leach			1575	04/09/21 11:49	SC	XM
Soluble	Analysis	300.0		1	1745	04/13/21 22:38	CH	XM

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Lab Chronicle

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

Client Sample ID: T-1 (5')

Lab Sample ID: 880-1143-5

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1615	04/10/21 11:11	MR	XM
Total/NA	Analysis	8021B		1	1619	04/11/21 10:33	MR	XM
Total/NA	Prep	8015NM Prep			1554	04/09/21 08:52	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/09/21 15:14	AJ	XM
Soluble	Leach	DI Leach			1575	04/09/21 11:49	SC	XM
Soluble	Analysis	300.0		1	1745	04/13/21 22:57	CH	XM

Client Sample ID: T-1 (6')

Lab Sample ID: 880-1143-6

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1615	04/10/21 11:11	MR	XM
Total/NA	Analysis	8021B		1	1619	04/11/21 10:53	MR	XM
Total/NA	Prep	8015NM Prep			1554	04/09/21 08:52	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/09/21 15:36	AJ	XM
Soluble	Leach	DI Leach			1575	04/09/21 11:49	SC	XM
Soluble	Analysis	300.0		1	1745	04/13/21 23:03	CH	XM

Client Sample ID: T-1 (7')

Lab Sample ID: 880-1143-7

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1616	04/10/21 11:38	MR	XM
Total/NA	Analysis	8021B		1	1621	04/10/21 15:14	KL	XM
Total/NA	Prep	5035			1616	04/10/21 11:38	MR	XM
Total/NA	Analysis	8021B		1	1621	04/10/21 15:35	KL	XM
Total/NA	Prep	5035			1616	04/10/21 11:38	MR	XM
Total/NA	Analysis	8021B		1	1621	04/10/21 16:35	KL	XM
Total/NA	Prep	8015NM Prep			1554	04/09/21 08:52	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/09/21 15:57	AJ	XM
Soluble	Leach	DI Leach			1576	04/09/21 11:51	CH	XM
Soluble	Analysis	300.0		1	1795	04/14/21 16:42	CH	XM

Client Sample ID: T-1 (8')

Lab Sample ID: 880-1143-8

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1616	04/10/21 11:38	MR	XM
Total/NA	Analysis	8021B		1	1621	04/10/21 16:55	KL	XM
Total/NA	Prep	8015NM Prep			1554	04/09/21 08:52	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/09/21 16:19	AJ	XM

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Lab Chronicle

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

Client Sample ID: T-1 (8')

Lab Sample ID: 880-1143-8

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1576	04/09/21 11:51	CH	XM
Soluble	Analysis	300.0		1	1795	04/14/21 17:00	CH	XM

Client Sample ID: T-1 (9')

Lab Sample ID: 880-1143-9

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1644	04/12/21 09:00	KL	XM
Total/NA	Analysis	8021B		200	1641	04/12/21 17:11	KL	XM
Total/NA	Prep	5035			1616	04/10/21 11:38	MR	XM
Total/NA	Analysis	8021B		1	1621	04/10/21 17:16	KL	XM
Total/NA	Prep	8015NM Prep			1554	04/09/21 08:52	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/09/21 16:40	AJ	XM
Soluble	Leach	DI Leach			1576	04/09/21 11:51	CH	XM
Soluble	Analysis	300.0		1	1795	04/14/21 17:07	CH	XM

Client Sample ID: T-1 (10')

Lab Sample ID: 880-1143-10

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1644	04/12/21 09:00	KL	XM
Total/NA	Analysis	8021B		100	1641	04/12/21 17:31	KL	XM
Total/NA	Prep	5035			1616	04/10/21 11:38	MR	XM
Total/NA	Analysis	8021B		1	1621	04/10/21 17:36	KL	XM
Total/NA	Prep	8015NM Prep			1554	04/09/21 08:52	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/09/21 17:07	AJ	XM
Soluble	Leach	DI Leach			1576	04/09/21 11:51	CH	XM
Soluble	Analysis	300.0		1	1795	04/14/21 17:13	CH	XM

Client Sample ID: T-1 (11')

Lab Sample ID: 880-1143-11

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1644	04/12/21 09:00	KL	XM
Total/NA	Analysis	8021B		200	1641	04/12/21 17:52	KL	XM
Total/NA	Prep	5035			1616	04/10/21 11:38	MR	XM
Total/NA	Analysis	8021B		20	1621	04/10/21 19:18	KL	XM
Total/NA	Prep	8015NM Prep			1554	04/09/21 08:52	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/09/21 18:11	AJ	XM
Soluble	Leach	DI Leach			1576	04/09/21 11:51	CH	XM
Soluble	Analysis	300.0		1	1795	04/14/21 17:19	CH	XM

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Lab Chronicle

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

Client Sample ID: T-1 (12')

Lab Sample ID: 880-1143-12

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1616	04/10/21 11:38	MR	XM
Total/NA	Analysis	8021B		1	1621	04/10/21 17:57	KL	XM
Total/NA	Prep	8015NM Prep			1554	04/09/21 08:52	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/09/21 18:37	AJ	XM
Soluble	Leach	DI Leach			1576	04/09/21 11:51	CH	XM
Soluble	Analysis	300.0		1	1795	04/14/21 17:37	CH	XM

Client Sample ID: T-1 (13')

Lab Sample ID: 880-1143-13

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1644	04/12/21 09:00	KL	XM
Total/NA	Analysis	8021B		100	1641	04/12/21 18:12	KL	XM
Total/NA	Prep	5035			1616	04/10/21 11:38	MR	XM
Total/NA	Analysis	8021B		1	1621	04/10/21 18:17	KL	XM
Total/NA	Prep	8015NM Prep			1554	04/09/21 08:52	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/09/21 18:58	AJ	XM
Soluble	Leach	DI Leach			1576	04/09/21 11:51	CH	XM
Soluble	Analysis	300.0		1	1795	04/14/21 17:43	CH	XM

Client Sample ID: T-1 (14')

Lab Sample ID: 880-1143-14

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1616	04/10/21 11:38	MR	XM
Total/NA	Analysis	8021B		20	1621	04/10/21 19:39	KL	XM
Total/NA	Prep	8015NM Prep			1554	04/09/21 08:52	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/09/21 19:19	AJ	XM
Soluble	Leach	DI Leach			1576	04/09/21 11:51	CH	XM
Soluble	Analysis	300.0		1	1795	04/14/21 17:49	CH	XM

Client Sample ID: T-2 (0-1') HA-11-4)

Lab Sample ID: 880-1143-15

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1616	04/10/21 11:38	MR	XM
Total/NA	Analysis	8021B		1	1621	04/10/21 18:38	KL	XM
Total/NA	Prep	8015NM Prep			1554	04/09/21 08:52	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/09/21 19:40	AJ	XM
Soluble	Leach	DI Leach			1576	04/09/21 11:51	CH	XM
Soluble	Analysis	300.0		1	1795	04/14/21 17:56	CH	XM

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Lab Chronicle

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

Client Sample ID: T-2 (2')

Lab Sample ID: 880-1143-16

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1616	04/10/21 11:38	MR	XM
Total/NA	Analysis	8021B		1	1621	04/10/21 18:58	KL	XM
Total/NA	Prep	8015NM Prep			1554	04/09/21 08:52	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/09/21 20:02	AJ	XM
Soluble	Leach	DI Leach			1576	04/09/21 11:51	CH	XM
Soluble	Analysis	300.0		1	1795	04/14/21 18:02	CH	XM

Client Sample ID: T-2 (3')

Lab Sample ID: 880-1143-17

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1616	04/10/21 11:38	MR	XM
Total/NA	Analysis	8021B		1	1621	04/10/21 21:01	KL	XM
Total/NA	Prep	8015NM Prep			1554	04/09/21 08:52	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/09/21 20:23	AJ	XM
Soluble	Leach	DI Leach			1576	04/09/21 11:51	CH	XM
Soluble	Analysis	300.0		1	1795	04/14/21 18:08	CH	XM

Client Sample ID: T-2 (4')

Lab Sample ID: 880-1143-18

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1616	04/10/21 11:38	MR	XM
Total/NA	Analysis	8021B		1	1621	04/10/21 21:22	KL	XM
Total/NA	Prep	8015NM Prep			1554	04/09/21 08:52	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/09/21 20:44	AJ	XM
Soluble	Leach	DI Leach			1576	04/09/21 11:51	CH	XM
Soluble	Analysis	300.0		1	1795	04/14/21 18:26	CH	XM

Client Sample ID: T-2 (5')

Lab Sample ID: 880-1143-19

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1616	04/10/21 11:38	MR	XM
Total/NA	Analysis	8021B		1	1621	04/10/21 21:42	KL	XM
Total/NA	Prep	8015NM Prep			1554	04/09/21 08:52	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/09/21 21:05	AJ	XM
Soluble	Leach	DI Leach			1576	04/09/21 11:51	CH	XM
Soluble	Analysis	300.0		1	1795	04/14/21 18:32	CH	XM

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Lab Chronicle

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

Client Sample ID: T-2 (6')
Date Collected: 04/07/21 00:00
Date Received: 04/08/21 15:29

Lab Sample ID: 880-1143-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1616	04/10/21 11:38	MR	XM
Total/NA	Analysis	8021B		1	1621	04/10/21 22:02	KL	XM
Total/NA	Prep	8015NM Prep			1554	04/09/21 08:52	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/09/21 21:26	AJ	XM
Soluble	Leach	DI Leach			1576	04/09/21 11:51	CH	XM
Soluble	Analysis	300.0		1	1795	04/14/21 18:51	CH	XM

Client Sample ID: T-2 (7')
Date Collected: 04/07/21 00:00
Date Received: 04/08/21 15:29

Lab Sample ID: 880-1143-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1616	04/10/21 11:38	MR	XM
Total/NA	Analysis	8021B		1	1621	04/10/21 22:23	KL	XM
Total/NA	Prep	8015NM Prep			1555	04/09/21 09:11	DM	XM
Total/NA	Analysis	8015B NM		1	1566	04/09/21 13:06	AJ	XM
Soluble	Leach	DI Leach			1576	04/09/21 11:51	CH	XM
Soluble	Analysis	300.0		1	1795	04/14/21 18:57	CH	XM

Client Sample ID: T-2 (8')
Date Collected: 04/07/21 00:00
Date Received: 04/08/21 15:29

Lab Sample ID: 880-1143-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1616	04/10/21 11:38	MR	XM
Total/NA	Analysis	8021B		1	1621	04/10/21 22:43	KL	XM
Total/NA	Prep	8015NM Prep			1555	04/09/21 09:11	DM	XM
Total/NA	Analysis	8015B NM		1	1566	04/09/21 14:10	AJ	XM
Soluble	Leach	DI Leach			1576	04/09/21 11:51	CH	XM
Soluble	Analysis	300.0		1	1795	04/14/21 19:03	CH	XM

Client Sample ID: T-2 (9')
Date Collected: 04/07/21 00:00
Date Received: 04/08/21 15:29

Lab Sample ID: 880-1143-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1616	04/10/21 11:38	MR	XM
Total/NA	Analysis	8021B		20	1621	04/10/21 23:44	KL	XM
Total/NA	Prep	8015NM Prep			1555	04/09/21 09:11	DM	XM
Total/NA	Analysis	8015B NM		1	1566	04/09/21 14:32	AJ	XM
Soluble	Leach	DI Leach			1576	04/09/21 11:51	CH	XM
Soluble	Analysis	300.0		1	1795	04/14/21 19:09	CH	XM

Lab Chronicle

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

Client Sample ID: T-2 (10')

Lab Sample ID: 880-1143-24

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1644	04/12/21 09:00	KL	XM
Total/NA	Analysis	8021B		200	1641	04/12/21 20:03	KL	XM
Total/NA	Prep	5035			1616	04/10/21 11:38	MR	XM
Total/NA	Analysis	8021B		20	1621	04/11/21 00:05	KL	XM
Total/NA	Prep	8015NM Prep			1555	04/09/21 09:11	DM	XM
Total/NA	Analysis	8015B NM		1	1566	04/09/21 14:53	AJ	XM
Soluble	Leach	DI Leach			1576	04/09/21 11:51	CH	XM
Soluble	Analysis	300.0		1	1795	04/14/21 19:15	CH	XM

Client Sample ID: T-3 (0-1') (SS-12-3)

Lab Sample ID: 880-1143-25

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1616	04/10/21 11:38	MR	XM
Total/NA	Analysis	8021B		1	1621	04/10/21 23:04	KL	XM
Total/NA	Prep	8015NM Prep			1555	04/09/21 09:11	DM	XM
Total/NA	Analysis	8015B NM		1	1566	04/09/21 15:14	AJ	XM
Soluble	Leach	DI Leach			1576	04/09/21 11:51	CH	XM
Soluble	Analysis	300.0		1	1795	04/14/21 19:21	CH	XM

Client Sample ID: T-3 (2')

Lab Sample ID: 880-1143-26

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1616	04/10/21 11:38	MR	XM
Total/NA	Analysis	8021B		1	1621	04/10/21 23:24	KL	XM
Total/NA	Prep	8015NM Prep			1555	04/09/21 09:11	DM	XM
Total/NA	Analysis	8015B NM		1	1566	04/09/21 15:36	AJ	XM
Soluble	Leach	DI Leach			1576	04/09/21 11:51	CH	XM
Soluble	Analysis	300.0		1	1795	04/14/21 19:27	CH	XM

Client Sample ID: T-3(3')

Lab Sample ID: 880-1143-27

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1617	04/10/21 12:15	MR	XM
Total/NA	Analysis	8021B		1	1621	04/11/21 03:07	KL	XM
Total/NA	Prep	8015NM Prep			1555	04/09/21 09:11	DM	XM
Total/NA	Analysis	8015B NM		1	1566	04/09/21 15:57	AJ	XM
Soluble	Leach	DI Leach			1577	04/09/21 11:57	SC	XM
Soluble	Analysis	300.0		1	1741	04/13/21 15:05	CH	XM

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Lab Chronicle

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

Client Sample ID: T-3 (4')

Lab Sample ID: 880-1143-28

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1617	04/10/21 12:15	MR	XM
Total/NA	Analysis	8021B		1	1621	04/11/21 03:28	KL	XM
Total/NA	Prep	8015NM Prep			1555	04/09/21 09:11	DM	XM
Total/NA	Analysis	8015B NM		1	1566	04/09/21 16:19	AJ	XM
Soluble	Leach	DI Leach			1577	04/09/21 11:57	SC	XM
Soluble	Analysis	300.0		1	1741	04/13/21 15:21	CH	XM

Client Sample ID: T-3 (5')

Lab Sample ID: 880-1143-29

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1617	04/10/21 12:15	MR	XM
Total/NA	Analysis	8021B		1	1621	04/11/21 03:48	KL	XM
Total/NA	Prep	8015NM Prep			1555	04/09/21 09:11	DM	XM
Total/NA	Analysis	8015B NM		1	1566	04/09/21 16:40	AJ	XM
Soluble	Leach	DI Leach			1577	04/09/21 11:57	SC	XM
Soluble	Analysis	300.0		1	1741	04/13/21 15:27	CH	XM

Client Sample ID: T-3 (6')

Lab Sample ID: 880-1143-30

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1617	04/10/21 12:15	MR	XM
Total/NA	Analysis	8021B		1	1621	04/11/21 04:09	KL	XM
Total/NA	Prep	8015NM Prep			1555	04/09/21 09:11	DM	XM
Total/NA	Analysis	8015B NM		1	1566	04/09/21 17:07	AJ	XM
Soluble	Leach	DI Leach			1577	04/09/21 11:57	SC	XM
Soluble	Analysis	300.0		1	1741	04/13/21 15:32	CH	XM

Client Sample ID: T-3 (7')

Lab Sample ID: 880-1143-31

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1617	04/10/21 12:15	MR	XM
Total/NA	Analysis	8021B		1	1621	04/11/21 04:29	KL	XM
Total/NA	Prep	8015NM Prep			1555	04/09/21 09:11	DM	XM
Total/NA	Analysis	8015B NM		1	1566	04/09/21 18:11	AJ	XM
Soluble	Leach	DI Leach			1577	04/09/21 11:57	SC	XM
Soluble	Analysis	300.0		1	1741	04/13/21 15:38	CH	XM

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Lab Chronicle

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

Client Sample ID: T-3 (8')
Date Collected: 04/07/21 00:00
Date Received: 04/08/21 15:29

Lab Sample ID: 880-1143-32
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1617	04/10/21 12:15	MR	XM
Total/NA	Analysis	8021B		1	1621	04/11/21 04:49	KL	XM
Total/NA	Prep	8015NM Prep			1555	04/09/21 09:11	DM	XM
Total/NA	Analysis	8015B NM		1	1566	04/09/21 18:37	AJ	XM
Soluble	Leach	DI Leach			1577	04/09/21 11:57	SC	XM
Soluble	Analysis	300.0		1	1741	04/13/21 15:55	CH	XM

Client Sample ID: T-3 (9')
Date Collected: 04/07/21 00:00
Date Received: 04/08/21 15:29

Lab Sample ID: 880-1143-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1644	04/12/21 09:00	KL	XM
Total/NA	Analysis	8021B		100	1641	04/12/21 20:23	KL	XM
Total/NA	Prep	5035			1617	04/10/21 12:15	MR	XM
Total/NA	Analysis	8021B		1	1621	04/11/21 05:10	KL	XM
Total/NA	Prep	8015NM Prep			1555	04/09/21 09:11	DM	XM
Total/NA	Analysis	8015B NM		1	1566	04/09/21 18:58	AJ	XM
Soluble	Leach	DI Leach			1577	04/09/21 11:57	SC	XM
Soluble	Analysis	300.0		1	1741	04/13/21 16:00	CH	XM

Client Sample ID: T-3 (10')
Date Collected: 04/07/21 00:00
Date Received: 04/08/21 15:29

Lab Sample ID: 880-1143-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1644	04/12/21 09:00	KL	XM
Total/NA	Analysis	8021B		100	1641	04/12/21 20:43	KL	XM
Total/NA	Prep	5035			1617	04/10/21 12:15	MR	XM
Total/NA	Analysis	8021B		50	1621	04/11/21 06:11	KL	XM
Total/NA	Prep	8015NM Prep			1555	04/09/21 09:11	DM	XM
Total/NA	Analysis	8015B NM		1	1566	04/09/21 19:19	AJ	XM
Soluble	Leach	DI Leach			1577	04/09/21 11:57	SC	XM
Soluble	Analysis	300.0		1	1741	04/13/21 16:06	CH	XM

Client Sample ID: T-4 (0-1') (HA-11-3)
Date Collected: 04/07/21 00:00
Date Received: 04/08/21 15:29

Lab Sample ID: 880-1143-35
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1617	04/10/21 12:15	MR	XM
Total/NA	Analysis	8021B		1	1621	04/11/21 05:30	KL	XM
Total/NA	Prep	8015NM Prep			1555	04/09/21 09:11	DM	XM
Total/NA	Analysis	8015B NM		1	1566	04/09/21 19:40	AJ	XM

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Lab Chronicle

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

Client Sample ID: T-4 (0-1') (HA-11-3)

Lab Sample ID: 880-1143-35

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1577	04/09/21 11:57	SC	XM
Soluble	Analysis	300.0		1	1741	04/13/21 16:11	CH	XM

Client Sample ID: T-4 (2')

Lab Sample ID: 880-1143-36

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1617	04/10/21 12:15	MR	XM
Total/NA	Analysis	8021B		1	1621	04/11/21 05:51	KL	XM
Total/NA	Prep	8015NM Prep			1555	04/09/21 09:11	DM	XM
Total/NA	Analysis	8015B NM		1	1566	04/09/21 20:02	AJ	XM
Soluble	Leach	DI Leach			1577	04/09/21 11:57	SC	XM
Soluble	Analysis	300.0		1	1741	04/13/21 16:17	CH	XM

Client Sample ID: T-4 (3')

Lab Sample ID: 880-1143-37

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1617	04/10/21 12:15	MR	XM
Total/NA	Analysis	8021B		1	1621	04/11/21 07:33	KL	XM
Total/NA	Prep	8015NM Prep			1555	04/09/21 09:11	DM	XM
Total/NA	Analysis	8015B NM		1	1566	04/09/21 20:23	AJ	XM
Soluble	Leach	DI Leach			1577	04/09/21 11:57	SC	XM
Soluble	Analysis	300.0		1	1741	04/13/21 16:22	CH	XM

Client Sample ID: T-4 (4')

Lab Sample ID: 880-1143-38

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1617	04/10/21 12:15	MR	XM
Total/NA	Analysis	8021B		1	1621	04/11/21 07:54	KL	XM
Total/NA	Prep	8015NM Prep			1555	04/09/21 09:11	DM	XM
Total/NA	Analysis	8015B NM		1	1566	04/09/21 20:44	AJ	XM
Soluble	Leach	DI Leach			1577	04/09/21 11:57	SC	XM
Soluble	Analysis	300.0		1	1741	04/13/21 16:39	CH	XM

Client Sample ID: T-4 (5')

Lab Sample ID: 880-1143-39

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1617	04/10/21 12:15	MR	XM
Total/NA	Analysis	8021B		1	1621	04/11/21 08:14	KL	XM

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Lab Chronicle

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

Client Sample ID: T-4 (5')
Date Collected: 04/07/21 00:00
Date Received: 04/08/21 15:29

Lab Sample ID: 880-1143-39
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			1555	04/09/21 09:11	DM	XM
Total/NA	Analysis	8015B NM		1	1566	04/09/21 21:05	AJ	XM
Soluble	Leach	DI Leach			1577	04/09/21 11:57	SC	XM
Soluble	Analysis	300.0		1	1741	04/13/21 16:44	CH	XM

Client Sample ID: T-4 (6')
Date Collected: 04/07/21 00:00
Date Received: 04/08/21 15:29

Lab Sample ID: 880-1143-40
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1617	04/10/21 12:15	MR	XM
Total/NA	Analysis	8021B		1	1621	04/11/21 08:34	KL	XM
Total/NA	Prep	8015NM Prep			1555	04/09/21 09:11	DM	XM
Total/NA	Analysis	8015B NM		1	1566	04/09/21 21:26	AJ	XM
Soluble	Leach	DI Leach			1577	04/09/21 11:57	SC	XM
Soluble	Analysis	300.0		1	1741	04/13/21 17:01	CH	XM

Client Sample ID: T-4 (7')
Date Collected: 04/07/21 00:00
Date Received: 04/08/21 15:29

Lab Sample ID: 880-1143-41
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1617	04/10/21 12:15	MR	XM
Total/NA	Analysis	8021B		1	1621	04/11/21 08:55	KL	XM
Total/NA	Prep	8015NM Prep			1561	04/09/21 10:07	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/09/21 23:12	AJ	XM
Soluble	Leach	DI Leach			1577	04/09/21 11:57	SC	XM
Soluble	Analysis	300.0		1	1741	04/13/21 17:07	CH	XM

Client Sample ID: T-4 (8')
Date Collected: 04/07/21 00:00
Date Received: 04/08/21 15:29

Lab Sample ID: 880-1143-42
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1644	04/12/21 09:00	KL	XM
Total/NA	Analysis	8021B		50	1641	04/12/21 21:04	KL	XM
Total/NA	Prep	5035			1617	04/10/21 12:15	MR	XM
Total/NA	Analysis	8021B		1	1621	04/11/21 10:17	KL	XM
Total/NA	Prep	8015NM Prep			1561	04/09/21 10:07	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/10/21 00:17	AJ	XM
Soluble	Leach	DI Leach			1577	04/09/21 11:57	SC	XM
Soluble	Analysis	300.0		1	1741	04/13/21 17:12	CH	XM

Lab Chronicle

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

Client Sample ID: T-5 4(9')

Lab Sample ID: 880-1143-43

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1644	04/12/21 09:00	KL	XM
Total/NA	Analysis	8021B		100	1641	04/12/21 21:24	KL	XM
Total/NA	Prep	5035			1617	04/10/21 12:15	MR	XM
Total/NA	Analysis	8021B		1	1621	04/11/21 10:37	KL	XM
Total/NA	Prep	8015NM Prep			1561	04/09/21 10:07	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/10/21 00:45	AJ	XM
Soluble	Leach	DI Leach			1577	04/09/21 11:57	SC	XM
Soluble	Analysis	300.0		1	1741	04/13/21 17:18	CH	XM

Client Sample ID: T-4 (10')

Lab Sample ID: 880-1143-44

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1617	04/10/21 12:15	MR	XM
Total/NA	Analysis	8021B		1	1621	04/11/21 09:15	KL	XM
Total/NA	Prep	8015NM Prep			1561	04/09/21 10:07	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/10/21 01:16	AJ	XM
Soluble	Leach	DI Leach			1577	04/09/21 11:57	SC	XM
Soluble	Analysis	300.0		1	1741	04/13/21 17:23	CH	XM

Client Sample ID: T-5 (0-1') (SS-5-3)

Lab Sample ID: 880-1143-45

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1617	04/10/21 12:15	MR	XM
Total/NA	Analysis	8021B		1	1621	04/11/21 09:36	KL	XM
Total/NA	Prep	8015NM Prep			1561	04/09/21 10:07	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/10/21 01:37	AJ	XM
Soluble	Leach	DI Leach			1577	04/09/21 11:57	SC	XM
Soluble	Analysis	300.0		1	1741	04/13/21 17:29	CH	XM

Client Sample ID: T-5 (2')

Lab Sample ID: 880-1143-46

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1617	04/10/21 12:15	MR	XM
Total/NA	Analysis	8021B		1	1621	04/11/21 09:56	KL	XM
Total/NA	Prep	8015NM Prep			1561	04/09/21 10:07	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/10/21 01:58	AJ	XM
Soluble	Leach	DI Leach			1577	04/09/21 11:57	SC	XM
Soluble	Analysis	300.0		1	1741	04/13/21 17:34	CH	XM

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Lab Chronicle

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

Client Sample ID: T-5 (3')

Date Collected: 04/07/21 00:00

Date Received: 04/08/21 15:29

Lab Sample ID: 880-1143-47

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1618	04/10/21 12:46	MR	XM
Total/NA	Analysis	8021B		1	1622	04/10/21 17:07	KL	XM
Total/NA	Prep	8015NM Prep			1561	04/09/21 10:07	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/10/21 02:20	AJ	XM
Soluble	Leach	DI Leach			1587	04/09/21 12:03	SC	XM
Soluble	Analysis	300.0		1	1744	04/13/21 18:27	CH	XM

Client Sample ID: T-6 (4')

Date Collected: 04/07/21 00:00

Date Received: 04/08/21 15:29

Lab Sample ID: 880-1143-48

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1618	04/10/21 12:46	MR	XM
Total/NA	Analysis	8021B		1	1622	04/10/21 17:27	KL	XM
Total/NA	Prep	8015NM Prep			1561	04/09/21 10:07	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/10/21 02:41	AJ	XM
Soluble	Leach	DI Leach			1587	04/09/21 12:03	SC	XM
Soluble	Analysis	300.0		1	1744	04/13/21 18:45	CH	XM

Client Sample ID: T-5 (5')

Date Collected: 04/07/21 00:00

Date Received: 04/08/21 15:29

Lab Sample ID: 880-1143-49

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1618	04/10/21 12:46	MR	XM
Total/NA	Analysis	8021B		1	1622	04/10/21 17:48	KL	XM
Total/NA	Prep	5035			1644	04/12/21 09:00	KL	XM
Total/NA	Analysis	8021B		100	1641	04/12/21 21:45	KL	XM
Total/NA	Prep	8015NM Prep			1561	04/09/21 10:07	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/10/21 03:05	AJ	XM
Soluble	Leach	DI Leach			1587	04/09/21 12:03	SC	XM
Soluble	Analysis	300.0		1	1744	04/13/21 18:51	CH	XM

Client Sample ID: T-5 (6')

Date Collected: 04/07/21 00:00

Date Received: 04/08/21 15:29

Lab Sample ID: 880-1143-50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1618	04/10/21 12:46	MR	XM
Total/NA	Analysis	8021B		1	1622	04/10/21 18:09	KL	XM
Total/NA	Prep	5035			1644	04/12/21 09:00	KL	XM
Total/NA	Analysis	8021B		200	1641	04/12/21 22:05	KL	XM
Total/NA	Prep	8015NM Prep			1561	04/09/21 10:07	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/10/21 03:30	AJ	XM

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Lab Chronicle

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

Client Sample ID: T-5 (6')

Lab Sample ID: 880-1143-50

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1587	04/09/21 12:03	SC	XM
Soluble	Analysis	300.0		1	1744	04/13/21 18:57	CH	XM

Client Sample ID: T-5 (7')

Lab Sample ID: 880-1143-51

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1618	04/10/21 12:46	MR	XM
Total/NA	Analysis	8021B		1	1622	04/10/21 18:29	KL	XM
Total/NA	Prep	8015NM Prep			1561	04/09/21 10:07	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/10/21 04:18	AJ	XM
Soluble	Leach	DI Leach			1587	04/09/21 12:03	SC	XM
Soluble	Analysis	300.0		1	1744	04/13/21 19:03	CH	XM

Client Sample ID: T-5 (8')

Lab Sample ID: 880-1143-52

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1618	04/10/21 12:46	MR	XM
Total/NA	Analysis	8021B		1	1622	04/10/21 18:50	KL	XM
Total/NA	Prep	5035			1644	04/12/21 09:00	KL	XM
Total/NA	Analysis	8021B		200	1641	04/12/21 22:26	KL	XM
Total/NA	Prep	8015NM Prep			1561	04/09/21 10:07	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/10/21 04:39	AJ	XM
Soluble	Leach	DI Leach			1587	04/09/21 12:03	SC	XM
Soluble	Analysis	300.0		1	1744	04/13/21 19:22	CH	XM

Client Sample ID: T-5 (9')

Lab Sample ID: 880-1143-53

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1618	04/10/21 12:46	MR	XM
Total/NA	Analysis	8021B		50	1622	04/10/21 19:52	KL	XM
Total/NA	Prep	8015NM Prep			1561	04/09/21 10:07	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/10/21 05:05	AJ	XM
Soluble	Leach	DI Leach			1587	04/09/21 12:03	SC	XM
Soluble	Analysis	300.0		1	1744	04/13/21 19:28	CH	XM

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

Client Sample ID: T-5 (10')

Lab Sample ID: 880-1143-54

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1618	04/10/21 12:46	MR	XM
Total/NA	Analysis	8021B		1	1622	04/10/21 19:11	KL	XM
Total/NA	Prep	8015NM Prep			1561	04/09/21 10:07	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/10/21 05:35	AJ	XM
Soluble	Leach	DI Leach			1587	04/09/21 12:03	SC	XM
Soluble	Analysis	300.0		1	1744	04/13/21 19:34	CH	XM

Client Sample ID: T-6 (0-1') (HA-10-3)

Lab Sample ID: 880-1143-55

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1618	04/10/21 12:46	MR	XM
Total/NA	Analysis	8021B		1	1622	04/10/21 19:32	KL	XM
Total/NA	Prep	8015NM Prep			1561	04/09/21 10:07	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/10/21 05:56	AJ	XM
Soluble	Leach	DI Leach			1587	04/09/21 12:03	SC	XM
Soluble	Analysis	300.0		1	1744	04/13/21 19:40	CH	XM

Client Sample ID: T-6 (2')

Lab Sample ID: 880-1143-56

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1618	04/10/21 12:46	MR	XM
Total/NA	Analysis	8021B		1	1622	04/10/21 21:16	KL	XM
Total/NA	Prep	8015NM Prep			1561	04/09/21 10:07	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/10/21 06:17	AJ	XM
Soluble	Leach	DI Leach			1587	04/09/21 12:03	SC	XM
Soluble	Analysis	300.0		1	1744	04/13/21 19:46	CH	XM

Client Sample ID: T-6 (3')

Lab Sample ID: 880-1143-57

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1618	04/10/21 12:46	MR	XM
Total/NA	Analysis	8021B		1	1622	04/10/21 21:37	KL	XM
Total/NA	Prep	8015NM Prep			1561	04/09/21 10:07	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/10/21 06:37	AJ	XM
Soluble	Leach	DI Leach			1587	04/09/21 12:03	SC	XM
Soluble	Analysis	300.0		1	1744	04/13/21 19:52	CH	XM

Lab Chronicle

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

Client Sample ID: T-6 (4')

Lab Sample ID: 880-1143-58

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1618	04/10/21 12:46	MR	XM
Total/NA	Analysis	8021B		1	1622	04/10/21 21:58	KL	XM
Total/NA	Prep	8015NM Prep			1561	04/09/21 10:07	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/10/21 06:59	AJ	XM
Soluble	Leach	DI Leach			1587	04/09/21 12:03	SC	XM
Soluble	Analysis	300.0		1	1744	04/13/21 20:11	CH	XM

Client Sample ID: T-6 (5')

Lab Sample ID: 880-1143-59

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1618	04/10/21 12:46	MR	XM
Total/NA	Analysis	8021B		1	1622	04/10/21 22:18	KL	XM
Total/NA	Prep	8015NM Prep			1561	04/09/21 10:07	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/10/21 07:20	AJ	XM
Soluble	Leach	DI Leach			1587	04/09/21 12:03	SC	XM
Soluble	Analysis	300.0		1	1744	04/13/21 20:17	CH	XM

Client Sample ID: T-6 (6')

Lab Sample ID: 880-1143-60

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1618	04/10/21 12:46	MR	XM
Total/NA	Analysis	8021B		1	1622	04/10/21 22:39	KL	XM
Total/NA	Prep	8015NM Prep			1561	04/09/21 10:07	DM	XM
Total/NA	Analysis	8015B NM		1	1564	04/10/21 07:44	AJ	XM
Soluble	Leach	DI Leach			1587	04/09/21 12:03	SC	XM
Soluble	Analysis	300.0		1	1744	04/13/21 20:35	CH	XM

Client Sample ID: T-6 (7')

Lab Sample ID: 880-1143-61

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1618	04/10/21 12:46	MR	XM
Total/NA	Analysis	8021B		1	1622	04/10/21 23:00	KL	XM
Total/NA	Prep	8015NM Prep			1563	04/09/21 10:28	DM	XM
Total/NA	Analysis	8015B NM		1	1612	04/10/21 19:07	AJ	XM
Soluble	Leach	DI Leach			1587	04/09/21 12:03	SC	XM
Soluble	Analysis	300.0		1	1744	04/13/21 20:41	CH	XM

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Lab Chronicle

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

Client Sample ID: T-6 (8')

Lab Sample ID: 880-1143-62

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1644	04/12/21 09:00	KL	XM
Total/NA	Analysis	8021B		200	1641	04/12/21 22:46	KL	XM
Total/NA	Prep	8015NM Prep			1563	04/09/21 10:28	DM	XM
Total/NA	Analysis	8015B NM		1	1612	04/10/21 19:28	AJ	XM
Soluble	Leach	DI Leach			1587	04/09/21 12:03	SC	XM
Soluble	Analysis	300.0		1	1744	04/13/21 20:47	CH	XM

Client Sample ID: T-6 (9')

Lab Sample ID: 880-1143-63

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1618	04/10/21 12:46	MR	XM
Total/NA	Analysis	8021B		50	1622	04/11/21 00:23	KL	XM
Total/NA	Prep	5035			1644	04/12/21 09:00	KL	XM
Total/NA	Analysis	8021B		200	1641	04/12/21 23:06	KL	XM
Total/NA	Prep	8015NM Prep			1563	04/09/21 10:28	DM	XM
Total/NA	Analysis	8015B NM		1	1612	04/10/21 19:50	AJ	XM
Soluble	Leach	DI Leach			1587	04/09/21 12:03	SC	XM
Soluble	Analysis	300.0		1	1744	04/13/21 20:54	CH	XM

Client Sample ID: T-6 (10')

Lab Sample ID: 880-1143-64

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1618	04/10/21 12:46	MR	XM
Total/NA	Analysis	8021B		1	1622	04/10/21 23:21	KL	XM
Total/NA	Prep	8015NM Prep			1563	04/09/21 10:28	DM	XM
Total/NA	Analysis	8015B NM		1	1612	04/10/21 20:10	AJ	XM
Soluble	Leach	DI Leach			1587	04/09/21 12:03	SC	XM
Soluble	Analysis	300.0		1	1744	04/13/21 21:00	CH	XM

Client Sample ID: T-6 (11')

Lab Sample ID: 880-1143-65

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1618	04/10/21 12:46	MR	XM
Total/NA	Analysis	8021B		1	1622	04/10/21 23:41	KL	XM
Total/NA	Prep	8015NM Prep			1563	04/09/21 10:28	DM	XM
Total/NA	Analysis	8015B NM		1	1612	04/10/21 20:32	AJ	XM
Soluble	Leach	DI Leach			1587	04/09/21 12:03	SC	XM
Soluble	Analysis	300.0		1	1744	04/13/21 21:06	CH	XM

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

Client Sample ID: T-6 (12')

Lab Sample ID: 880-1143-66

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1618	04/10/21 12:46	MR	XM
Total/NA	Analysis	8021B		1	1622	04/10/21 16:46	KL	XM
Total/NA	Prep	8015NM Prep			1563	04/09/21 10:28	DM	XM
Total/NA	Analysis	8015B NM		1	1612	04/10/21 20:53	AJ	XM
Soluble	Leach	DI Leach			1587	04/09/21 12:03	SC	XM
Soluble	Analysis	300.0		1	1744	04/13/21 21:12	CH	XM

Client Sample ID: T-7 (0-1') (HA-1-2)

Lab Sample ID: 880-1143-67

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1614	04/10/21 11:04	MR	XM
Total/NA	Analysis	8021B		1	1619	04/10/21 22:17	MR	XM
Total/NA	Prep	8015NM Prep			1597	04/09/21 15:09	DM	XM
Total/NA	Analysis	8015B NM		1	1612	04/11/21 00:26	AJ	XM
Soluble	Leach	DI Leach			1588	04/09/21 12:05	SC	XM
Soluble	Analysis	300.0		1	1688	04/13/21 01:26	CH	XM

Client Sample ID: T-7 (2')

Lab Sample ID: 880-1143-68

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1614	04/10/21 11:04	MR	XM
Total/NA	Analysis	8021B		1	1619	04/10/21 22:37	MR	XM
Total/NA	Prep	8015NM Prep			1597	04/09/21 15:09	DM	XM
Total/NA	Analysis	8015B NM		1	1612	04/11/21 00:47	AJ	XM
Soluble	Leach	DI Leach			1588	04/09/21 12:05	SC	XM
Soluble	Analysis	300.0		1	1688	04/13/21 09:59	CH	XM

Client Sample ID: T-7 (3')

Lab Sample ID: 880-1143-69

Date Collected: 04/07/21 00:00

Matrix: Solid

Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1614	04/10/21 11:04	MR	XM
Total/NA	Analysis	8021B		1	1619	04/10/21 22:58	MR	XM
Total/NA	Prep	8015NM Prep			1597	04/09/21 15:09	DM	XM
Total/NA	Analysis	8015B NM		1	1612	04/11/21 01:08	AJ	XM
Soluble	Leach	DI Leach			1588	04/09/21 12:05	SC	XM
Soluble	Analysis	300.0		1	1688	04/13/21 01:48	CH	XM

Eurofins Xenco, Midland

Lab Chronicle

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

Client Sample ID: T-7 (4') Lab Sample ID: 880-1143-70
Date Collected: 04/07/21 00:00 Matrix: Solid
Date Received: 04/08/21 15:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1614	04/10/21 11:04	MR	XM
Total/NA	Analysis	8021B		1	1619	04/10/21 23:18	MR	XM
Total/NA	Prep	8015NM Prep			1597	04/09/21 15:09	DM	XM
Total/NA	Analysis	8015B NM		1	1612	04/11/21 01:29	AJ	XM
Soluble	Leach	DI Leach			1588	04/09/21 12:05	SC	XM
Soluble	Analysis	300.0		1	1688	04/13/21 01:54	CH	XM

Laboratory References:
XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

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	T104704400-20-21	06-30-21

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
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: NT Global

Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1

SDG: Eddy County, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XM
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XM
300.0	Anions, Ion Chromatography	MCAWW	XM
5035	Closed System Purge and Trap	SW846	XM
8015NM Prep	Microextraction	SW846	XM
DI Leach	Deionized Water Leaching Procedure	ASTM	XM

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:

XM = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Midland

Sample Summary

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-1143-1	T-1 (0-1') (HA-10-4)	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-2	T-1 (2')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-3	T-1 (3')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-4	T-1 (4')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-5	T-1 (5')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-6	T-1 (6')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-7	T-1 (7')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-8	T-1 (8')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-9	T-1 (9')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-10	T-1 (10')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-11	T-1 (11')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-12	T-1 (12')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-13	T-1 (13')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-14	T-1 (14')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-15	T-2 (0-1') HA-11-4)	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-16	T-2 (2')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-17	T-2 (3')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-18	T-2 (4')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-19	T-2 (5')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-20	T-2 (6')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-21	T-2 (7')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-22	T-2 (8')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-23	T-2 (9')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-24	T-2 (10')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-25	T-3 (0-1') (SS-12-3)	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-26	T-3 (2')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-27	T-3 (3')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-28	T-3 (4')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-29	T-3 (5')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-30	T-3 (6')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-31	T-3 (7')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-32	T-3 (8')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-33	T-3 (9')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-34	T-3 (10')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-35	T-4 (0-1') (HA-11-3)	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-36	T-4 (2')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-37	T-4 (3')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-38	T-4 (4')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-39	T-4 (5')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-40	T-4 (6')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-41	T-4 (7')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-42	T-4 (8')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-43	T-5 4(9')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-44	T-4 (10')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-45	T-5 (0-1') (SS-5-3)	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-46	T-5 (2')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-47	T-5 (3')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-48	T-6 (4')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-49	T-5 (5')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-50	T-5 (6')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-51	T-5 (7')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-52	T-5 (8')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-53	T-5 (9')	Solid	04/07/21 00:00	04/08/21 15:29	

Eurofins Xenco, Midland

Sample Summary

Client: NT Global
Project/Site: Cedar Lake 35 Fed Com #2 2RP-3715

Job ID: 880-1143-1
SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-1143-54	T-5 (10')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-55	T-6 (0-1') (HA-10-3)	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-56	T-6 (2')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-57	T-6 (3')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-58	T-6 (4')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-59	T-6 (5')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-60	T-6 (6')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-61	T-6 (7')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-62	T-6 (8')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-63	T-6 (9')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-64	T-6 (10')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-65	T-6 (11')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-66	T-6 (12')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-67	T-7 (0-1') (HA-1-2)	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-68	T-7 (2')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-69	T-7 (3')	Solid	04/07/21 00:00	04/08/21 15:29	
880-1143-70	T-7 (4')	Solid	04/07/21 00:00	04/08/21 15:29	

Eurofins Xenco, Midland



Chain of Custody

Project Manager	Mike Carmona	Bill to: (if different)	James Kennedy
Company Name	NTG Environmental	Company Name:	EOG Resources
Address	701 Tradewinds BLVD	Address:	5509 Champions Dr
City, State ZIP	Midland, TX 79706	City, State ZIP	Midland Tx 79706
Phone:	432-813-0263	Email	James_Kennedy@eogresources

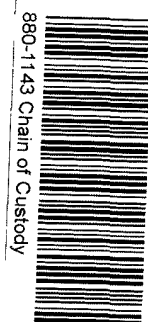
Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ perfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐	
Deliverables EDD ☐ ADAPT ☐ Other	

Project Name	Cederal Lake 33 Fed Com #2	2K-1	ANALYSIS REQUEST										Preservative Codes					
Project Number	3715		Turn Around													None NO	DI Water H ₂ O	
Project Location	214048	☐ Routine ☒ Rush														Cool Cool	MeOH Me	
Sample's Name	Eddy County, NM	Due Date	72HR	TAT starts the day received by the lab if received by 4.30pm												HCL HC	HNO ₃ HN	
PO #	CM																H ₂ SO ₄ H ₂	NaOH Na
SAMPLE RECEIPT			Temp Blank	Yes (No)	Wet Ice	Yes (No)											H ₃ PO ₄ HP	
Received Intact:	Yes (No)	Thermometer ID	108											NaHSO ₄ NABIS				
Cooler Custody Seals	Yes (No)	Correction Factor	10.5											Na ₂ S ₂ O ₃ NaSO ₃				
Sample Custody Seals	Yes No N/A	Temperature Reading	5.8											Zn Acetate+NaOH Zn				
Total Containers:		Corrected Temperature	6.3											NaOH+Ascorbic Acid SAPC				
Sample Identification			Date	Time	Soil	Water	Grab/Comp	# of Cont								Sample Comments		
T-1 (0-1') (HA-10-4)			4/7/2021	-	X		G	1	X	X	X							
T-1 (2)			4/7/2021	-	X		G	1	X	X	X							
T-1 (3)			4/7/2021	-	X		G	1	X	X	X							
T-1 (4)			4/7/2021	-	X		G	1	X	X	X							
T-1 (5)			4/7/2021	-	X		G	1	X	X	X							
T-1 (6)			4/7/2021	-	X		G	1	X	X	X							
T-1 (7)			4/7/2021	-	X		G	1	X	X	X							
T-1 (8)			4/7/2021	-	X		G	1	X	X	X							
T-1 (9)			4/7/2021	-	X		G	1	X	X	X							
T-1 (10)			4/7/2021	-	X		G	1	X	X	X							

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenoco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenoco 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 Xenoco. A minimum charge of \$85.00 will be applied to each project and a charge of \$3 for each sample submitted to Xenoco, but not analyzed. These fees will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
[Signature]	[Signature]	7/8/21 15:29			



880-1143 Chain of Custody

Page 1 of 7



Chain of Custody

Work Order No:

Page 2 of 7

Project Manager	Mike Carmona	Bill to (if different)	James Kennedy
Company Name	NTG Environmental	Company Name	EOG Resources
Address	701 Tradewinds BLVD	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79706	City, State ZIP	Midland Tx 79706
Phone:	432-813-0263	Email	James_Kennedy@eogresources

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ ☐ perfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐	
Deliverables EDD ☐ ADAPT ☐ Other ☐	

Project Name:		3715		Turn Around		ANALYSIS REQUEST												Preservative Codes					
Project Number	214048	☐ Routine	☒ Rush	Due Date	72HR													None	NO	DI Water	H ₂ O		
Project Location	Eddy County, NM																	Cool	Cool	MeOH	Me		
Sample's Name	CM	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.	Yes ☒ No ☐	Yes ☐ No ☒	Thermometer ID													H ₃ PO ₄	HP				
Received Intact:	Yes ☒ No ☐	Correction Factor													NaHSO ₄	NABIS							
Cooler Custody Seals.	Yes ☐ No ☒	Temperature Reading													Na ₂ S ₂ O ₃	NaSO ₃							
Sample Custody Seals.	Yes ☐ No ☒	Corrected Temperature.													Zn Acetate	+NaOH	Zn						
Total Containers.															NaOH	+Ascorbic Acid	SAPC						
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments			
T-1 (11')	4/7/2021	-	X		G	1	X	X	X														
T-1 (12')	4/7/2021	-	X		G	1	X	X	X														
T-1 (13')	4/7/2021	-	X		G	1	X	X	X														
T-1 (14')	4/7/2021	-	X		G	1	X	X	X														
T-2 (0-1') (HA-11-4)	4/7/2021	-	X		G	1	X	X	X														
T-2 (2')	4/7/2021	-	X		G	1	X	X	X														
T-2 (3')	4/7/2021	-	X		G	1	X	X	X														
T-2 (4')	4/7/2021	-	X		G	1	X	X	X														
T-2 (5')	4/7/2021	-	X		G	1	X	X	X														
T-2 (6')	4/7/2021	-	X		G	1	X	X	X														

Additional Comments:

Notice: Signature of this document for the relinquishment of samples constitutes a valid purchase order from client company to Xenoco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenoco 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 service. Xenoco 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 service. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenoco, 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
1 		4/8/21 1529	2		
3			4		
5			6		



Chain of Custody

Work Order No: _____

Page 3 of 6

Project Manager	Mike Carmona	Bill to (if different)	James Kennedy
Company Name	NTG Environmental	Company Name	EOG Resources
Address	701 Tradewinds Blvd	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79706	City, State ZIP	Midland Tx 79706
Phone:	432-813-0263	Email:	James_Kennedy@eogresources.com

Work Order Comments	
Program: UST/PT	PRP
State of Project:	rowfields
Reporting Level II	Level III
Deliverables EDD	ADAPT
Other	

Project Name:	Cedar Lake 35 Fed Com #2	2RP
Project Number:	3715	Turn Around
Project Location:	214048	☐ Routine ☒ Rush
Sampler's Name:	Eddy County, NM	Due Date
PO #:	CM	72HR
		TAT starts the day received by the lab if received by 4:30pm
SAMPLE RECEIPT		Temp Blank
Received Intact:	Yes No	Yes No
Cooler Custody Seals	Yes No	Thermometer ID
Sample Custody Seals:	Yes No	Correction Factor
Total Containers	Yes No	Temperature Reading
		Corrected Temperature:
Sample Identification		Date
		Time
		Soil
		Water
		Grab/Comp
		# of Cont
		BTEX 8021B
		TPH 8015M (GRO + DRO + MRO)
		Chlordie 300 0

Additional Comments:

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Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
		4/8/21 1524			



Chain of Custody

Work Order No: _____

Page 4 of 10

Project Manager	Mike Carmona	Bill to, (if different)	James Kennedy
Company Name	NTG Environmental	Company Name	EOG Resources
Address	701 Tradewinds Blvd	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79706	City, State ZIP	Midland, TX 79706
Phone	432-813-0263	Email	James.Kennedy@eogresources.com

Work Order Comments	
Program: UST/PST	☐ PRP ☐ Brownfields ☐ RC ☐ Perturb ☐
State of Project:	
Reporting Level II	☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables EDD	☐ ADAPT ☐ Other

Project Name	Cedar Lake 35 Fed Com #2	2RP2	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number	214048	☐ Routine ☒ Rush	Due Date	72HR													None NO	DI Water H ₂ O		
Project Location	Eddy County, NM																Cool Cool	MeOH Me		
Sampler's Name	CM																HCL HC	HNO ₃ HN		
PO #																	H ₂ SO ₄ H ₂	NaOH Na		
SAMPLE RECEIPT		Temp Blank	Yes (No) ☒	Wet Ice	Yes (No) ☒	Parameters												HOLD		
Received Intact	Yes (No) ☒	Thermometer ID																		
Cooler Custody Seals	Yes (No) ☒	Correction Factor																		
Sample Custody Seals	Yes (No) ☒	Temperature Reading																		
Total Containers	Yes (No) ☒	Corrected Temperature																		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
T-3 (7)	4/7/2021	-	X		G	1	X	X	X											
T-3 (8)	4/7/2021	-	X		G	1	X	X	X											
T-3 (9)	4/7/2021	-	X		G	1	X	X	X											
T-3 (10)	4/7/2021	-	X		G	1	X	X	X											
T-4 (0-1) (HA-1-3)	4/7/2021	-	X		G	1	X	X	X											
T-4 (2)	4/7/2021	-	X		G	1	X	X	X											
T-4 (3)	4/7/2021	-	X		G	1	X	X	X											
T-4 (4)	4/7/2021	-	X		G	1	X	X	X											
T-4 (5)	4/7/2021	-	X		G	1	X	X	X											
T-4 (6)	4/7/2021	-	X		G	1	X	X	X											

Additional Comments:

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Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
		5/29/21			



Chain of Custody

Work Order No: _____

Page 5 of 10

Project Manager	Mike Carmona	Bill to (if different)	James Kennedy
Company Name	NTG Environmental	Company Name	EOG Resources
Address	701 Tradewinds Blvd	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79706	City, State ZIP	Midland Tx 79706
Phone:	432-813-0263	Email	James_Kennedy@eoqresources.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Pertund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables EDD ☐ ADAPT ☐ Other	

Project Name	Cedar Lake 35 Fed Com #2	2RP2	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number	214048	☐ Routine ☒ Rush	Due Date	72HR													None NO	DI Water H ₂ O	
Project Location	Eddy County, NM																Cool Cool	MeOH Me	
Sampler's Name:	CM																HCL HC	HNO ₃ HN	
PO #:																	H ₂ SO ₄ H ₂	NaOH Na	
SAMPLE RECEIPT	Received In tact:	Yes ☒ No ☐	Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐	Thermometer ID:	128									NaHSO ₄ HP		
	Cooler Custody Seals	Yes ☒ No ☐	Correction Factor:	10.5													Na ₂ S ₂ O ₃ NABIS		
	Sample Custody Seals	Yes ☒ No ☐	Temperature Reading	5.8													Zn Acetate+NaOH Zn		
	Total Containers	Yes ☒ No ☐	Corrected Temperature:	6.3													NaOH+Ascorbic Acid S APC		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments
T-4 (7')	4/7/2021	-	X		G	1	BTEX 8021B												
T-4 (8')	4/7/2021	-	X		G	1	TPH 8015M (GRO + DRO + MRO)												
T-4 (9')	4/7/2021	-	X		G	1	Chlordie 300 0												
T-4 (10')	4/7/2021	-	X		G	1													
T-5 (0-1') (SS-5-3)	4/7/2021	-	X		G	1													
T-5 (2)	4/7/2021	-	X		G	1													
T-5 (3)	4/7/2021	-	X		G	1													
T-5 (4)	4/7/2021	-	X		G	1													
T-5 (5)	4/7/2021	-	X		G	1													
T-5 (6)	4/7/2021	-	X		G	1													

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	2	4/8/21 1529	3	4	
5					



Chain of Custody

Work Order No: _____

Page 6 of 10

Project Manager	Mike Carmona	Bill to (if different)	James Kennedy
Company Name	NTG Environmental	Company Name	EOG Resources
Address	701 Tradewinds Blvd	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79706	City, State ZIP	Midland, TX 79706
Phone:	432-813-0263	Email	James.Kennedy@eogresources.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Deepfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables EDD ☐ ADAPT ☐ Other	

Project Name:	Cedar Lake 35 Fed Com #2	2RRP	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	214048	☐ Routine ☒ Rush	Due Date	72HR													None NO	DI Water H ₂ O	
Project Location:	Eddy County, NM																Cool Cool	MeOH Me	
Sampler's Name:	CM																HCL HC	HNO ₃ HN	
PO #:																	H ₂ SO ₄ H ₂	NaOH Na	
SAMPLE RECEIPT		Temp Blank	Yes ☒ No ☐	Wet Ice	Yes ☒ No ☐	Thermometer ID	128										H ₃ PO ₄ HP		
Received In tact:	Yes ☒ No ☐					Correction Factor	10-5										NaHSO ₄ NABIS		
Cooler Custody Seals:	Yes ☒ No ☐					Temperature Reading	5.8										Na ₂ S ₂ O ₃ NaSO ₃		
Sample Custody Seals:	Yes ☒ No ☐					Corrected Temperature	6.3										Zn Acetate+NaOH Zn		
Total Containers:																	NaOH+Ascorbic Acid SABC		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments
T-5 (7)	4/7/2021	-	X		G	1	BTX 8021B												
T-5 (8)	4/7/2021	-	X		G	1	TPH 8015M (GRO + DRO + MRO)												
T-5 (9)	4/7/2021	-	X		G	1	Chlordie 300 0												
T-5 (10)	4/7/2021	-	X		G	1													
T-6 (0-1) (HA-10-3)	4/7/2021	-	X		G	1													
T-6 (2)	4/7/2021	-	X		G	1													
T-6 (3)	4/7/2021	-	X		G	1													
T-6 (4)	4/7/2021	-	X		G	1													
T-6 (5)	4/7/2021	-	X		G	1													
T-6 (6)	4/7/2021	-	X		G	1													

Additional Comments:

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Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
		4/8/21 1429			



Chain of Custody

Work Order No: _____

Page 6 of 6

Project Manager	Mike Camrona	Bill to (if different)	James Kennedy
Company Name	NTG Environmental	Company Name	EOG Resources
Address	701 Tradewinds Blvd	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79706	City, State ZIP	Midland TX 79706
Phone:	432-813-0263	Email	James.Kennedy@eogresources.com

Work Order Comments	
Program: UST/ST	PRP Brownfields JRC
State of Project:	Reporting Level II Level III
Deliverables EDD	ADAPT Other

Project Name.	Cedar Lake 35 Fed Com #2	ZKH	Turn Around		ANALYSIS REQUEST												Preservative Codes				
Project Number	214048	☐ Routine ☒ Rush	Pres. Code													None NO	DI Water H ₂ O				
Project Location	Eddy County, NM	Due Date	72HR													Cool Cool	MeOH Me				
Sampler's Name.	CM	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	Yes (No)	Wet Ice	Yes (No)	Parameters												HOLD			
Received Intact:	Yes (No)	Thermometer ID				BTEX 8021B												NaHSO ₄ NABIS			
Cooler Custody Seals.	Yes (No)	Correction Factor				TPH 8015M (GRO + DRO + MRO)												Na ₂ S ₂ O ₃ NaSO ₃			
Sample Custody Seals.	Yes (No)	Temperature Reading				Chlordie 300 0												Zn Acetate+NaOH Zn			
Total Containers.		Corrected Temperature:																NaOH+Ascorbic Acid SAPC			
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
T-6 (7')		4/7/2021	-	X		G	1	X	X	X											
T-6 (8')		4/7/2021	-	X		G	1	X	X	X											
T-6 (9')		4/7/2021	-	X		G	1	X	X	X											
T-6 (10')		4/7/2021	-	X		G	1	X	X	X											
T-6 (11')		4/7/2021	-	X		G	1	X	X	X											
T-6 (12')		4/7/2021	-	X		G	1	X	X	X											
T-7 (0-1') (HA-1-2)		4/7/2021	-	X		G	1	X	X	X											
T-7 (2')		4/7/2021	-	X		G	1	X	X	X											
T-7 (3')		4/7/2021	-	X		G	1	X	X	X											
T-7 (4')		4/7/2021	-	X		G	1	X	X	X											

Additional Comments:

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Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
		4/8/21 1529			

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-1143-1
SDG Number: Eddy County, NM

Login Number: 1143

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Midland

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	Cooling in progress
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	



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 18, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: CEDAR LAKE 35 FEDERAL COM 2 (2RP-3715)

Enclosed are the results of analyses for samples received by the laboratory on 05/17/23 9:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: T - 1 (15') (H232467-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2023	ND	2.34	117	2.00	1.26	
Toluene*	<0.050	0.050	05/17/2023	ND	2.32	116	2.00	0.571	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.25	113	2.00	1.59	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.87	114	6.00	2.27	
Total BTX	<0.300	0.300	05/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/17/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	188	94.1	200	5.16	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	171	85.7	200	4.53	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: T - 2 (11') (H232467-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.34	117	2.00	1.26		
Toluene*	<0.050	0.050	05/17/2023	ND	2.32	116	2.00	0.571		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.25	113	2.00	1.59		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.87	114	6.00	2.27		
Total BTEx	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	188	94.1	200	5.16	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	171	85.7	200	4.53	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: T - 3 (11') (H232467-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2023	ND	2.34	117	2.00	1.26	
Toluene*	<0.050	0.050	05/17/2023	ND	2.32	116	2.00	0.571	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.25	113	2.00	1.59	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.87	114	6.00	2.27	
Total BTEx	<0.300	0.300	05/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/17/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	188	94.1	200	5.16	
DRO >C10-C28*	30.3	10.0	05/17/2023	ND	171	85.7	200	4.53	
EXT DRO >C28-C36	34.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

H/23246

Page 6 of 6

Released to Imaging: 7/11/2023 11:44:17 AM



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 18, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: CEDAR LAKE 35 FEDERAL COM 2 (2RP-3715)

Enclosed are the results of analyses for samples received by the laboratory on 05/17/23 9:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: CS - 1 (14') (H232470-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.960	0.500	05/17/2023	ND	2.16	108	2.00	14.7	GC-NC1
Toluene*	12.6	0.500	05/17/2023	ND	2.15	108	2.00	14.7	
Ethylbenzene*	8.43	0.500	05/17/2023	ND	2.25	112	2.00	14.6	
Total Xylenes*	93.2	1.50	05/17/2023	ND	6.64	111	6.00	14.0	
Total BTX	115	3.00	05/17/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/17/2023	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	1360	10.0	05/17/2023	ND	182	91.1	200	0.115		
DRO >C10-C28*	1820	10.0	05/17/2023	ND	173	86.3	200	3.78		
EXT DRO >C28-C36	174	10.0	05/17/2023	ND						

Surrogate: 1-Chlorooctane 164 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: CS - 2 (10') (H232470-02)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.16	108	2.00	14.7		
Toluene*	<0.050	0.050	05/17/2023	ND	2.15	108	2.00	14.7		
Ethylbenzene*	0.067	0.050	05/17/2023	ND	2.25	112	2.00	14.6		
Total Xylenes*	0.529	0.150	05/17/2023	ND	6.64	111	6.00	14.0		
Total BTEx	0.596	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 129 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/17/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	42.3	10.0	05/17/2023	ND	182	91.1	200	0.115	
DRO >C10-C28*	1490	10.0	05/17/2023	ND	173	86.3	200	3.78	
EXT DRO >C28-C36	338	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: CS - 3 (11') (H232470-03)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	05/17/2023	ND	2.16	108	2.00	14.7	
Toluene*	10.3	1.00	05/17/2023	ND	2.15	108	2.00	14.7	
Ethylbenzene*	7.50	1.00	05/17/2023	ND	2.25	112	2.00	14.6	
Total Xylenes*	117	3.00	05/17/2023	ND	6.64	111	6.00	14.0	
Total BTEX	134	6.00	05/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/17/2023	ND	400	100	400	0.00		

TPH 8015M	mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1130	10.0	05/17/2023	ND	182	91.1	200	0.115	
DRO >C10-C28*	2680	10.0	05/17/2023	ND	173	86.3	200	3.78	
EXT DRO >C28-C36	407	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 160 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
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 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: CS - 4 (9.5') (H232470-04)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.16	108	2.00	14.7		
Toluene*	0.832	0.050	05/17/2023	ND	2.15	108	2.00	14.7		
Ethylbenzene*	0.626	0.050	05/17/2023	ND	2.25	112	2.00	14.6		
Total Xylenes*	12.0	0.150	05/17/2023	ND	6.64	111	6.00	14.0		
Total BTEx	13.5	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 133 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/17/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	221	10.0	05/17/2023	ND	182	91.1	200	0.115	
DRO >C10-C28*	733	10.0	05/17/2023	ND	173	86.3	200	3.78	
EXT DRO >C28-C36	168	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Analytical Results For:

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 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
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Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: CS - 5 (9.5') (H232470-05)

BTX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2023	ND	2.44	122	2.00	17.0	
Toluene*	0.120	0.050	05/17/2023	ND	2.41	120	2.00	17.1	
Ethylbenzene*	0.166	0.050	05/17/2023	ND	2.33	117	2.00	16.8	
Total Xylenes*	3.54	0.150	05/17/2023	ND	7.05	117	6.00	16.5	
Total BTX	3.83	0.300	05/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 160 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/17/2023	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	116	10.0	05/17/2023	ND	182	91.1	200	0.115	
DRO >C10-C28*	1850	10.0	05/17/2023	ND	173	86.3	200	3.78	
EXT DRO >C28-C36	337	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: CS - 6 (12') (H232470-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.44	122	2.00	17.0		
Toluene*	<0.050	0.050	05/17/2023	ND	2.41	120	2.00	17.1		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.33	117	2.00	16.8		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	7.05	117	6.00	16.5		
Total BTEx	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/17/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	182	91.1	200	0.115	
DRO >C10-C28*	36.9	10.0	05/17/2023	ND	173	86.3	200	3.78	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: CS - 7 (1.5') (H232470-07)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2023	ND	2.44	122	2.00	17.0	
Toluene*	<0.050	0.050	05/17/2023	ND	2.41	120	2.00	17.1	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.33	117	2.00	16.8	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	7.05	117	6.00	16.5	
Total BTEx	<0.300	0.300	05/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/17/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	182	91.1	200	0.115	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	173	86.3	200	3.78	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 1 (14') (H232470-08)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.44	122	2.00	17.0		
Toluene*	<0.050	0.050	05/17/2023	ND	2.41	120	2.00	17.1		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.33	117	2.00	16.8		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	7.05	117	6.00	16.5		
Total BTEX	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/17/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	182	91.1	200	0.115	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	173	86.3	200	3.78	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 2 (14') (H232470-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.44	122	2.00	17.0		
Toluene*	<0.050	0.050	05/17/2023	ND	2.41	120	2.00	17.1		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.33	117	2.00	16.8		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	7.05	117	6.00	16.5		
Total BTEX	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/17/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	182	91.1	200	0.115	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	173	86.3	200	3.78	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 3 (10') (H232470-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.44	122	2.00	17.0		
Toluene*	<0.050	0.050	05/17/2023	ND	2.41	120	2.00	17.1		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.33	117	2.00	16.8		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	7.05	117	6.00	16.5		
Total BTEx	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/17/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	182	91.1	200	0.115	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	173	86.3	200	3.78	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 4 (10') (H232470-11)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2023	ND	2.44	122	2.00	17.0	
Toluene*	<0.050	0.050	05/17/2023	ND	2.41	120	2.00	17.1	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.33	117	2.00	16.8	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	7.05	117	6.00	16.5	
Total BTEX	<0.300	0.300	05/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/17/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	182	91.1	200	0.115	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	173	86.3	200	3.78	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
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 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 5 (11') (H232470-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.44	122	2.00	17.0		
Toluene*	<0.050	0.050	05/17/2023	ND	2.41	120	2.00	17.1		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.33	117	2.00	16.8		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	7.05	117	6.00	16.5		
Total BTEx	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/17/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	182	91.1	200	0.115	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	173	86.3	200	3.78	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
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 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 6 (9.5') (H232470-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.44	122	2.00	17.0		
Toluene*	<0.050	0.050	05/17/2023	ND	2.41	120	2.00	17.1		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.33	117	2.00	16.8		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	7.05	117	6.00	16.5		
Total BTEx	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/17/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	182	91.1	200	0.115	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	173	86.3	200	3.78	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 7 (12') (H232470-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.44	122	2.00	17.0		
Toluene*	<0.050	0.050	05/17/2023	ND	2.41	120	2.00	17.1		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.33	117	2.00	16.8		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	7.05	117	6.00	16.5		
Total BTEx	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/17/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	182	91.1	200	0.115	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	173	86.3	200	3.78	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 8 (1.5') (H232470-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.44	122	2.00	17.0		
Toluene*	<0.050	0.050	05/17/2023	ND	2.41	120	2.00	17.1		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.33	117	2.00	16.8		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	7.05	117	6.00	16.5		
Total BTEx	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/17/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	182	91.1	200	0.115	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	173	86.3	200	3.78	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 99.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 9 (1.5') (H232470-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.44	122	2.00	17.0		
Toluene*	<0.050	0.050	05/17/2023	ND	2.41	120	2.00	17.1		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.33	117	2.00	16.8		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	7.05	117	6.00	16.5		
Total BTEX	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/17/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	182	91.1	200	0.115	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	173	86.3	200	3.78	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 96.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 10 (1.5') (H232470-17)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.44	122	2.00	17.0		
Toluene*	<0.050	0.050	05/17/2023	ND	2.41	120	2.00	17.1		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.33	117	2.00	16.8		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	7.05	117	6.00	16.5		
Total BTEX	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/17/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	189	94.4	200	2.54	
DRO >C10-C28*	30.7	10.0	05/17/2023	ND	165	82.5	200	8.69	
EXT DRO >C28-C36	15.5	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 11 (12') (H232470-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.44	122	2.00	17.0		
Toluene*	<0.050	0.050	05/17/2023	ND	2.41	120	2.00	17.1		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.33	117	2.00	16.8		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	7.05	117	6.00	16.5		
Total BTEx	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/17/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	189	94.4	200	2.54	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	165	82.5	200	8.69	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.5 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 12 (9.5') (H232470-19)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.44	122	2.00	17.0		
Toluene*	<0.050	0.050	05/17/2023	ND	2.41	120	2.00	17.1		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.33	117	2.00	16.8		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	7.05	117	6.00	16.5		
Total BTEX	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/17/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	189	94.4	200	2.54	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	165	82.5	200	8.69	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 93.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 13 (9.5') (H232470-20)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.44	122	2.00	17.0		
Toluene*	<0.050	0.050	05/17/2023	ND	2.41	120	2.00	17.1		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.33	117	2.00	16.8		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	7.05	117	6.00	16.5		
Total BTEX	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/17/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	189	94.4	200	2.54	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	165	82.5	200	8.69	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
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 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 14 (9.5') (H232470-21)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.44	122	2.00	17.0		
Toluene*	<0.050	0.050	05/17/2023	ND	2.41	120	2.00	17.1		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.33	117	2.00	16.8		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	7.05	117	6.00	16.5		
Total BTEX	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/17/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	189	94.4	200	2.54	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	165	82.5	200	8.69	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
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 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 15 (11') (H232470-22)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.44	122	2.00	17.0		
Toluene*	<0.050	0.050	05/17/2023	ND	2.41	120	2.00	17.1		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.33	117	2.00	16.8		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	7.05	117	6.00	16.5		
Total BTEX	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/17/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	189	94.4	200	2.54	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	165	82.5	200	8.69	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 16 (10') (H232470-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.44	122	2.00	17.0		
Toluene*	<0.050	0.050	05/17/2023	ND	2.41	120	2.00	17.1		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.33	117	2.00	16.8		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	7.05	117	6.00	16.5		
Total BTEx	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/17/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	189	94.4	200	2.54	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	165	82.5	200	8.69	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 17 (14') (H232470-24)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.44	122	2.00	17.0		
Toluene*	<0.050	0.050	05/17/2023	ND	2.41	120	2.00	17.1		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.33	117	2.00	16.8		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	7.05	117	6.00	16.5		
Total BTEx	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/17/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	189	94.4	200	2.54	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	165	82.5	200	8.69	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 18 (14') (H232470-25)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.36	118	2.00	2.24		
Toluene*	<0.050	0.050	05/17/2023	ND	2.34	117	2.00	1.91		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.27	114	2.00	1.93		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.90	115	6.00	2.56		
Total BTEx	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/17/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	189	94.4	200	2.54	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	165	82.5	200	8.69	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 19 (14') (H232470-26)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.36	118	2.00	2.24		
Toluene*	<0.050	0.050	05/17/2023	ND	2.34	117	2.00	1.91		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.27	114	2.00	1.93		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.90	115	6.00	2.56		
Total BTEx	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/17/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	189	94.4	200	2.54	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	165	82.5	200	8.69	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 20 (4') (H232470-27)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.36	118	2.00	2.24		
Toluene*	<0.050	0.050	05/17/2023	ND	2.34	117	2.00	1.91		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.27	114	2.00	1.93		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.90	115	6.00	2.56		
Total BTEx	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/17/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	189	94.4	200	2.54	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	165	82.5	200	8.69	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.5 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 21 (1') (H232470-28)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.36	118	2.00	2.24		
Toluene*	<0.050	0.050	05/17/2023	ND	2.34	117	2.00	1.91		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.27	114	2.00	1.93		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.90	115	6.00	2.56		
Total BTEx	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/17/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	189	94.4	200	2.54	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	165	82.5	200	8.69	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 99.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.2 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 22 (1.5') (H232470-29)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.36	118	2.00	2.24		
Toluene*	<0.050	0.050	05/17/2023	ND	2.34	117	2.00	1.91		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.27	114	2.00	1.93		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.90	115	6.00	2.56		
Total BTEX	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/17/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	189	94.4	200	2.54	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	165	82.5	200	8.69	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.5 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 23 (2.5') (H232470-30)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.36	118	2.00	2.24		
Toluene*	<0.050	0.050	05/17/2023	ND	2.34	117	2.00	1.91		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.27	114	2.00	1.93		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.90	115	6.00	2.56		
Total BTEX	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/17/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	189	94.4	200	2.54	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	165	82.5	200	8.69	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: SW - 24 (10.5') (H232470-31)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.36	118	2.00	2.24		
Toluene*	<0.050	0.050	05/17/2023	ND	2.34	117	2.00	1.91		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.27	114	2.00	1.93		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.90	115	6.00	2.56		
Total BTEX	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/17/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	189	94.4	200	2.54	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	165	82.5	200	8.69	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.2 % 49.1-148

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Chain of Custody

Work Order No:

4232470

Page 1 of 4

Project Manager:	Conner Moehring	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St. Ste 500	Address:	5508 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-6823	Email:	James_Kennedy@eogresources.com

Program: ☐ UST/PT ☐ PRP ☐ Brownfields ☐ RRC ☐ Iperfund ☐ State of Project: ☐ Level I ☐ Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐ Deliverables: EDD ☐ ADAPT ☐ Other:	
---	--

Project Name:	Cedar Lake 35 Federal Com 2 (2RP-3715)	Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes	
		☐ Routine	☒ Rush														None: NO	DI Water: H ₂ O
Project Number:	2023																Cool: Cool	MeOH: Me
Project Location:	Eddy County, New Mexico																HCL: HC	HNO ₃ : HN
Sampler's Name:	FV																H ₂ SO ₄ : H ₂	NaOH: Na
PO #:																	H ₃ PO ₄ : HP	
SAMPLE RECEIPT	Temp Blank:	Yes	No	Yes	No													NaHSO ₄ : NABIS
	Received Intact:	Yes	No	Yes	No													Na ₂ S ₂ O ₅ : NaSO ₃
	Cooler Custody Seals:	Yes	No	Yes	No													Zn Acetate+NaOH: Zn
	Sample Custody Seals:	Yes	No	Yes	No													NaOH+Ascorbic Acid: SAPC
Total Containers:				Corrected Temperature:														
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments
CS-1 (14)		5/17/2023		X		C	1	X	X	X								
CS-2 (10)		5/17/2023		X		C	1	X	X	X								
CS-3 (11)		5/17/2023		X		C	1	X	X	X								
CS-4 (9.5)		5/17/2023		X		C	1	X	X	X								
CS-5 (9.5)		5/17/2023		X		C	1	X	X	X								
CS-6 (12)		5/17/2023		X		C	1	X	X	X								
CS-7 (1.5)		5/17/2023		X		C	1	X	X	X								
SW-1 (14)		5/17/2023		X		C	1	X	X	X								
SW-2 (14)		5/17/2023		X		C	1	X	X	X								
SW-3 (10)		5/17/2023		X		C	1	X	X	X								

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Conner Moehring</i>	5/17/23 0905	<i>James Kennedy</i>	

Chain of Custody

Work Order No: H032470

Page 2 of 4

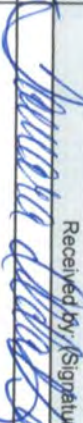
Project Manager:	Conner Moehring	Bill to: (if different)	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-6823	Email:	James_Kennedy@eogresources.com

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Iperfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	Deliverables: EDD ☐ ADAPT ☐ Other: ☐

Project Name:	Cedar Lake 35 Federal Com 2 (2RP-3715)	Turn Around	☐ Routine ☒ Rush	Pres. Code	ANALYSIS REQUEST										Preservative Codes		
Project Number:	2023														None: NO	DI Water: H ₂ O	
Project Location:	Eddy County, New Mexico	Due Date:	24 hours												Cool: Cool	MeOH: Me	
Sampler's Name:	FV														HCL: HC	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	
Received Intact:	Yes ☒ No ☐	Thermometer ID:														NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes ☒ No ☐	Correction Factor:														Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes ☒ No ☐	Temperature Reading:														Zn Acetate+NaOH: Zn	
Total Containers:		Corrected Temperature:														NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	TPH										Sample Comments		
SW-4 (10')	5/17/2023		X		C	1	X	X	X										
SW-5 (11')	5/17/2023		X		C	1	X	X	X										
SW-6 (9.5')	5/17/2023		X		C	1	X	X	X										
SW-7 (12')	5/17/2023		X		C	1	X	X	X										
SW-8 (1.5')	5/17/2023		X		C	1	X	X	X										
SW-9 (1.5')	5/17/2023		X		C	1	X	X	X										
SW-10 (1.5')	5/17/2023		X		C	1	X	X	X										
SW-11 (12')	5/17/2023		X		C	1	X	X	X										
SW-12 (9.5')	5/17/2023		X		C	1	X	X	X										
SW-13 (9.5')	5/17/2023		X		C	1	X	X	X										

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5/17/23 0905		

Chain of Custody

Work Order No: H23347

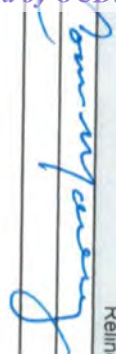
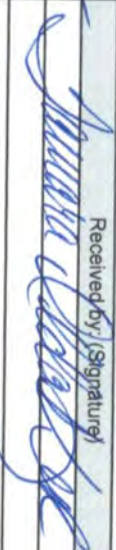
Project Manager:	Conner Moehring	Bill to: (if different)	Todd Weller- James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	Todd.Weller@eogresources.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Iperfund ☐	
State of Project:	
Reporting Level: I ☐ Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:	Cedar Lake 35 Federal Com 2 (2RP-3715)	Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes				
Project Number:	2023	☐ Routine	☒ Rush														None: NO	DI Water: H ₂ O			
Project Location	Eddy County, New Mexico	Due Date:	24 hours														Cool: Cool	MeOH: Me			
Sampler's Name:	FV																HCL: HC	HNO ₃ : HN			
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na			
SAMPLE RECEIPT		Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐	Parameters															
Received Intact:	Yes ☒ No ☐	Thermometer ID:	113			BTX 8021B															
Cooler Custody Seals:	Yes ☒ No ☐	Correction Factor:	-0.6%			TPH 8015M (GRO + DRO + MRO)															
Sample Custody Seals:	Yes ☒ No ☐	Temperature Reading:	-14%			Chloride 300.0															
Total Containers:		Corrected Temperature:	-20%																		
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
SW-14 (9.5')		5/17/2023		X		C	1	X	X	X											
SW-15 (11')		5/17/2023		X		C	1	X	X	X											
SW-16 (10')		5/17/2023		X		C	1	X	X	X											
SW-17 (14')		5/17/2023		X		C	1	X	X	X											
SW-18 (14')		5/17/2023		X		C	1	X	X	X											
SW-19 (14')		5/17/2023		X		C	1	X	X	X											
SW-20 (4')		5/17/2023		X		C	1	X	X	X											
SW-21 (1')		5/17/2023		X		C	1	X	X	X											
SW-22 (1.5')		5/17/2023		X		C	1	X	X	X											
SW-23 (2.5')		5/17/2023		X		C	1	X	X	X											

Footer: Email to: info@cedarlake35.com

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5/17/23 0905		

H23247

Page 4 of 4

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ perfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

[illegible]

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 19, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: CEDAR LAKE 35 FEDERAL COM 2 (2RP-3715)

Enclosed are the results of analyses for samples received by the laboratory on 05/18/23 13:08.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/18/2023	Sampling Date:	05/18/2023
Reported:	05/19/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: CS - 1 (15') (H232519-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/19/2023	ND	2.43	122	2.00	6.28	
Toluene*	0.334	0.050	05/19/2023	ND	2.41	120	2.00	6.93	
Ethylbenzene*	0.219	0.050	05/19/2023	ND	2.35	118	2.00	7.24	
Total Xylenes*	3.52	0.150	05/19/2023	ND	7.14	119	6.00	7.26	
Total BTX	4.08	0.300	05/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/19/2023	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	60.3	10.0	05/18/2023	ND	173	86.4	200	7.58	
DRO >C10-C28*	230	10.0	05/18/2023	ND	183	91.7	200	10.9	
EXT DRO >C28-C36	20.7	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/18/2023	Sampling Date:	05/18/2023
Reported:	05/19/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: CS - 2 (11') (H232519-02)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/19/2023	ND	2.43	122	2.00	6.28	
Toluene*	1.64	0.050	05/19/2023	ND	2.41	120	2.00	6.93	
Ethylbenzene*	1.07	0.050	05/19/2023	ND	2.35	118	2.00	7.24	
Total Xylenes*	16.2	0.150	05/19/2023	ND	7.14	119	6.00	7.26	
Total BTEX	18.9	0.300	05/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 182 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/19/2023	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	242	10.0	05/18/2023	ND	173	86.4	200	7.58	
DRO >C10-C28*	814	10.0	05/18/2023	ND	183	91.7	200	10.9	
EXT DRO >C28-C36	95.1	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 138 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/18/2023	Sampling Date:	05/18/2023
Reported:	05/19/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: CS - 3 (12') (H232519-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.903	0.500	05/19/2023	ND	2.43	122	2.00	6.28	
Toluene*	29.8	0.500	05/19/2023	ND	2.41	120	2.00	6.93	
Ethylbenzene*	8.06	0.500	05/19/2023	ND	2.35	118	2.00	7.24	
Total Xylenes*	86.7	1.50	05/19/2023	ND	7.14	119	6.00	7.26	
Total BTEX	125	3.00	05/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 129 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/19/2023	ND	400	100	400	0.00	
TPH 8015M									S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1920	10.0	05/19/2023	ND	173	86.4	200	7.58	
DRO >C10-C28*	2570	10.0	05/19/2023	ND	183	91.7	200	10.9	
EXT DRO >C28-C36	286	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 222 % 48.2-134

Surrogate: 1-Chlorooctadecane 177 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/18/2023	Sampling Date:	05/18/2023
Reported:	05/19/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: CS - 5 (11') (H232519-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/19/2023	ND	2.43	122	2.00	6.28		
Toluene*	0.067	0.050	05/19/2023	ND	2.41	120	2.00	6.93		
Ethylbenzene*	0.051	0.050	05/19/2023	ND	2.35	118	2.00	7.24		
Total Xylenes*	0.575	0.150	05/19/2023	ND	7.14	119	6.00	7.26		
Total BTEX	0.694	0.300	05/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	05/19/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	20.5	10.0	05/19/2023	ND	173	86.4	200	7.58	
DRO >C10-C28*	165	10.0	05/19/2023	ND	183	91.7	200	10.9	
EXT DRO >C28-C36	42.3	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No:

423251

Project Manager:	Conner Moehring	Bill to (if different):	James Kennedy
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79706
Phone:	432-813-6823	Email:	James.Kennedy@eogresources.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Perturb ☐	
State of Project:	
Reporting Level I ☐ Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:		Cedar Lake 35 Federal Com 2 (2RP-3715)		Turn Around			Pres. Code	ANALYSIS REQUEST												Preservative Codes																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Project Number:	2023	☐ Routine	☒ Rush	Due Date:		24 hours		None: NO	DI Water: H ₂ O																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Project Location	Eddy County, New Mexico		Due Date:		24 hours		Cool: Cool	MeOH: Me																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Sampler's Name:	FV		Due Date:		24 hours		HCL: HC	HNO ₃ : HN																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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SAMPLE RECEIPT		Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐	Parameters																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>John T. Sapp</i>	5-18-23 1308	<i>James Kennedy</i>	



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 19, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: CEDAR LAKE 35 FEDERAL COM 2 (2RP-3715)

Enclosed are the results of analyses for samples received by the laboratory on 05/19/23 12:27.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/19/2023	Sampling Date:	05/19/2023
Reported:	05/19/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: CS - 2 (11.25') (H232562-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/19/2023	ND	2.35	117	2.00	1.76		
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	0.784		
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.25	112	2.00	1.63		
Total Xylenes*	<0.150	0.150	05/19/2023	ND	6.80	113	6.00	1.71		
Total BTEX	<0.300	0.300	05/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/19/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	170	84.8	200	8.13	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	156	78.0	200	12.0	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 135 % 48.2-134

Surrogate: 1-Chlorooctadecane 146 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/19/2023	Sampling Date:	05/19/2023
Reported:	05/19/2023	Sampling Type:	Soil
Project Name:	CEDAR LAKE 35 FEDERAL COM 2 (2RP-3	Sampling Condition:	Cool & Intact
Project Number:	2023	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

Sample ID: CS - 3 (12.5') (H232562-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/19/2023	ND	2.35	117	2.00	1.76		
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	0.784		
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.25	112	2.00	1.63		
Total Xylenes*	<0.150	0.150	05/19/2023	ND	6.80	113	6.00	1.71		
Total BTEx	<0.300	0.300	05/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/19/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	170	84.8	200	8.13	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	156	78.0	200	12.0	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 157 % 48.2-134

Surrogate: 1-Chlorooctadecane 170 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Work Order No:

A232563

Page 1 of 1

Released to Imaging: 7/11/2023 11:44:17 AM

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 233176

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 233176
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	7/11/2023