CARMONA RESOURCES

SITE INFORMATION

Closure Report
Denton 5 SWD
Lea County, New Mexico
Unit N Sec 02 T15S R37E
33.041141°, -103.173094°

Incident Number: NSAP0127670627
Produced Water Release
Point of Release: Rupture in line
Release Date: 10/03/2001
Volume Released: Unknown Volume
Volume Recovered: Unknown Volume

Incident Number: NPAC0614540738
Produced Water Release
Point of Release: Tank overflow due to pump failure
Release Date: 05/23/2006
Volume Released: 125 barrels of Produced Water
Volume Recovered: 80 barrels of Produced Water

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Incident Number: NPAC0730337383
Crude Oil Release
Point of Release: Tank overflow
Release Date: 10/22/2007
Volume Released: 20 barrels of Produced Water
Volume Recovered: 15 barrels of Produced Water

Incident Number: nGL0916227517
Crude Oil Release
Point of Release: Lighting Strike
Release Date: 05/03/2009
Volume Released: 50 barrels of Crude Oil
Volume Recovered: 0 barrels of Crude Oil

Prepared for:
Fasken Oil and Ranch, Ltd
6101 Holiday Hill Road
Midland, Texas 79707

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

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July 23, 2025

New Mexico Oil Conservation Division
1220 South St, Francis Drive
Santa Fe, NM 87505

Re: Closure Report
Denton 5 SWD
Fasken Oil and Ranch, Ltd
Site Location: Unit N, S02, T15S, R37E
(Lat 33.041141º, Long -103.173094º)
Lea County, New Mexico

To whom it may concern:

On behalf of Fasken Oil and Ranch, Ltd (Fasken), Carmona Resources, LLC has prepared this letter to document the Denton 5 SWD site activities. The site is located at 33.041141º, -103.173094º within Unit N, S02, T15S, R37E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

NSAP0127670627

Based on the incident details in the New Mexico Oil Conservation Division (NMOCD) permitting portal, the release was discovered on October 3, 2001, due to a rupture in a line. An unknown amount was released, and an unknown amount was recovered. See Figure 3 for the area of concern located on the pad. The NMOCD permitting documentation is attached in Appendix C.

NPAC0614540738

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on May 23, 2006, due to pump failure causing a tan to overflow. It resulted in the release of approximately one hundred and twenty-five (125) barrels of produced water, and eighty (80) barrels of produced water were recovered. See Figure 3 for the area of concern located on the pad. The initial C-141 form is attached in Appendix C.

NPAC0730337383

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered due to a tank overflow on October 22, 2007. It resulted in the release of approximately twenty (20) barrels of crude oil, and fifteen (15) barrels of crude oil were recovered. See Figure 3 for the area of concern located on the pad. The initial C-141 form is attached in Appendix C.

nGL0916227517

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on May 3, 2009, due to a lightning strike. It resulted in the release of approximately fifty (50) barrels of crude oil, and zero (0) barrels of crude oil were recovered. See Figure 3 for the area of concern located on the pad. The initial C-141 form is attached in Appendix C.

On March 7, 2023, the NMOCD approved a variance for 400 sq. ft composite sampling. The approved work plan correspondence is attached in Appendix C.

2.0 Site Characterization and Groundwater

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

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The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, one known water source is located within a 0.50-mile radius of the location and drilled within 25 years. It is approximately 0.26 miles from the site in S02, T15S, R37E and was drilled in 1997. The well has a reported depth to groundwater of 84.0' feet below the ground surface (ft bgs). A copy of the associated Summary report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

4.0 Site Assessment Activities

On September 29, 2022, Fasken performed site assessment activities to evaluate soil impacts stemming from the multiple releases. A total of six (6) backhoe samples (BH-1 through BH-6) and four (4) horizontal sample points (North, South, East, and West) and a background sample (BG) were installed to depths ranging from the surface – 4’ bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figure 3 for the soil sample locations. 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 and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix D. Refer to Table 1.

All initial samples were below the regulatory requirements for TPH, BTEX, and chloride. Refer to Table 1.

5.0 Remediation Activities

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill and reclamation activities. Before collecting composite confirmation samples, the NMOCD division office was notified via email on May 30, 2023, and June 5, 2023, per Subsection D of 19.15.29.12 NMAC. The NMSLO was notified via email on May 30, 2023, and June 5, 2023, per the NMSLO document Communication with the Environmental Compliance Office. See Appendix C. A total of ninety-four (94) floor confirmation samples were collected (CS-1 through CS-94), and thirteen (13) sidewall samples (SW-1 through SW-13) were collected every 400 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300/4500. 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 4A/B.

The composite confirmation floor samples and sidewalls in exceedance were excavated an additional 0.25’- 0.5’ to remove all impacted material, and the samples were recollected and submitted to the lab.

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

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

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Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Based on further investigation, once all the facility equipment and tanks were removed, additional material was hauled to disposal from under the tanks. The firewall material was tested and found to be impacted. Approximately 5,060 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Reclamation Activities

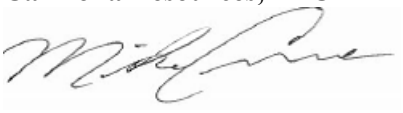
Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. The areas were drill seeded on June 23, 2023, during the summer to help aid the growth process. The appropriate pounds of pure live seed per acre were used. The seed mixture was spread by a tractor and a seed drill equipped with a depth regulator. The seed mixture used was the SLO Loamy mixture, as requested and approved by the SLO (See attachments in Appendix F).

On February 10, 2025, the site was revisited to conduct a vegetation survey of the reclaimed well pad. Regrowth over the entire area was found to be evident and was documented. Grasses have taken over, with greater than 70% vegetation cover over the entire location. Refer to Appendix B for documentation.

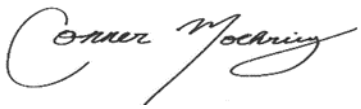
7.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. The final C-141 is attached, and Fasken formally requests the closure of the spill. 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



Mike Carmona
Environmental Manager

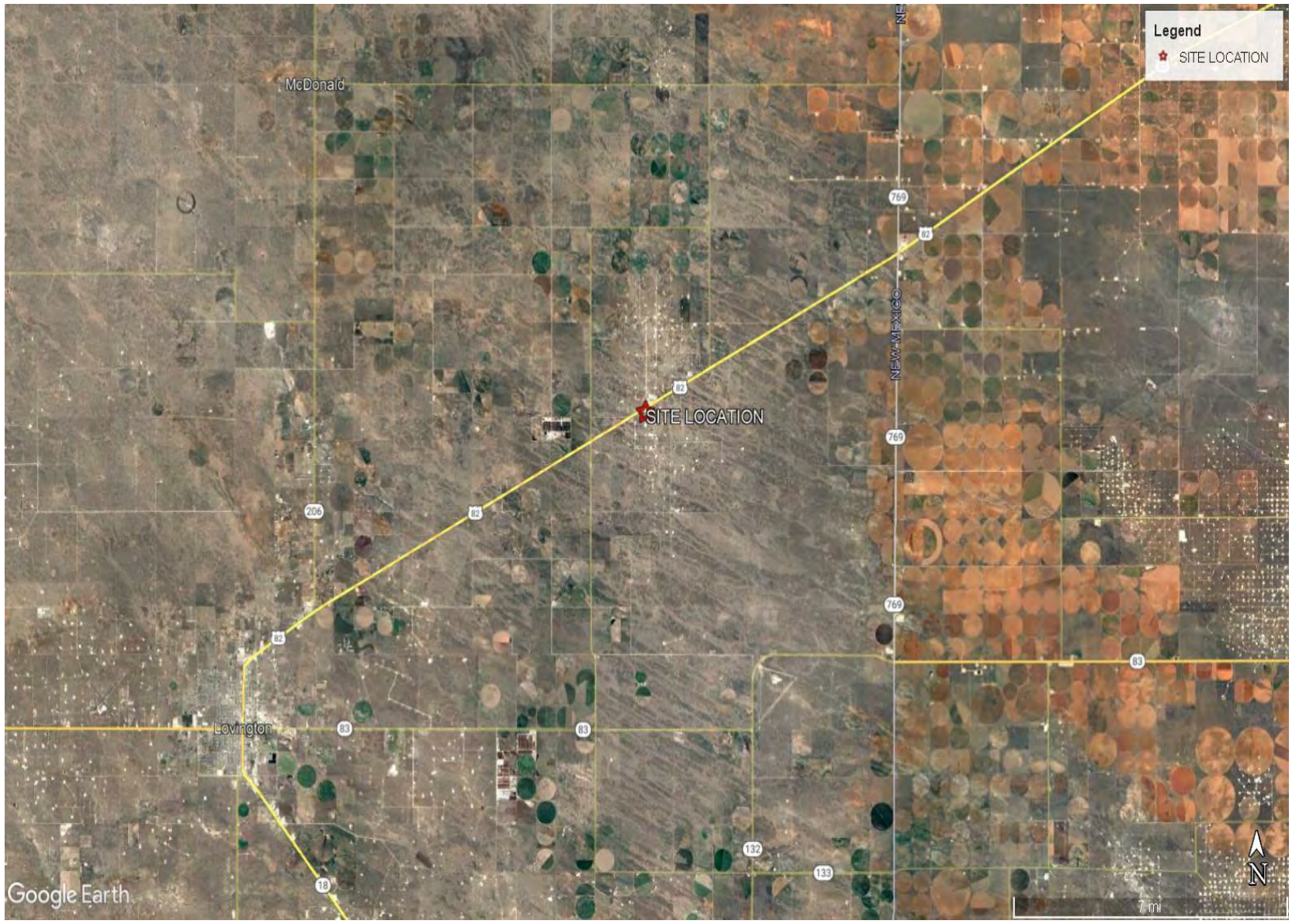


Conner Moehring
Sr Project Manager

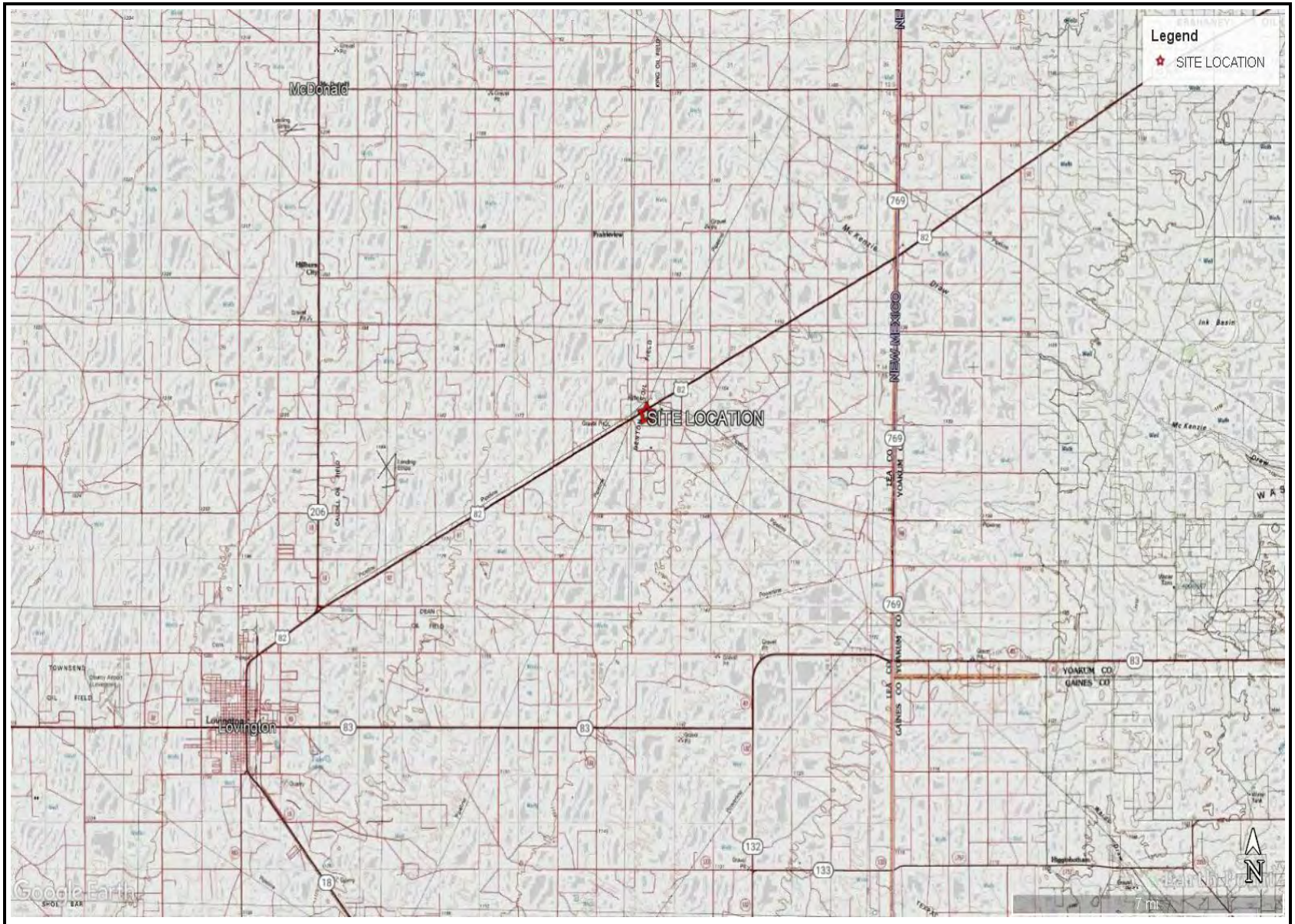
310 West Wall Street, Suite 500
Midland TX, 79701
432.813.1992

FIGURES

CARMONA RESOURCES



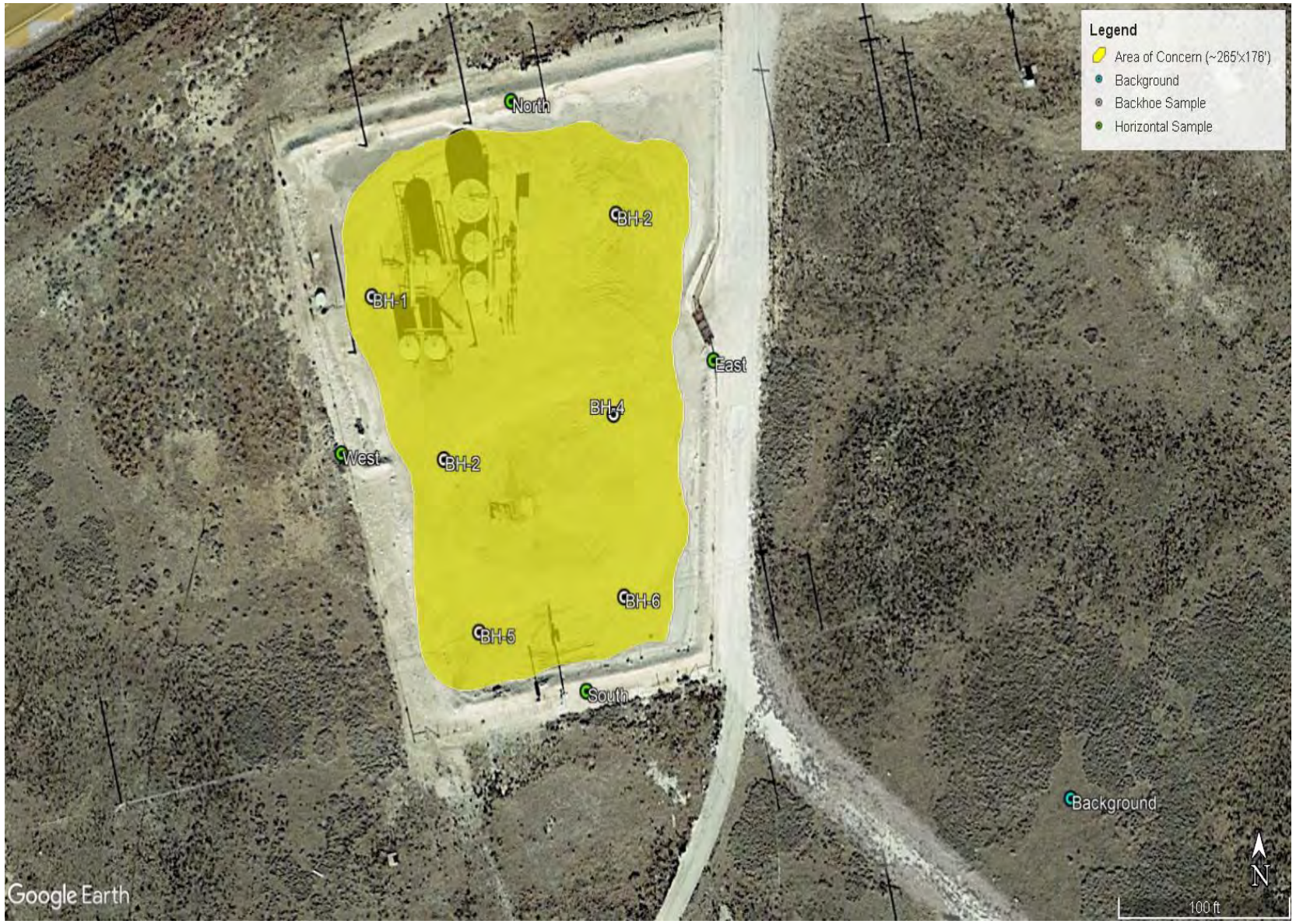
SITE OVERVIEW MAP FASKEN OIL AND RANCH DENTON 5 SWD LEA COUNTY, NEW MEXICO 33.041141°, -103.173094°	CARMONA RESOURCES	FIGURE 1



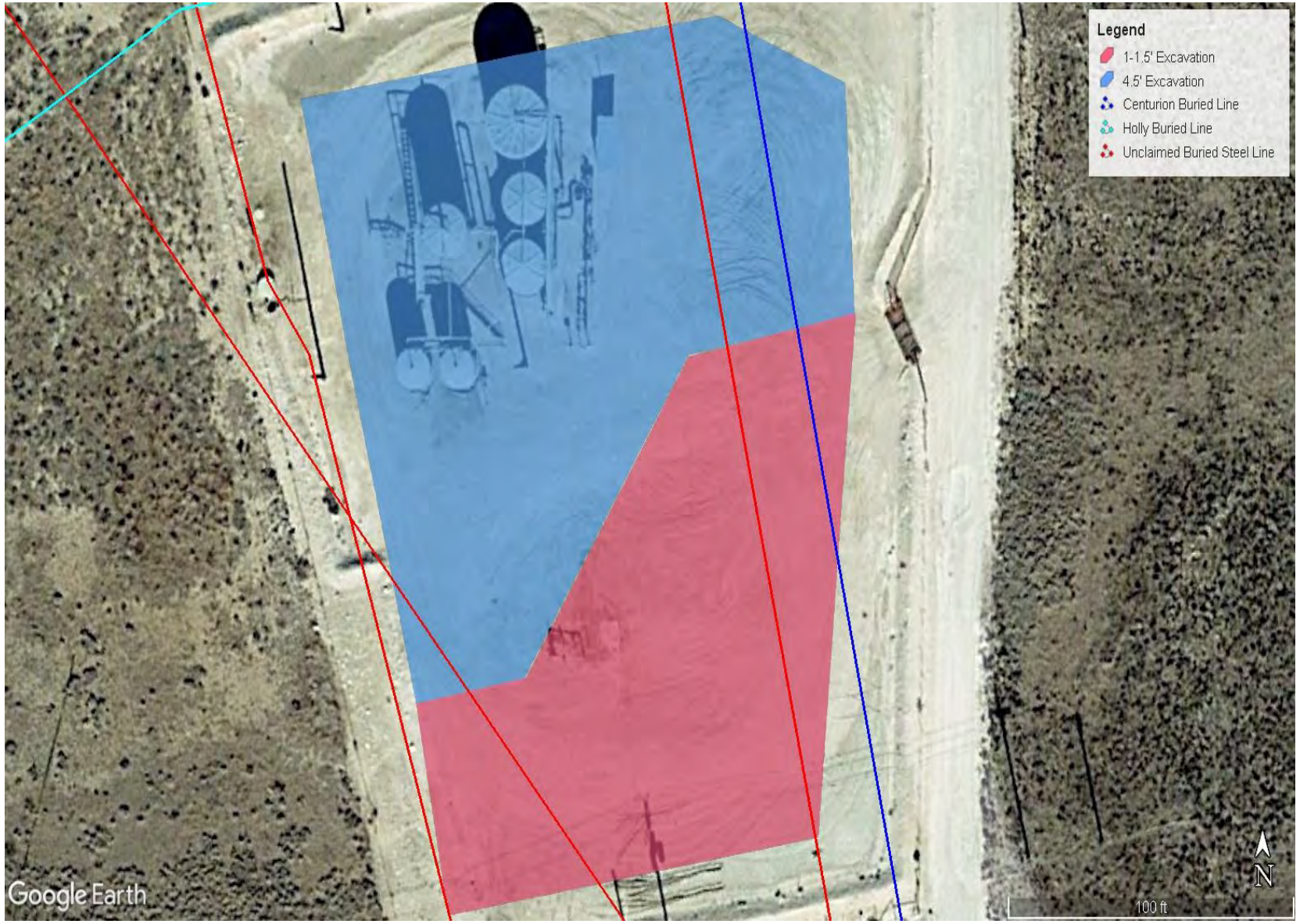
TOPOGRAPHIC MAP
FASKEN OIL AND RANCH
DENTON 5 SWD
LEA COUNTY, NEW MEXICO
33.041141°, -103.173094°

CARMONA RESOURCES

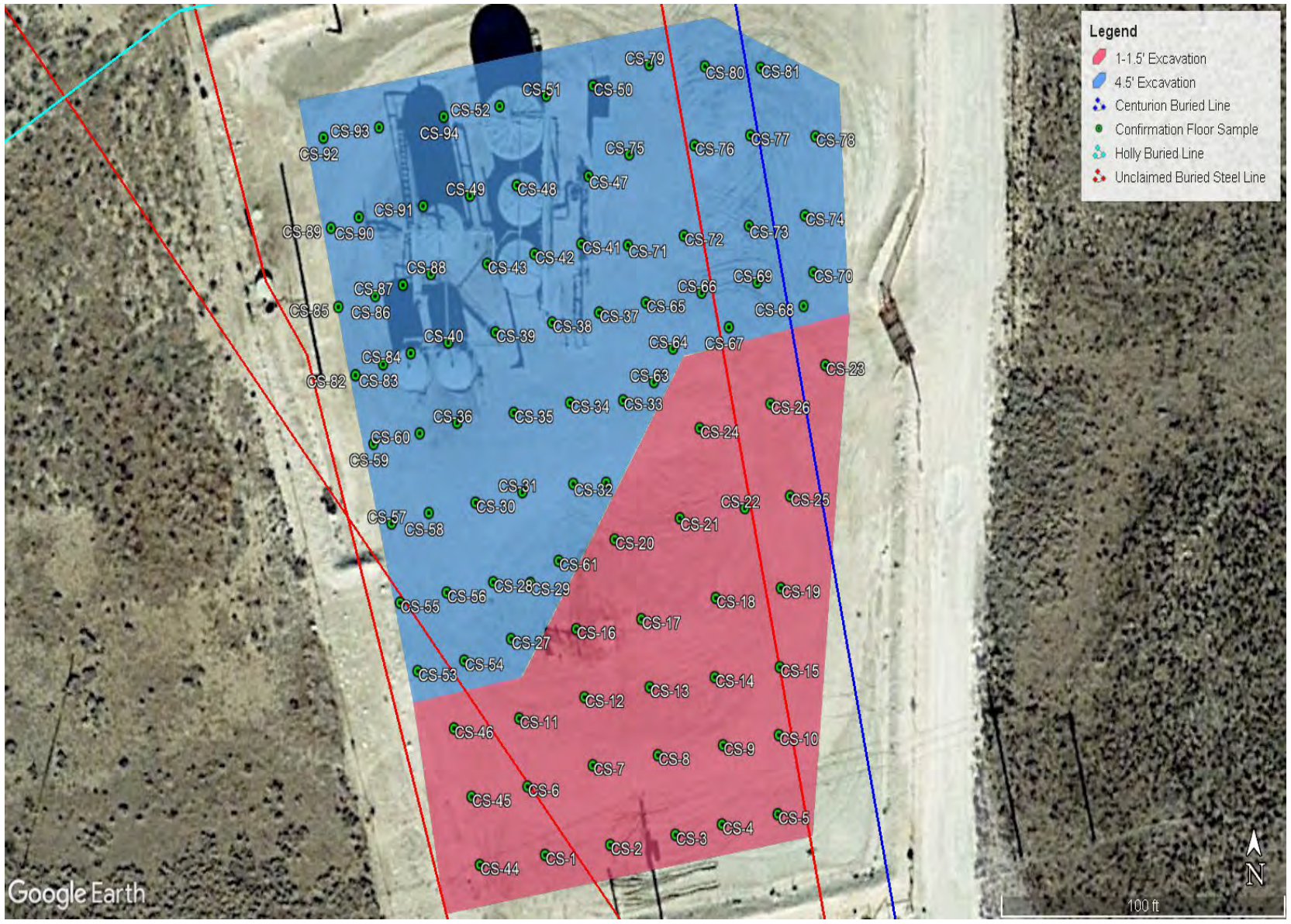
FIGURE 2



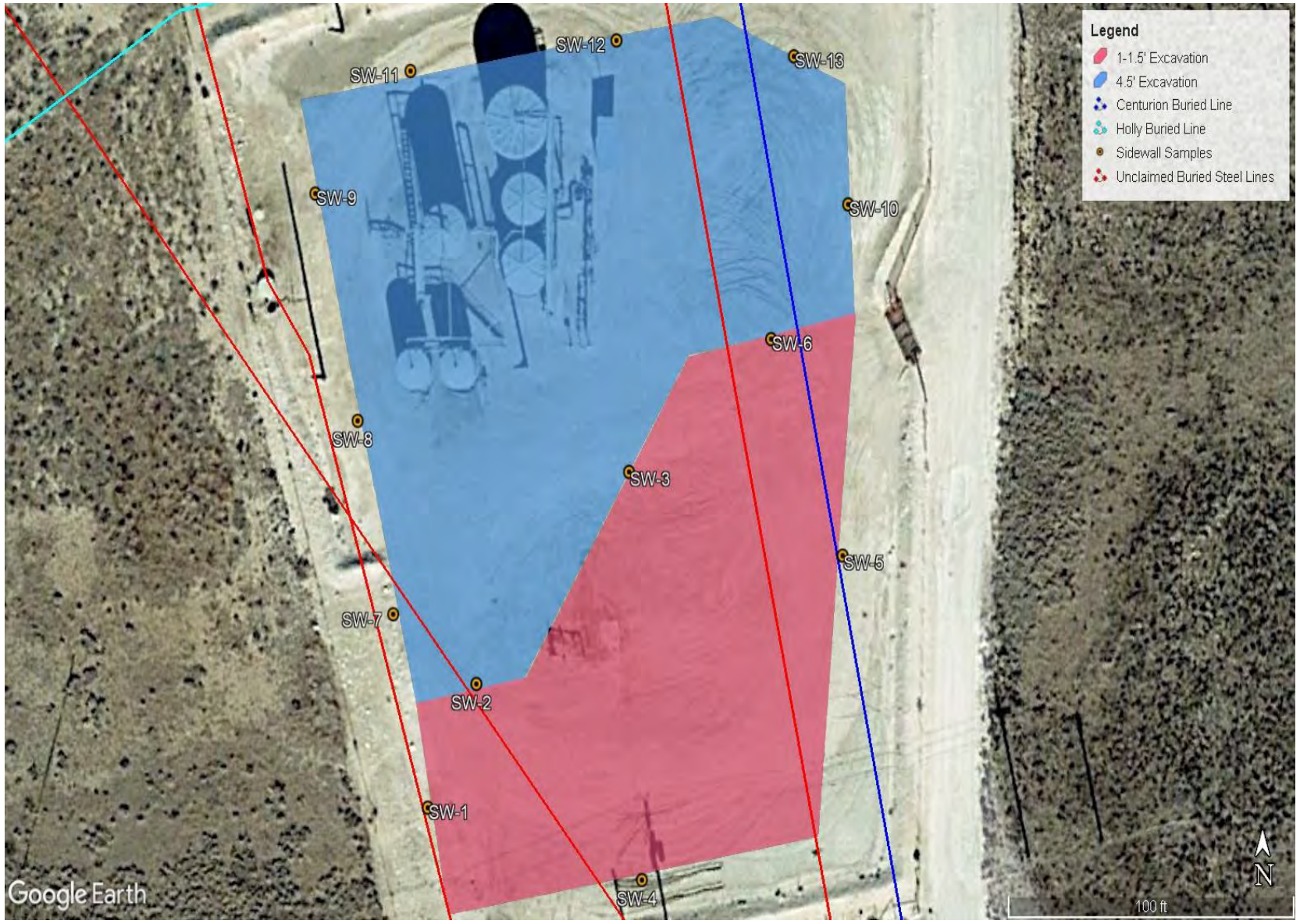
SAMPLE LOCATION MAP FASKEN OIL AND RANCH DENTON 5 SWD LEA COUNTY, NEW MEXICO 33.041141°, -103.173094°	CARMONA RESOURCES	FIGURE 3



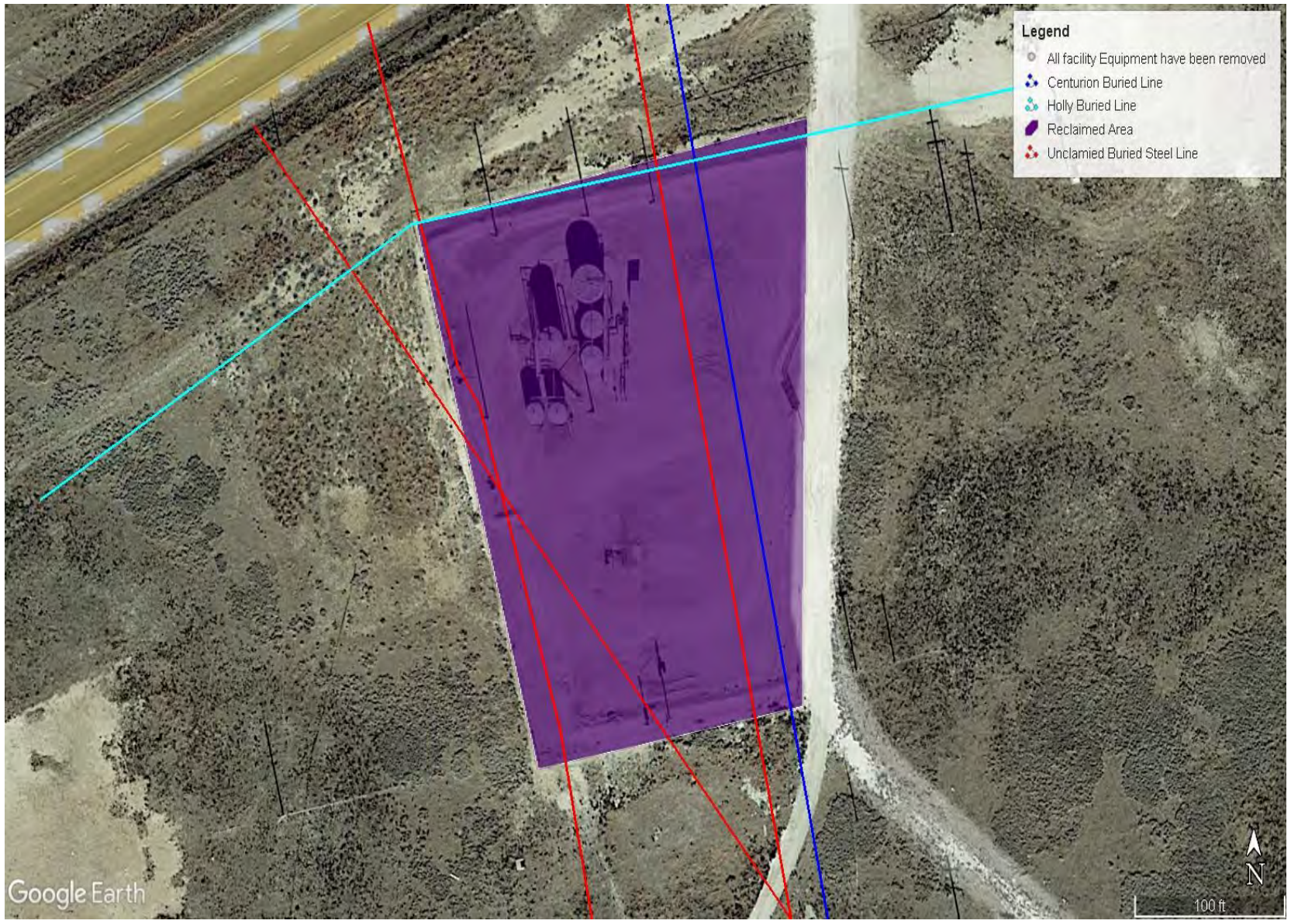
EXCAVATION OVERVIEW MAP FASKEN OIL AND RANCH DENTON 5 SWD LEA COUNTY, NEW MEXICO 33.041141°, -103.173094°	CARMONA RESOURCES	FIGURE 4



EXCAVATION MAP FASKEN OIL AND RANCH DENTON 5 SWD LEA COUNTY, NEW MEXICO 33.041141°, -103.173094°	CARMONA RESOURCES	FIGURE 4A



EXCAVATION MAP FASKEN OIL AND RANCH DENTON 5 SWD LEA COUNTY, NEW MEXICO 33.041141°, -103.173094°	CARMONA RESOURCES	FIGURE 4B



RECLAMATION MAP FASKEN OIL AND RANCH DENTON 5 SWD LEA COUNTY, NEW MEXICO 33.041141°, -103.173094°	CARMONA RESOURCES	FIGURE 5

APPENDIX A

CARMONA RESOURCES

Table 1
Fasken Oil and Ranch
Denton 5 SWD
Lea 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						
BH-1	9/29/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,570
	"	1.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,180
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,260
	"	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	1,750
	"	4.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,280
BH-2	9/29/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	3,080
	"	1.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	454
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	464
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	733
	"	4.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	761
BH-3	9/29/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	4,020
	"	1.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,640
	"	2.0	<49.9	226	<49.9	226	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	1,200
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,580
	"	4.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	1,630
BH-4	9/29/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,440
	"	1.0	<50.0	52.7	<50.0	52.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	354
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	304
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	316
	"	4.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	518
BH-5	9/29/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,660
	"	1.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00396	<0.00396	337
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	438
	"	3.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	442
	"	4.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	572
BH-6	9/29/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	3,080
	"	1.0	<49.9	109	<49.9	109	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	293
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	435
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	255
	"	4.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	322
NORTH	9/29/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	251
SOUTH	9/29/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	88.5
EAST	9/29/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	437
WEST	9/29/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	31.2
BACKGROUND	9/29/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	15.1
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
(BH) - Backhoe Sample
Removed

Table 2
Fasken Oil and Ranch
Denton 5 SWD
Lea 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						
CS-1	6/2/2023	1.0	<49.9	76.3	<49.9	76.3	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	549
CS-2	6/2/2023	1.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	**643**
	6/8/2023	1.25	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-3	6/2/2023	1.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**688**
	6/8/2023	1.25	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS-4	6/2/2023	1.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	566
CS-5	6/2/2023	1.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	225
CS-6	6/2/2023	1.0	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	295
CS-7	6/2/2023	1.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	444
CS-8	6/2/2023	1.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	329
CS-9	6/2/2023	1.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	**887**
	6/8/2023	1.25	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	528
CS-10	6/2/2023	1.0	<49.9	**102**	<49.9	**102**	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	588
	6/8/2023	1.25	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-11	6/2/2023	1.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	320
CS-12	6/2/2023	1.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**838**
	6/8/2023	1.25	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-13	6/2/2023	1.0	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	511
CS-14	6/2/2023	1.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	317
CS-15	6/2/2023	1.0	<49.9	58.2	<49.9	58.2	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	308
CS-16	6/2/2023	1.0	<49.8	**105**	<49.8	**105**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	330
	6/8/2023	1.25	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**652**
	6/9/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	23.9
CS-17	6/2/2023	1.0	<50.0	**441**	<50.0	**441**	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	361
	6/8/2023	1.25	<10.0	82.7	63.5	**156**	<0.050	<0.050	<0.050	<0.150	<0.300	432
	6/9/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	31.8
CS-18	6/2/2023	1.0	<50.0	**319**	<50.0	**319**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	537
	6/8/2023	1.25	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	464
CS-19	6/2/2023	1.0	<49.9	**275**	<49.9	**275**	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	484
	6/8/2023	1.25	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	448
CS-20	6/2/2023	1.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	187
CS-21	6/2/2023	1.0	<50.0	52.1	<50.0	52.1	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	191
CS-22	6/2/2023	1.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	196
CS-23	6/2/2023	1.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	228
CS-24	6/2/2023	1.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	233
CS-25	6/2/2023	1.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	267
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 2
Fasken Oil and Ranch
Denton 5 SWD
Lea 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						
CS-26	6/2/2023	1.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	248
CS-27	6/2/2023	4.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	105
CS-28	6/2/2023	4.5	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	87.3
CS-29	6/2/2023	4.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	3,780
CS-30	6/2/2023	4.5	<49.9	303	66.2	369	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	3,550
CS-31	6/2/2023	4.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	849
CS-32	6/2/2023	4.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	290
CS-33	6/2/2023	4.5	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	241
CS-34	6/2/2023	4.5	<49.9	62.0	<49.9	62.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	1,760
CS-35	6/2/2023	4.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	507
CS-36	6/2/2023	4.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	461
CS-37	6/2/2023	4.5	<49.8	284	85.4	369	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	538
CS-38	6/2/2023	4.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	242
CS-39	6/2/2023	4.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	142
CS-40	6/2/2023	4.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	653
CS-41	6/2/2023	4.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,000
CS-42	6/2/2023	4.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	217
CS-43	6/2/2023	4.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	79.4
CS-44	6/2/2023	4.5	<49.8	375	<49.8	375	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	631
CS-45	6/2/2023	4.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	245
CS-46	6/2/2023	4.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	215
CS-47	6/2/2023	4.5	<49.9	63.0	<49.9	63.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,100
CS-48	6/2/2023	4.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	231
CS-49	6/2/2023	4.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	67.8
CS-50	6/2/2023	4.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	67.0
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 2
Fasken Oil and Ranch
Denton 5 SWD
Lea 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						
CS-51	6/2/2023	4.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	165
CS-52	6/2/2023	4.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	1,180
CS-53	6/7/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	528
CS-54	6/7/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
CS-55	6/7/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
CS-56	6/7/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,310
CS-57	6/7/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	448
CS-58	6/7/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-59	6/7/2023	4.5	<10.0	138	75.3	213	<0.050	<0.050	<0.050	<0.150	<0.300	944
CS-60	6/7/2023	4.5	<10.0	18.2	<10.0	18.2	<0.050	<0.050	<0.050	<0.150	<0.300	320
CS-61	6/7/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	480
CS-62	6/7/2023	4.5	<10.0	46.7	56.9	104	<0.050	<0.050	<0.050	<0.150	<0.300	1,280
CS-63	6/7/2023	4.5	<10.0	47.3	114	161	<0.050	<0.050	<0.050	<0.150	<0.300	208
CS-64	6/7/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,060
CS-65	6/7/2023	4.5	<10.0	38.5	38.7	77.3	<0.050	<0.050	<0.050	<0.150	<0.300	656
CS-66	6/7/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	800
CS-67	6/7/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
CS-68	6/7/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
CS-69	6/7/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	400
CS-70	6/7/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,340
CS-71	6/7/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	656
CS-72	6/7/2023	4.5	<10.0	164	89.1	253	<0.050	<0.050	<0.050	<0.150	<0.300	960
CS-73	6/7/2023	4.5	<10.0	20.6	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	368
CS-74	6/7/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
CS-75	6/7/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	496
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 2
Fasken Oil and Ranch
Denton 5 SWD
Lea 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						
CS-76	6/7/2023	4.5	<10.0	40.9	48.9	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
CS-77	6/7/2023	4.5	<10.0	238	106	344	<0.050	<0.050	<0.050	<0.150	<0.300	864
CS-78	6/7/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,140
CS-79	6/7/2023	4.5	<10.0	87.4	39.6	127	<0.050	<0.050	<0.050	<0.150	<0.300	544
CS-80	6/7/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,460
CS-81	6/7/2023	4.5	<10.0	115	57.4	173	<0.050	<0.050	<0.050	<0.150	<0.300	1,380
CS-82	6/7/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	544
CS-83	6/7/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,090
CS-84	6/7/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,570
CS-85	6/7/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	656
CS-86	6/7/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,070
CS-87	6/7/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
CS-88	6/7/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,420
CS-89	6/7/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,140
CS-90	6/7/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-91	6/7/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-92	6/7/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	864
CS-93	6/7/2023	4.5	<10.0	19.1	<10.0	19.1	<0.050	<0.050	<0.050	<0.150	<0.300	1,010
CS-94	6/7/2023	4.5	<10.0	11.4	<10.0	11.4	<0.050	<0.050	<0.050	<0.150	<0.300	304
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 2
Fasken Oil and Ranch
Denton 5 SWD
Lea 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	6/2/2023	1.0	<49.8	**232**	97.7	**330**	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	440
	6/8/2023	1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-2	6/2/2023	3.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	168
SW-3	6/2/2023	3.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	202
SW-4	6/7/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
SW-5	6/7/2023	1.0	<10.0	63.1	35.4	98.6	<0.050	<0.050	<0.050	<0.150	<0.300	256
SW-6	6/7/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-7	6/7/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	432
SW-8	6/7/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
SW-9	6/7/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416
SW-10	6/7/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
SW-11	6/7/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
SW-12	6/7/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	544
SW-13	6/7/2023	4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
Regulatory Criteria [A]						**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 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
Removed

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Fasken Oil and Ranch

Photograph No. 1

Facility: Denton 5 SWD

County: Lea County, New Mexico

Description:
View of the pad, area of backhoe samples (1-6).

Photograph No. 2

Facility: Denton 5 SWD

County: Lea County, New Mexico

Description:
View of the pad, area of backhoe samples (1-6).

Photograph No. 3

Facility: Denton 5 SWD

County: Lea County, New Mexico

Description:
View of the pad, area of backhoe samples (1-6).

PHOTOGRAPHIC LOG

Fasken Oil and Ranch

Photograph No. 4

Facility: Denton 5 SWD

County: Lea County, New Mexico

Description:
View of the exacavation, area of confirmation samples (1-26) & (44-46).

Photograph No. 5

Facility: Denton 5 SWD

County: Lea County, New Mexico

Description:
View of the exacavation, area of confirmation samples (1-22) & (44-46).

Photograph No. 6

Facility: Denton 5 SWD

County: Lea County, New Mexico

Description:
View of the exacavation, area of confirmation samples (1-26) & (44-46).

PHOTOGRAPHIC LOG

Fasken Oil and Ranch

Photograph No. 7

Facility: Denton 5 SWD

County: Lea County, New Mexico

Description:
View of the exacavation, area of confirmation samples (27-43), (47-63) & (82-94).

Photograph No. 8

Facility: Denton 5 SWD

County: Lea County, New Mexico

Description:
View of the exacavation, area of confirmation samples (27-40), (53-60) & (82-84).

Photograph No. 9

Facility: Denton 5 SWD

County: Lea County, New Mexico

Description:
View of the exacavation, area of confirmation samples (27-43), (47-63) & (82-94).

PHOTOGRAPHIC LOG

Fasken Oil and Ranch

Photograph No. 10

Facility: Denton 5 SWD

County: Lea County, New Mexico

Description:
View of the exacavation, area of confirmation samples (64-81).

Photograph No. 11

Facility: Denton 5 SWD

County: Lea County, New Mexico

Description:
View of the exacavation, area of confirmation samples (27-40), (53-60) & (82-84).

Photograph No. 12

Facility: Denton 5 SWD

County: Lea County, New Mexico

Description:
View of the exacavation, area of confirmation samples (27-43), (47-63) & (82-94).

PHOTOGRAPHIC LOG

Fasken Oil and Ranch

Photograph No. 13

Facility: Denton 5 SWD

County: Lea County, New Mexico

Description:
View Southeast, of the the reclamation area reseeded.

Photograph No. 14

Facility: Denton 5 SWD

County: Lea County, New Mexico

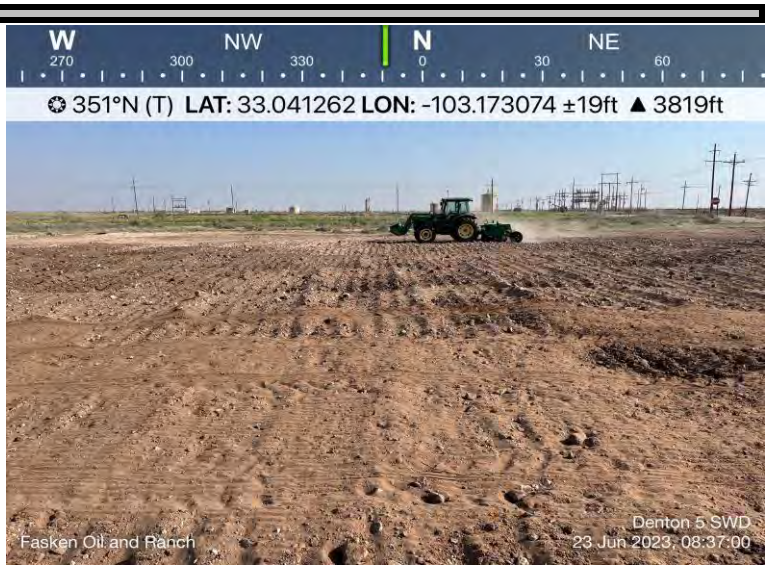
Description:
View Southeast, of the tractor reseeding the reclamation area.

Photograph No. 15

Facility: Denton 5 SWD

County: Lea County, New Mexico

Description:
View North, of the tractor reseeding the reclamation area.



PHOTOGRAPHIC LOG

Fasken Oil and Ranch

Photograph No. 16

Facility: Denton 5 SWD

County: Lea County, New Mexico

Description:
View North of a disturbed area after being reseeded.

Photograph No. 17

Facility: Denton 5 SWD

County: Lea County, New Mexico

Description:
View South of the lease road and the reseeded reclamation area.

Photograph No. 18

Facility: Denton 5 SWD

County: Lea County, New Mexico

Description:
View Northwest, of the reseeded reclamation area.

PHOTOGRAPHIC LOG

Fasken Oil and Ranch

Photograph No. 19

Facility: Denton 5 SWD

County: Lea County, New Mexico

Description:
View of the reclaimed pad with heavy vegetation growth.

Photograph No. 20

Facility: Denton 5 SWD

County: Lea County, New Mexico

Description:
View of the reclaimed pad with heavy vegetation growth.

Photograph No. 21

Facility: Denton 5 SWD

County: Lea County, New Mexico

Description:
View of the reclaimed pad with heavy vegetation growth.

APPENDIX C

CARMONA RESOURCES

OCD Permitting

NSAP0127670627 DENTON SWD #005 @ 30-025-05226

General Incident Information

Site Name:	DENTON SWD #005		
Well:	[30-025-05226] DENTON SWD #005		
Facility:			
Operator:	[151416] FASKEN OIL & RANCH LTD		
Status:	Closure Not Approved, Pending submission of C-141 from the operator		
Type:	Produced Water Release	**Severity:**	
		Surface Owner:	State
District:	Hobbs	**County:**	Lea (25)
Incident Location:	N-02-15S-37E 660 FSL 1980 FWL		
Lat/Long:	33.0410194,-103.1731262 NAD83		
Directions:			

Notes

Source of Referral:	Industry Rep	**Action / Escalation:**	
Resulted In Fire:	☐	**Resulted In Injury:**	☐
Endangered Public Health:	☐	**Will or Has Reached Watercourse:**	☐
Fresh Water Contamination:	☐	**Property Or Environmental Damage:**	☐

Contact Details

Contact Name:	**Contact Title:**

Event Dates

Date of Discovery:	10/03/2001	**Initial C-141 Report Due:**	10/18/2001
		Remediation Closure Report Due:	11/13/2018

Incident Dates

Type	Action	Received	Denied	Approved
Remediation Closure Report Extension		08/15/2018		08/15/2018

Compositional Analysis of Vented and/or Flared Natural Gas

No Compositional Analysis Found

Quicl
- Gene
- Mater
- Event
- Order
- Actior

Asso
- Incide
- Well F

New
- New F
- New I
- New C
- New F
- New S
- New T
- New V

Released to Imaging: 8/29/2025 2:00:32 PM

Incident Events

Date	Detail
10/03/2001	SHUT OFF WATER SOURCE AND VACUUM UP FLUID. HAS BEEN IN SERVICE FOR A FEW YEARS AND ARE CURRENTLY DIGGING UP LINE & WILL REPLACE WHATS NEEDED. WILL DIG BACK 40' ON BOTH SIDES OF RUPTURE.

Incident Severity

Major release as defined by 19.15.29.7(A) NMAC?

☐ Yes ☑ No

Incident Corrective Actions

No initial response data was found for this incident.

No site characterization data was found for this incident.

No remediation plan data was found for this incident.

No active remediation deferral request was found for this incident.

No remediation closure report data was found for this incident.

No reclamation report data was found for this incident.

No re-vegetation report data was found for this incident.

Orders

No Orders Found

New Mexico Energy, Minerals and Natural Resources Department | Copyright 2012
1220 South St. Francis Drive | Santa Fe, NM 87505 | P: (505) 476-3200 | F: (505) 476-3220

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

X Initial Report ☐ Final Report

Name of Company Americo Energy	Contact Oscar Nosrati
Address 10940 Old Katy Road, Houston, TX 77043	Telephone No. 713-984-9700
Facility Name Denton SWD #5 Release	Facility Type SWD

Surface Owner State	Mineral Owner State	Lease No.

LOCATION OF RELEASE

API# 30025 05226 0000

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
N	2	15S	37E					Lea

41'

Latitude_____ Longitude_____

NATURE OF RELEASE

Type of Release: Produced Fluids	Volume of Release: 125 bbls	Volume Recovered: 80 bbls
Source of Release: Overflow from transfer pump failure	Date and Hour of Occurrence 5/23/06	Date and Hour of Discovery 5/23/06
Was Immediate Notice Given? X Yes ☐ No ☐ Not Required	If YES, To Whom? Pat Caperton	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes X No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Tank overflow due to transfer pump failure

Describe Area Affected and Cleanup Action Taken.*
A vacuum truck was called in to recover standing fluid. SESI was called to assess cleanup.

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: Bob Allen	Approved by District Supervisor:	
Title: Consultant	Approval Date:	Expiration Date:
E-mail Address: ballen@sesi-nm.com	Conditions of Approval:	Attached ☐
Date 5/23/06 Phone: 505-397-0510		

* Attach Additional Sheets If Necessary

incident - nPAC0614540738
C-141 - nPAC0614540876

OCD Permitting

NPAC0730337383 2007 MINOR A OS @ 30-025-05226

General Incident Information

Site Name:
Well: [30-025-05226] DENTON SWD #005
Facility:
Operator: [151416] FASKEN OIL & RANCH LTD
Status: Closure Not Approved
Severity: Minor
Type: Oil Release
Surface Owner: State
District: Hobbs
County: Lea (25)

Incident Location: N-02-15S-37E 660 FSL 1980 FWL
Lat/Long: 33.0410194,-103.1731262 NAD83
Directions:

Notes

Source of Referral: Industry Rep
Action / Escalation:

Resulted In Fire: ☐
Will or Has Reached Watercourse: ☐
Endangered Public Health: ☐
Property Or Environmental Damage: ☐
Fresh Water Contamination: ☐

Contact Details

Contact Name:
Contact Title:

Event Dates

Date of Discovery: 10/22/2007
OCD Notified of Release:
Extension Date: 11/15/2018
Initial C-141 Received:
Cancelled Date:
Characterization Report Received:
Characterization Report Approved:
Remediation Plan Received:
Remediation Plan Approved:
Remediation Due:
Closure Report Received:
Closure Report Approved:

Compositional Analysis of Vented and/or Flared Natural Gas

No Compositional Analysis Found

Incidents Materials

Cause	Source	Material	Volume Unk.	Volume Released	Volume Recovered	Volume Lost	Units
Other	Tank (Any)	Crude Oil	☐	20	15	5	BBL

Incident Events

Date	Detail
10/30/2007	C-141: slug into disposal system caused skimmed oil tank to run over.

Quick Links
- General Incident Informati
- Materials
- Events
- Orders

Associated Images
- Incident Files (0)
- Well Files (91)

New Searches
- New Facility Search
- New Incident Search
- New Operator Search
- New Pit Search
- New Spill Search
- New Tank Search
- New Well Search

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District IV
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JUN 08 2009
HOBBSOCD

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

[X] Initial Report [X] ~~Final Report~~

Name of Company Fasken Oil and Ranch, Ltd.	Contact Jimmy D. Carlile
Address 303 W. Wall, Ste. 1800, Midland, TX	Telephone No. 432-687-1777
Facility Name Denton SWD No. 5	Facility Type SWD Battery

Surface Owner State of New Mexico	Mineral Owner Fee	Lease No. 303195

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
N	2	15S	37E	660'	South	1980'	West	Lea

API No. 30-025-05226 **Latitude**_____ **Longitude**_____

NATURE OF RELEASE

Type of Release Oil	Volume of Release 50	Volume Recovered 0
Source of Release Gun Barrel	Date and Hour of Occurrence	Date and Hour of Discovery
Was Immediate Notice Given? [X] Yes [ ] No [ ] Not Required	If YES, To Whom? 5/31/09 8pm Mark - on call representative at OCD	5/31/09 8 pm
By Whom? Jimmy D. Carlile	Date and Hour 5/31/09 9:00 pm MST	
Was a Watercourse Reached? [ ] Yes [X] No	If YES, Volume Impacting the Watercourse. —	

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*
Lightening hit gun barrel blowing roof off and causing a fire. Local fire department was called and responded. Gun barrel taken out of service. 50 barrels of crude burned in the vessel.

Describe Area Affected and Cleanup Action Taken.*
No surface area affected. Rain water and water used by fire department removed via vacuum truck.

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: Jimmy D Carlile	OIL CONSERVATION DIVISION
Printed Name: Jimmy D. Carlile	DENIED ENV ENGR ~~Approved by District Supervisor:~~ Geoffrey Leking
Title: Regulatory Affairs Coordinator	Approval Date: — Expiration Date: —
E-mail Address: jimmyc@forl.com	Conditions of Approval: DELINEATE AND SUBMIT WORKPLAN FOR APPROVAL BY NMOCD. Attached [ ] IRP-09-6-2197
Date: 6-4-09 Phone: 432-687-1777	

* Attach Additional Sheets If Necessary

fGRL0916227018

DENIED DENIED 06/08/09
Geoffrey Leking
NMOCD-HOBBS

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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

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:_____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☐ Laboratory analyses of final sampling (Note: appropriate 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: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

From: Buchanan, Michael, EMNRD
Sent: Wednesday, May 31, 2023 4:54 PM
To: Enviro, OCD, EMNRD; Conner Moehring
Cc: Mike Carmona; Addison Guelker; GrantH@forl.com; Velez, Nelson, EMNRD
Subject: RE: [EXTERNAL] Fasken - Denton 5 SWD - Sampling Notification

Good afternoon, Mr. Moehring

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Mike Buchanan

From: Buchanan, Michael, EMNRD **On Behalf Of** Enviro, OCD, EMNRD
Sent: Wednesday, May 31, 2023 3:54 PM
To: 'Conner Moehring' <Cmoehring@carmonaresources.com>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Mike Carmona <Mcarmona@carmonaresources.com>; Addison Guelker <addisong@forl.com>; GrantH@forl.com; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Fasken - Denton 5 SWD - Sampling Notification

Good afternoon, Mr. Moehring

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Mike Buchanan

From: Conner Moehring <Cmoehring@carmonaresources.com>
Sent: Tuesday, May 30, 2023 7:19 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Mike Carmona <Mcarmona@carmonaresources.com>; Addison Guelker <addisong@forl.com>; GrantH@forl.com
Subject: [EXTERNAL] Fasken - Denton 5 SWD - Sampling Notification

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

Good Morning,

On behalf of Fasken, Carmona Resources will collect confirmation samples for the below site on 06/01/23. Sampling is scheduled to begin as early as 10:00 a.m. (MST) Thursday, June 1st, weather and soil conditions permitting. Please let me know if you have any questions.

Fasken – Denton 5 SWD
NPAC0614540738
NPAC0730337383
Sec 02 T15S R37E Unit N
33.041141, -103.173094
Lea County, New Mexico

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

From: SLO Spills
Sent: Tuesday, May 30, 2023 8:23 AM
To: Conner Moehring; Griffin, Becky R.
Cc: Mike Carmona; GrantH@forl.com; Addison Guelker
Subject: RE: Fasken - Denton 5 SWD - Sampling Notification

Thank you for the notification.

Environmental Compliance Office
Surface Resources Division
New Mexico State Land Office
nmstatelands.org

From: Conner Moehring <Cmoehring@carmonaresources.com>
Sent: Tuesday, May 30, 2023 7:19 AM
To: SLO Spills <spills@slo.state.nm.us>
Cc: Mike Carmona <Mcarmona@carmonaresources.com>; GrantH@forl.com; Addison Guelker <addisong@forl.com>
Subject: [EXTERNAL] Fasken - Denton 5 SWD - Sampling Notification

Good Morning,

On behalf of Fasken, Carmona Resources will collect confirmation samples for the below site on 06/01/23. Sampling is scheduled to begin as early as 10:00 a.m. (MST) Thursday, June 1st, weather and soil conditions permitting. Please let me know if you have any questions.

Fasken – Denton 5 SWD
NPAC0614540738
NPAC0730337383
Sec 02 T15S R37E Unit N
33.041141, -103.173094
Lea County, New Mexico

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

Cmoehring@carmonaresources.com

From: Enviro, OCD, EMNRD
Sent: Tuesday, June 6, 2023 10:17 AM
To: Conner Moehring
Cc: Bratcher, Michael, EMNRD
Subject: RE: [EXTERNAL] Fasken - Denton 5 SWD - 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 ensure 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**

From: Conner Moehring <Cmoehring@carmonaresources.com>
Sent: Monday, June 5, 2023 8:59 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Mike Carmona <Mcarmona@carmonaresources.com>; GrantH@forl.com; Addison Guelker <addisong@forl.com>
Subject: [EXTERNAL] Fasken - Denton 5 SWD - Sampling Notification

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

Good Morning,

On behalf of Fasken, Carmona Resources will continue to collect confirmation samples for the below site on 06/07/23. Sampling is scheduled to begin as early as 10:00 a.m. (MST) Wednesday, June 7th, weather and soil conditions permitting. Please let me know if you have any questions.

Fasken – Denton 5 SWD
NPAC0614540738
NPAC0730337383
Sec 02 T15S R37E Unit N

33.041141, -103.173094
Lea County, New Mexico

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

From: SLO Spills
Sent: Monday, June 5, 2023 10:29 AM
To: Conner Moehring
Subject: RE: Fasken - Denton 5 SWD - Sampling Notification

Received.

Environmental Compliance Office
Surface Resources Division
New Mexico State Land Office
nmstatelands.org

From: Conner Moehring <Cmoehring@carmonaresources.com>
Sent: Monday, June 5, 2023 8:59 AM
To: SLO Spills <spills@slo.state.nm.us>
Cc: Mike Carmona <Mcarmona@carmonaresources.com>; GrantH@forl.com; Addison Guelker <addisong@forl.com>
Subject: [EXTERNAL] Fasken - Denton 5 SWD - Sampling Notification

Good Morning,

On behalf of Fasken, Carmona Resources will continue to collect confirmation samples for the below site on 06/07/23. Sampling is scheduled to begin as early as 10:00 a.m. (MST) Wednesday, June 7th, weather and soil conditions permitting. Please let me know if you have any questions.

Fasken – Denton 5 SWD
NPAC0614540738
NPAC0730337383
Sec 02 T15S R37E Unit N
33.041141, -103.173094
Lea County, New Mexico

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

CARMONA RESOURCES

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 192815

CONDITIONS

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 192815
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bhall	Confirmation samples must be representatvie of no more than 400 square feet.	3/7/2023
bhall	Submit a complete report though the OCD Permitting website by 6/9/2023.	3/7/2023

From: Addison Guelker
Sent: Friday, May 12, 2023 11:17 AM
To: Mike Carmona; Conner Moehring
Cc: Grant Huckabay
Subject: FW: [EXTERNAL] RE: The Oil Conservation Division (OCD) has approved the application, Application ID: 192824

Mike,

OCD gave us a 90 day extension just FYI on the Denton 5 SWD.

Thanks,

Addison Guelker
Environmental Analyst
Bus: 432-687-1777

From: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>
Sent: Thursday, May 11, 2023 11:27 AM
To: Addison Guelker <addisong@forl.com>
Cc: Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: RE: [EXTERNAL] RE: The Oil Conservation Division (OCD) has approved the application, Application ID: 192824

FASKEN SECURITY ALERT
Warning: Sender @Brittany.Hall@emnrd.nm.gov has never sent any emails to your organization. Please be careful before replying or clicking on the URLs.
powered by Graphus®

Addison,

The extension requests for NPAC0614540738, NPAC0730337383, nGL0916227517 are approved. The new date for the 3 releases is 9/9/2023.

Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Brittany Hall ● Environmental Specialist

Environmental Bureau Projects Group

EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87110

505.517.5333 | Brittany.Hall@emnrd.nm.gov

http://www.emnrd.nm.gov/ocd/

From: Addison Guelker <addisong@forl.com>
Sent: Wednesday, May 10, 2023 9:23 AM
To: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>
Cc: Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: [EXTERNAL] RE: The Oil Conservation Division (OCD) has approved the application, Application ID: 192824

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

Good morning Brittany,

We had an approved workplan for 3 different open spills for the same location, Denton #5 SWD (Attached). Incident numbers are NPAC0614540738, NPAC0730337383, nGL0916227517. Our 90 days to do the work expires 6/9/23. The State Land Office owns the surface of this location, and they wanted to approve our workplan for the remediation, and the reclamation of the site. It took longer than we had intended to get their blessing, and then to get multiple bids from contractors and line out when they could start took some time as well. If all goes according to plan, we should commence operations 5/22/23, but we will not be able to complete the work by the deadline; therefore, we would like to request a 90 day extension to get the remediation and reclamation completed.

Thanks,

Addison Guelker

Environmental Analyst

Bus: 432-687-1777

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Tuesday, March 7, 2023 9:07 AM
To: Addison Guelker <addisong@forl.com>
Subject: The Oil Conservation Division (OCD) has approved the application, Application ID: 192824

To whom it may concern (c/o Addison Long for FASKEN OIL & RANCH LTD),

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nGRL0916227517,
with the following conditions:

- **Confirmation samples must be representatvie of no more than 400 square feet.**
- **Submit a complete report though the OCD Permitting website by 6/9/2023.**

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,
Brittany Hall
Projects Environmental Specialist - A
505-517-5333
Brittany.Hall@emnrd.nm.gov

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

APPENDIX D

CARMONA RESOURCES

Received by OCD: 7/23/2025 5:18:16 PM

Nearest Water Well

Fasken Oil and Ranch

84' - Drilled 1997
42.09' - Drilled 1966
37' - Drilled 1957
47' - Drilled 1974
Denton SWD #005
73' - Drilled 2020
70' - Drilled 2020
70' - Drilled 2020
70' - Drilled 2020
32' - Drilled 1951
33' - Drilled 1952

Legend
- 0.16 Miles
- 0.16 Miles
- 0.21 Miles
- 0.22 Miles
- 0.23 Miles
- 0.25 Miles
- 0.30 Miles
- 0.30 Miles
- 0.31 Miles
- 0.32 Miles
- 0.50 Mile Radius
- Area of Concern
- Denton SWD #005
- NMSEO Water Well
- USGS Water Well

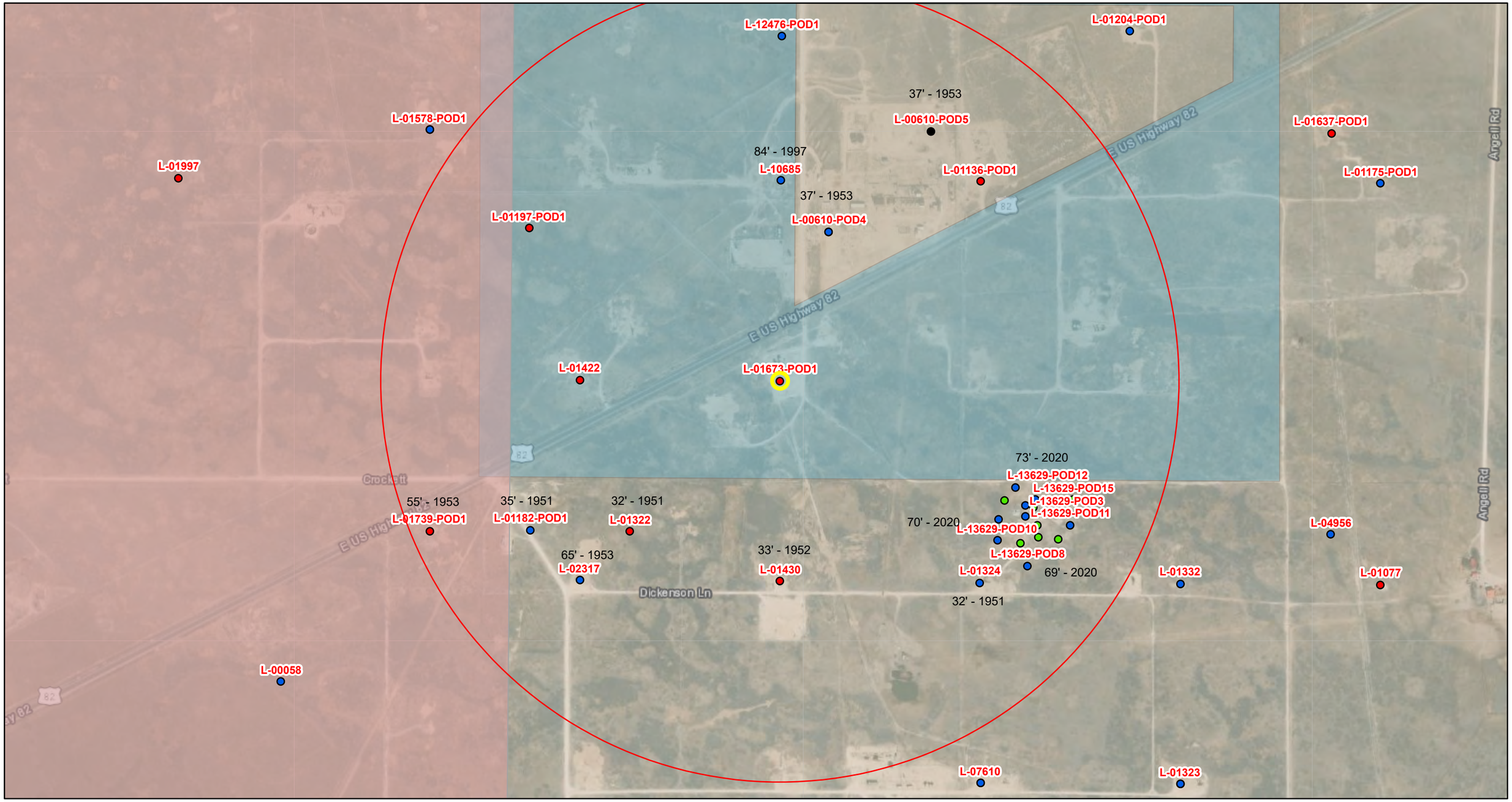
Google Earth

2000 ft

N

Released to Imaging: 8/27/2025 2:00:32 PM

OSE POD Locations Map



4/4/2023, 3:13:35 PM

GIS WATERS PODs
- Active
- Pending
- Inactive
- Plugged

OSE District Boundary

Water Right Regulations
- Critical Management Area - Guidelines
- Closure Area

New Mexico State Trust Lands
- Subsurface Estate
- Both Estates
- SiteBoundaries

1:9,028

0 0.07 0.15 0.3 mi

0 0.15 0.3 0.6 km

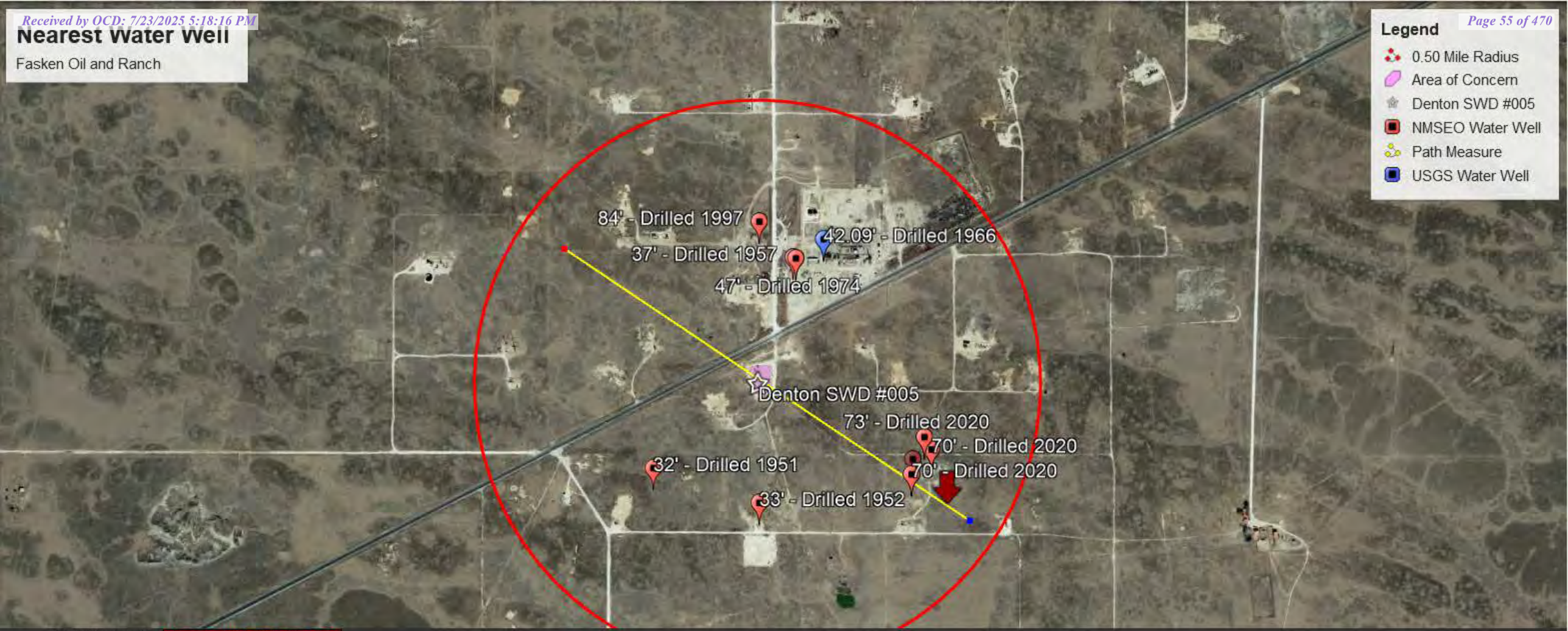
Esri, HERE, iPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, Garmin, iPC, Maxar

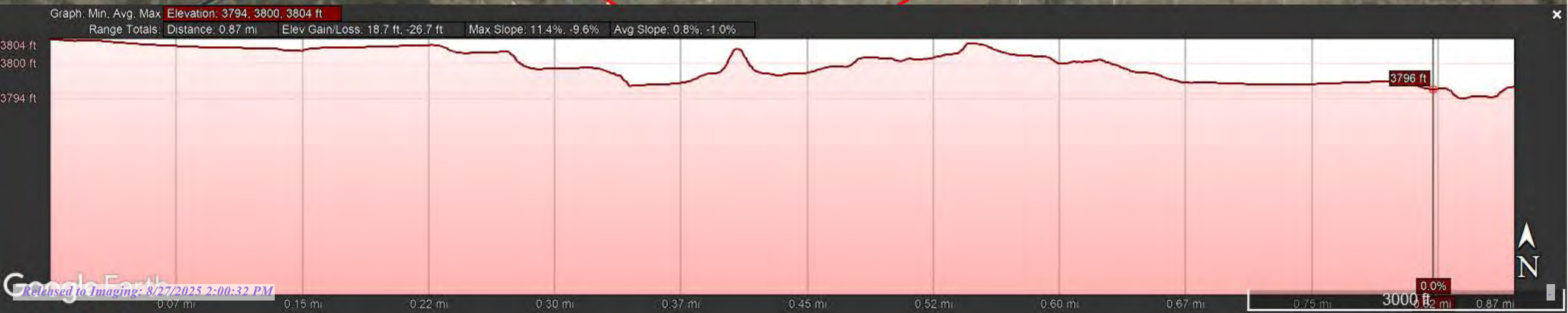
Web Generated Map
Map is generated by web users.

Received by OCD: 7/23/2025 5:18:16 PM

Nearest Water Well

Fasken Oil and Ranch





Released to Imaging: 8/27/2025 2:00:32 PM

Nearest Water Well

Fasken Oil and Ranch

Received by OCD: 7/23/2025 5:18:16 PM

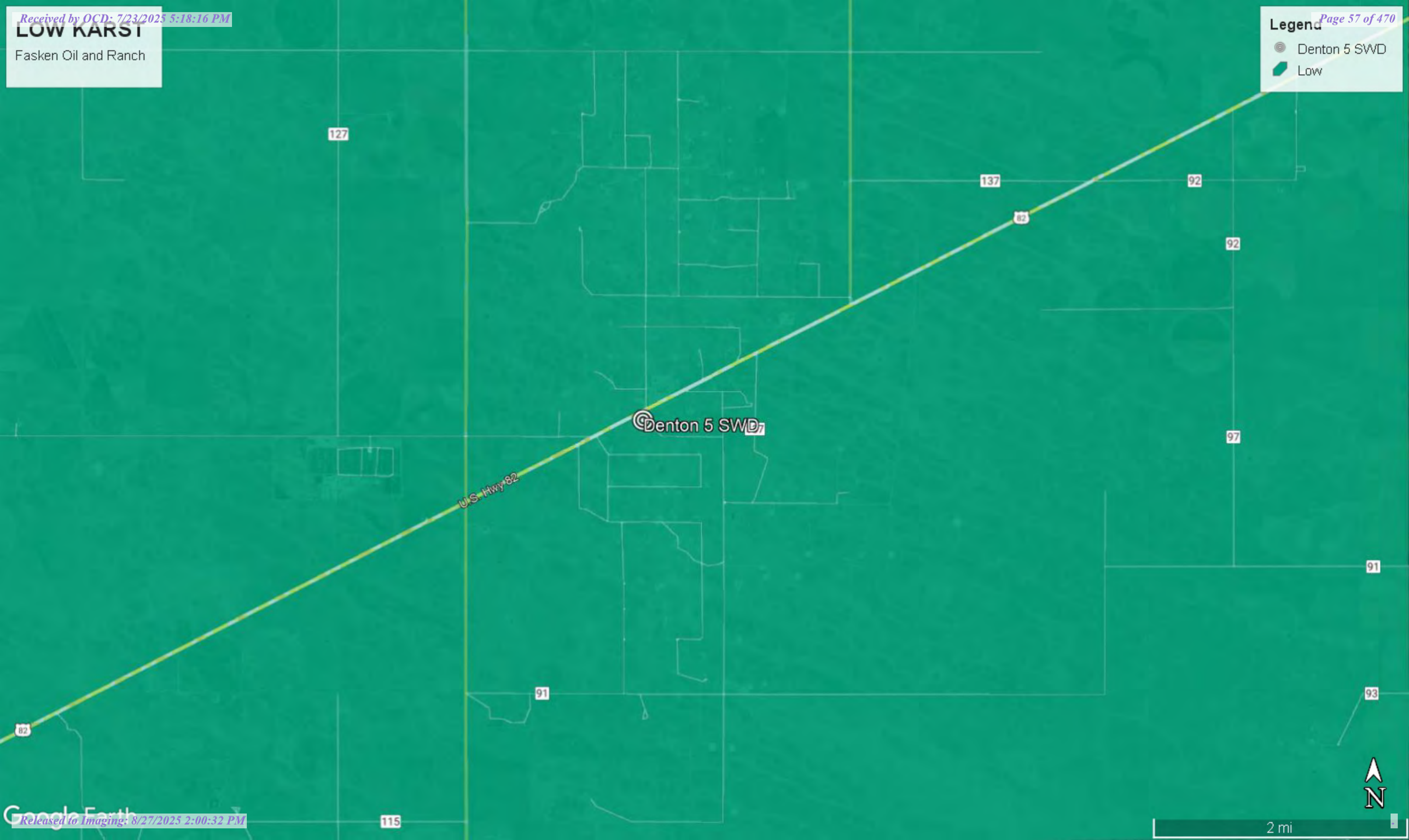
LOW KARST

Fasken Oil and Ranch

Legend

Denton 5 SWD

Low



Released to Imaging: 8/27/2025 2:00:32 PM

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	L 00610 POD4	4	2	3	02	15S	37E	670687	3657616*

Driller License:	79	**Driller Company:**	ALDREDGE, D.O.		
Driller Name:	ALDREDGE, C.O.				
Drill Start Date:	05/13/1953	**Drill Finish Date:**	05/21/1953	**Plug Date:**	
Log File Date:	06/05/1957	**PCW Rcv Date:**	07/23/1958	**Source:**	Shallow
Pump Type:	TURBIN	**Pipe Discharge Size:**	8	**Estimated Yield:**	1000 GPM
Casing Size:	13.38	**Depth Well:**	120 feet	**Depth Water:**	37 feet

Water Bearing Stratifications:	Top	Bottom	Description
	37	65	Shallow Alluvium/Basin Fill
	65	105	Shallow Alluvium/Basin Fill
	105	120	Shallow Alluvium/Basin Fill

***UTM location was derived from PLSS - see Help**

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 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	Tws	Rng	X	Y
	L 07198	4	2	3	02	15S	37E	670687	3657616*

Driller License:	571	**Driller Company:**	"GLASSPOOLE, GEORGE ""BILL"" W.E "		
Driller Name:	GEORGE W GLASSPOOLE				
Drill Start Date:	04/22/1974	**Drill Finish Date:**	05/05/1974	**Plug Date:**	
Log File Date:	05/21/1974	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	6.00	**Depth Well:**	125 feet	**Depth Water:**	47 feet

***UTM location was derived from PLSS - see Help**

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Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 330226103101901

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 330226103101901 15S.37E.02.324214

Lea County, New Mexico
Latitude 33°02'39", Longitude 103°10'16" NAD27
Land-surface elevation 3,799.10 feet above NGVD29
The depth of the well is 120 feet below land surface.
This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) 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 measur
1961-03-03		D	62610		3762.77	NGVD29	1	Z		
1961-03-03		D	62611		3764.08	NAVD88	1	Z		
1961-03-03		D	72019	36.33			1	Z		
1966-02-18		D	62610		3757.01	NGVD29	1	Z		
1966-02-18		D	62611		3758.32	NAVD88	1	Z		
1966-02-18		D	72019	42.09			1	Z		

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

Section	Code	Description
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	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

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?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2023-04-10 21:06:12 EDT
0.28 0.25 nadww02

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	Twn	Rng	X	Y
	L 10685		2	3	02	15S	37E	670588	3657717*

Driller License:	854	**Driller Company:**	GARY KIDD		
Driller Name:	KIDD, GARY (LD)				
Drill Start Date:	06/20/1997	**Drill Finish Date:**	06/23/1997	**Plug Date:**	
Log File Date:	07/23/1997	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	16 GPM
Casing Size:	5.00	**Depth Well:**	150 feet	**Depth Water:**	84 feet

Water Bearing Stratifications:	Top	Bottom	Description
	84	150	Other/Unknown

Casing Perforations:	Top	Bottom
	110	150

***UTM location was derived from PLSS - see Help**

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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	Tws	Rng	X	Y
	L 01430		2	1	11	15S	37E	670601	3656913*

Driller License:	35	**Driller Company:**	AQUA DRILLING CO.		
Driller Name:					
Drill Start Date:	04/14/1952	**Drill Finish Date:**	04/14/1952	**Plug Date:**	12/01/1952
Log File Date:	04/28/1952	**PCW Rcv Date:**	11/02/1953	**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	7.00	**Depth Well:**	120 feet	**Depth Water:**	33 feet

Water Bearing Stratifications:	Top	Bottom	Description
	33	34	Sandstone/Gravel/Conglomerate
	63	65	Sandstone/Gravel/Conglomerate
	87	90	Sandstone/Gravel/Conglomerate
	110	120	Sandstone/Gravel/Conglomerate

***UTM location was derived from PLSS - see Help**

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New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	L 01322	2	1	1	11	15S	37E	670296	3657007*

Driller License:	35	**Driller Company:**	AQUA DRILLING CO.		
Driller Name:	TATUM, ROY L.				
Drill Start Date:	12/19/1951	**Drill Finish Date:**	12/20/1951	**Plug Date:**	11/10/1952
Log File Date:	01/28/1952	**PCW Rcv Date:**	04/20/1953	**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	7.00	**Depth Well:**	120 feet	**Depth Water:**	32 feet

Water Bearing Stratifications:	Top	Bottom	Description
	32	33	Sandstone/Gravel/Conglomerate
	65	67	Sandstone/Gravel/Conglomerate
	88	90	Sandstone/Gravel/Conglomerate
	110	120	Sandstone/Gravel/Conglomerate

***UTM location was derived from PLSS - see Help**

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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	Tws	Rng	X	Y
NA	L 13692 POD9	2	1	2	11	15S	37E	671040	3657045

Driller License:	1456	**Driller Company:**	WHITE DRILLING COMPANY		
Driller Name:	WHITE, JOHNNOWN.GENER				
Drill Start Date:	04/14/2020	**Drill Finish Date:**	04/15/2020	**Plug Date:**	
Log File Date:	05/21/2020	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	2.00	**Depth Well:**	90 feet	**Depth Water:**	70 feet

Water Bearing Stratifications:	Top	Bottom	Description
	25	90	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	60	90

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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	Tws	Rng	X	Y
NA	L 13629 POD7	2	1	2	11	15S	37E	671073	3657109

Driller License:	1456	**Driller Company:**	WHITE DRILLING COMPANY		
Driller Name:	WHITE, JOHNNOWN.GENER				
Drill Start Date:	04/14/2020	**Drill Finish Date:**	04/15/2020	**Plug Date:**	
Log File Date:	05/21/2020	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	2.00	**Depth Well:**	90 feet	**Depth Water:**	73 feet

Water Bearing Stratifications:	Top	Bottom	Description
	35	90	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	60	90

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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	Tws	Rng	X	Y
NA	L 13629 POD10	2	1	2	11	15S	37E	671037	3657002

Driller License: 1456 **Driller Company:** WHITE DRILLING COMPANY

Driller Name: WHITE, JOHNNOWN.GENER

Drill Start Date: 04/13/2020 **Drill Finish Date:** 04/15/2020 **Plug Date:**

Log File Date: 05/21/2020 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: 2.00 **Depth Well:** 90 feet **Depth Water:** 70 feet

Water Bearing Stratifications:	Top	Bottom	Description
	44	90	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	60	90

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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	Tws	Rng	X	Y
NA	L 13629 POD13	2	1	2	11	15S	37E	671093	3657074

Driller License:	1456	**Driller Company:**	WHITE DRILLING COMPANY		
Driller Name:	WHITE, JOHNNOWN.GENER				
Drill Start Date:	03/10/2020	**Drill Finish Date:**	04/16/2020	**Plug Date:**	
Log File Date:	04/28/2020	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	4.00	**Depth Well:**	90 feet	**Depth Water:**	70 feet

Casing Perforations:	Top	Bottom
	60	90

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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-basin	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 01673 POD1		L	LE		4	3	02	15S	37E	670594	3657315*	3	120		
L 00610 POD4		L	LE	4	2	3	02	15S	37E	670687	3657616*	314	120	37	83
L 07198		L	LE	4	2	3	02	15S	37E	670687	3657616*	314	125	47	78
L 10685		L	LE		2	3	02	15S	37E	670588	3657717*	400	150	84	66
L 01422		L	LE		3	3	02	15S	37E	670190	3657310*	401	100		
L 01430		L	LE		2	1	11	15S	37E	670601	3656913*	404	120	33	87
L 01322		L	LE	2	1	1	11	15S	37E	670296	3657007*	427	120	32	88
L 13629 POD7		L	LE	2	1	2	11	15S	37E	671073	3657109	524	90	73	17
L 13692 POD9		L	LE	2	1	2	11	15S	37E	671040	3657045	524	90	70	20
L 13629 POD10		L	LE	2	1	2	11	15S	37E	671037	3657002	545	90	70	20
L 13629 POD13		L	LE	2	1	2	11	15S	37E	671093	3657074	557	90	70	20
L 02317		L	LE		1	1	11	15S	37E	670197	3656908*	567	110	65	45
L 13629 POD16		L	LE	2	1	2	11	15S	37E	671094	3657050	568	90	70	20
L 01136 POD1		L	LE		1	4	02	15S	37E	670991	3657722*	569	118		
L 13629 POD14		L	LE	2	1	2	11	15S	37E	671112	3657085	570	90	70	20
L 01324		L	LE		1	2	11	15S	37E	671004	3656917*	574	120	32	88
L 01182 POD1		L	LE	1	1	1	11	15S	37E	670096	3657007*	584	110	35	75
L 13629 POD12		L	LE	2	1	2	11	15S	37E	671138	3657111	584	90	72	18
L 00610 POD5	R	L	LE	1	1	4	02	15S	37E	670890	3657821*	586	120	37	83
L 01197 POD1		L	LE	3	1	3	02	15S	37E	670083	3657612*	587	112		
L 13629 POD8		L	LE	2	1	2	11	15S	37E	671100	3656952	625	90	69	21
L 13629 POD11		L	LE	2	1	2	11	15S	37E	671184	3657035	656	90	71	19
L 01739 POD1		L	LE	2	2	2	10	15S	37E	669893	3657001*	766	110	55	55
L 01095		L	LE		4	1	02	15S	37E	670581	3658120*	803	120		
L 01578 POD1		L	LE	2	2	4	03	15S	37E	669879	3657806*	863	115	55	60
L 01118 POD1		L	LE		3	1	02	15S	37E	670178	3658115*	898	108		

***UTM location was derived from PLSS - see Help**

(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-basin	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 01283	L	LE		3	2	11	15S	37E	671012	3656515*	905	120	40	80
L 07610	L	LE		3	2	11	15S	37E	671012	3656515*	905	100		
L 01332	L	LE		2	2	11	15S	37E	671408	3656922*	907	115	32	83
L 01204 POD1	L	LE	3	4	2	02	15S	37E	671286	3658028*	994	100	40	60
L 01321	L	LE		4	2	11	15S	37E	671415	3656520*	1146	120	32	88
L 01323	L	LE		4	2	11	15S	37E	671415	3656520*	1146	120	32	88
L 01117 POD1	L	LE	3	4	2	11	15S	37E	671314	3656419*	1152	120	50	70
L 04956	L	LE	1	1	1	12	15S	37E	671710	3657026*	1156	100	43	57
L 00058	L	LE			2	10	15S	37E	669598	3656694*	1172	112		
L 01637 POD1	L	LE	1	1	3	01	15S	37E	671696	3657831*	1218	109	50	59
L 01284	L	LE		1	2	02	15S	37E	670978	3658527*	1270	108	48	60
L 01224 POD1	L	LE		1	1	02	15S	37E	670172	3658517*	1271	115	33	82
L 01997	L	LE		1	4	03	15S	37E	669375	3657701*	1275	120	33	87
L 01175 POD1	L	LE		1	3	01	15S	37E	671797	3657732*	1275	120	33	87
L 01077	L	LE		1	1	12	15S	37E	671811	3656927*	1280	120		
L 02302	L	LE	2	2	4	11	15S	37E	671521	3656216*	1441	80	45	35
L 01285	L	LE		2	2	02	15S	37E	671380	3658531*	1447	112	52	60
L 02268	L	LE		2	4	10	15S	37E	669808	3656097*	1449		55	
L 01293	L	LE		2	2	03	15S	37E	669767	3658511*	1450	113	45	68
L 01297	L	LE		3	1	01	15S	37E	671790	3658134*	1450	115	45	70
L 01491	L	LE		3	1	01	15S	37E	671790	3658134*	1450	117	45	72
L 01560 POD1	L	LE	4	3	3	35	14S	37E	670265	3658812*	1530	120	33	87
L 01942	L	LE		3	3	35	14S	37E	670166	3658913*	1651	110	55	55
L 01092	L	LE		3	4	35	14S	37E	670971	3658925*	1652	75	40	35
L 01573 POD1	L	LE		3	4	35	14S	37E	670971	3658925*	1652	60	30	30
L 01320	L	LE		3	4	11	15S	37E	671026	3655710*	1664	120	32	88
L 01447	L	LE		1	1	01	15S	37E	671783	3658536*	1704	113	45	68
L 01568 POD1	L	LE		1	3	12	15S	37E	671826	3656122*	1718	120	38	82
L 03929	L	LE	1	4	1	01	15S	37E	672092	3658239*	1761	100	55	45

***UTM location was derived from PLSS - see Help**

(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-basin	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 02391	L	LE	3	3	3	11	15S	37E	670118	3655599*	1781	80	37	43
L 01665 POD1	L	LE		4	4	35	14S	37E	671374	3658931*	1793	110	30	80
L 14299 POD1	L	LE	3	3	3	11	15S	37E	670136	3655563	1811	210	84	126
L 14152 POD17	L	LE	2	1	2	14	15S	37E	671132	3655522	1874	89	65	24
L 14152 POD23	L	LE	2	1	2	14	15S	37E	671166	3655528	1878	89	65	24
L 14152 POD20	L	LE	3	4	4	11	15S	37E	671250	3655547	1888	89	65	24
L 14152 POD24	L	LE	2	1	2	14	15S	37E	671225	3655508	1916	89	65	24
L 14152 POD18	L	LE	2	1	2	14	15S	37E	671140	3655466	1930	89	65	24
L 01110 POD1	L	LE	1	1	2	14	15S	37E	670932	3655407*	1940	115		
L 07665	L	LE	4	4	4	11	15S	37E	671529	3655614*	1944	126	40	86
L 14152 POD21	L	LE	1	2	2	14	15S	37E	671288	3655501	1944	89	65	24
L 14152 POD22	L	LE	4	3	4	11	15S	37E	671227	3655455	1967	89	65	24
L 14152 POD16	L	LE	1	2	2	14	15S	37E	671273	3655439	1997	90	65	25
L 14152 POD19	L	LE	2	1	2	14	15S	37E	671188	3655404	2003	90	65	25
L 01683 POD1	L	LE		3	3	36	14S	37E	671776	3658938*	2007	115	55	60
L 01587 POD1	L	LE		2	1	01	15S	37E	672186	3658542*	2011	115	55	60
L 01080	L	LE	1	2	2	14	15S	37E	671336	3655412*	2045	120	32	88
L 13485 POD1	L	LE	3	4	2	10	15S	37E	669192	3655778	2079	180	103	77
L 13564 POD1	L	LE	2	2	1	01	15S	37E	672315	3658559	2125	270	95	175
L 08594	L	LE	3	1	3	03	15S	37E	668466	3657588*	2142	150	90	60
L 08598	L	LE	3	1	3	03	15S	37E	668466	3657588*	2142	150	90	60
L 02222	L	LE		2	4	35	14S	37E	671366	3659334*	2160	130	50	80
L 00956 POD1	L	LE		2	2	15	15S	37E	669823	3655292*	2165	112		
L 01207 POD1	L	LE		2	2	15	15S	37E	669823	3655292*	2165	120	32	88
L 01237	L	LE		2	2	15	15S	37E	669823	3655292*	2165	110	38	72
L 09926	L	LE	1	1	4	12	15S	37E	672433	3656142	2184	150	75	75
L 01199 POD1	L	LE	2	4	1	14	15S	37E	670736	3654999*	2322	121	37	84
L 01045	L	LE	1	3	2	14	15S	37E	670939	3655004*	2339	100	35	65
L 06625	L	LE	3	2	2	12	15S	37E	672920	3656845*	2376	130	80	50

***UTM location was derived from PLSS - see Help**

(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-basin Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 01488	L	LE		4	1	35	14S	37E	670553	3659724*	2407	115	36	79
L 01403	L	LE	2	4	3	36	14S	37E	672278	3659043*	2413	80	60	20

Average Depth to Water: **52 feet**

Minimum Depth: **30 feet**

Maximum Depth: **103 feet**

Record Count: 86

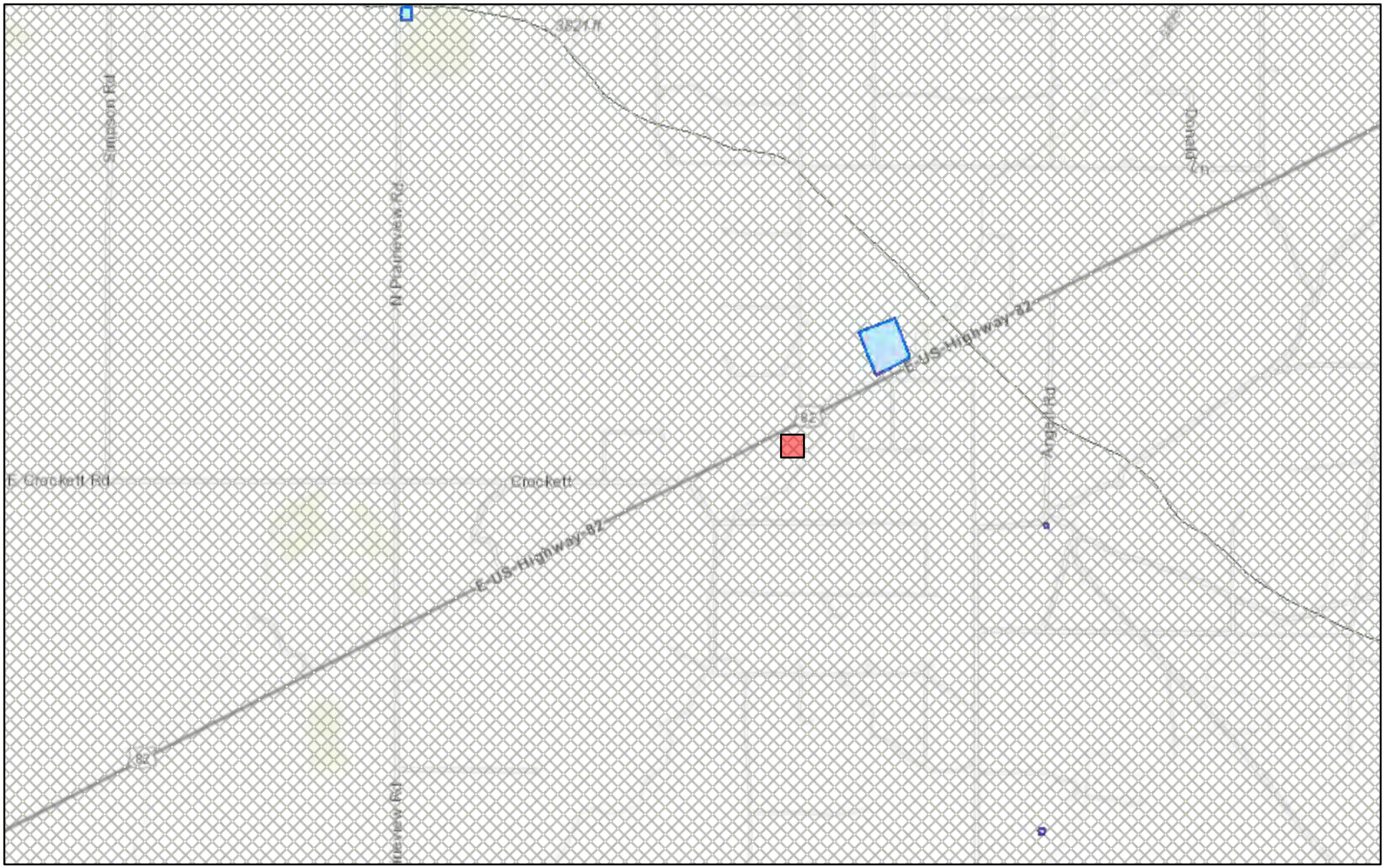
UTMNAD83 Radius Search (in meters):

Easting (X): 670591 **Northing (Y):** 3657317 **Radius:** 2500

***UTM location was derived from PLSS - see Help**

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



April 10, 2023

1:36,112

0 0.25 0.5 1 mi

0 0.4 0.8 1.6 km

FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

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APPENDIX E

CARMONA RESOURCES

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-19825-1
Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Denton #5 SWD

For:
Fasken Oil and Ranch
6101 Holiday HIll Road
Midland, Texas 79707

Attn: Grant Huckabay

JKramer

Authorized for release by:
10/5/2022 10:23:12 AM

Jessica Kramer, Project Manager
(432)704-5440
Jessica.Kramer@et.eurofinsus.com

LINKS
Review your project results through my EOL
Have a Question? Ask The Expert
Visit us at: www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Laboratory Job ID: 880-19825-1
SDG: Lea Co, NM

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Definitions/Glossary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19825-1
SDG: Lea Co, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
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.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19825-1
SDG: Lea Co, NM

Job ID: 880-19825-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-19825-1

Receipt
The samples were received on 9/29/2022 3:53 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 4.4°C

Receipt Exceptions
The following samples analyzed for method <FRACTION_METHOD> were received and analyzed from an unpreserved bulk soil jar: BH1 (880-19825-1), BH2 (880-19825-2), BH3 (880-19825-3), BH4 (880-19825-4), BH5 (880-19825-5) and BH6 (880-19825-6).

GC VOA
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 matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-35805 and analytical batch 880-35863 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (890-3075-A-1-B), (890-3075-A-1-C MS) and (890-3075-A-1-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (880-19834-A-1-C MSD). 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.

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-35802 and analytical batch 880-35924 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19825-1
SDG: Lea Co, NM

Client Sample ID: BH1

Lab Sample ID: 880-19825-1
Matrix: Solid
Date Collected: 09/29/22 08:45
Date Received: 09/29/22 15:53
Sample Depth: 0-6"

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/30/22 14:23	10/05/22 01:46	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/30/22 14:23	10/05/22 01:46	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/30/22 14:23	10/05/22 01:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/30/22 14:23	10/05/22 01:46	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/30/22 14:23	10/05/22 01:46	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/30/22 14:23	10/05/22 01:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*09/30/22 14:23*	*10/05/22 01:46*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*09/30/22 14:23*	*10/05/22 01:46*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/05/22 10:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/03/22 11:24	1

Method: SW846 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		09/30/22 08:47	09/30/22 17:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/22 08:47	09/30/22 17:22	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/22 08:47	09/30/22 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*09/30/22 08:47*	*09/30/22 17:22*	*1*
o-Terphenyl	*102*		*70 - 130*	*09/30/22 08:47*	*09/30/22 17:22*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1570**		24.9		mg/Kg			10/03/22 10:26	5

Client Sample ID: BH2

Lab Sample ID: 880-19825-2
Matrix: Solid
Date Collected: 09/29/22 08:55
Date Received: 09/29/22 15:53
Sample Depth: 0-6"

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/30/22 14:23	10/05/22 02:07	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/30/22 14:23	10/05/22 02:07	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/30/22 14:23	10/05/22 02:07	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/30/22 14:23	10/05/22 02:07	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/30/22 14:23	10/05/22 02:07	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/30/22 14:23	10/05/22 02:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*09/30/22 14:23*	*10/05/22 02:07*	*1*

Client Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19825-1
SDG: Lea Co, NM

Client Sample ID: BH2

Date Collected: 09/29/22 08:55
Date Received: 09/29/22 15:53
Sample Depth: 0-6"

Lab Sample ID: 880-19825-2

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*09/30/22 14:23*	*10/05/22 02:07*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			10/05/22 10:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/03/22 11:24	1

Method: SW846 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		09/30/22 08:47	09/30/22 17:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/30/22 08:47	09/30/22 17:44	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/30/22 08:47	09/30/22 17:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*98*		*70 - 130*	*09/30/22 08:47*	*09/30/22 17:44*	*1*
o-Terphenyl	*92*		*70 - 130*	*09/30/22 08:47*	*09/30/22 17:44*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**450**		5.04		mg/Kg			10/03/22 10:41	1

Client Sample ID: BH3

Date Collected: 09/29/22 09:05
Date Received: 09/29/22 15:53
Sample Depth: 0-6"

Lab Sample ID: 880-19825-3

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/30/22 14:23	10/05/22 02:27	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/30/22 14:23	10/05/22 02:27	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/30/22 14:23	10/05/22 02:27	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/30/22 14:23	10/05/22 02:27	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/30/22 14:23	10/05/22 02:27	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/30/22 14:23	10/05/22 02:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*09/30/22 14:23*	*10/05/22 02:27*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*09/30/22 14:23*	*10/05/22 02:27*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/05/22 10:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/03/22 11:24	1

Client Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19825-1
SDG: Lea Co, NM

Client Sample ID: BH3

Lab Sample ID: 880-19825-3
Matrix: Solid
Date Collected: 09/29/22 09:05
Date Received: 09/29/22 15:53
Sample Depth: 0-6"

Method: SW846 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		09/30/22 08:47	09/30/22 18:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/30/22 08:47	09/30/22 18:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/30/22 08:47	09/30/22 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*09/30/22 08:47*	*09/30/22 18:05*	*1*
o-Terphenyl	*105*		*70 - 130*	*09/30/22 08:47*	*09/30/22 18:05*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4020**		25.2		mg/Kg			10/03/22 10:46	5

Client Sample ID: BH4

Lab Sample ID: 880-19825-4
Matrix: Solid
Date Collected: 09/29/22 09:15
Date Received: 09/29/22 15:53
Sample Depth: 0-6"

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/05/22 02:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/05/22 02:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/05/22 02:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/30/22 14:23	10/05/22 02:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/05/22 02:47	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/30/22 14:23	10/05/22 02:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*09/30/22 14:23*	*10/05/22 02:47*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*09/30/22 14:23*	*10/05/22 02:47*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/05/22 10:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/03/22 11:24	1

Method: SW846 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		09/30/22 08:47	09/30/22 18:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/30/22 08:47	09/30/22 18:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/30/22 08:47	09/30/22 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*09/30/22 08:47*	*09/30/22 18:27*	*1*
o-Terphenyl	*105*		*70 - 130*	*09/30/22 08:47*	*09/30/22 18:27*	*1*

Client Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19825-1
SDG: Lea Co, NM

Client Sample ID: BH4

Lab Sample ID: 880-19825-4
Matrix: Solid
Date Collected: 09/29/22 09:15
Date Received: 09/29/22 15:53
Sample Depth: 0-6"

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2440		25.2		mg/Kg			10/03/22 10:51	5

Client Sample ID: BH5

Lab Sample ID: 880-19825-5
Matrix: Solid
Date Collected: 09/29/22 09:25
Date Received: 09/29/22 15:53
Sample Depth: 0-6"

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/30/22 14:23	10/05/22 03:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/30/22 14:23	10/05/22 03:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/30/22 14:23	10/05/22 03:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/30/22 14:23	10/05/22 03:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/30/22 14:23	10/05/22 03:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/30/22 14:23	10/05/22 03:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*09/30/22 14:23*	*10/05/22 03:08*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*09/30/22 14:23*	*10/05/22 03:08*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/05/22 10:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/03/22 11:24	1

Method: SW846 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		09/30/22 11:17	10/01/22 17:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/30/22 11:17	10/01/22 17:58	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/30/22 11:17	10/01/22 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*09/30/22 11:17*	*10/01/22 17:58*	*1*
o-Terphenyl	*81*		*70 - 130*	*09/30/22 11:17*	*10/01/22 17:58*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1660		25.2		mg/Kg			10/03/22 10:55	5

Client Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19825-1
SDG: Lea Co, NM

Client Sample ID: BH6

Date Collected: 09/29/22 09:35
Date Received: 09/29/22 15:53
Sample Depth: 0-6"

Lab Sample ID: 880-19825-6

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/30/22 14:23	10/05/22 03:28	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/30/22 14:23	10/05/22 03:28	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/30/22 14:23	10/05/22 03:28	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/30/22 14:23	10/05/22 03:28	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/30/22 14:23	10/05/22 03:28	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/30/22 14:23	10/05/22 03:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*09/30/22 14:23*	*10/05/22 03:28*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*09/30/22 14:23*	*10/05/22 03:28*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/05/22 10:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/03/22 11:24	1

Method: SW846 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		09/30/22 11:17	10/01/22 18:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/22 11:17	10/01/22 18:19	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/22 11:17	10/01/22 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*09/30/22 11:17*	*10/01/22 18:19*	*1*
o-Terphenyl	*84*		*70 - 130*	*09/30/22 11:17*	*10/01/22 18:19*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3080**		25.0		mg/Kg			10/03/22 11:00	5

Surrogate Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19825-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-19823-A-1-E MS	Matrix Spike	115	108
880-19823-A-1-F MSD	Matrix Spike Duplicate	112	104
880-19825-1	BH1	115	103
880-19825-2	BH2	111	102
880-19825-3	BH3	114	101
880-19825-4	BH4	117	102
880-19825-5	BH5	114	105
880-19825-6	BH6	118	107
LCS 880-35822/1-A	Lab Control Sample	108	102
LCSD 880-35822/2-A	Lab Control Sample Dup	108	102
MB 880-35822/5-A	Method Blank	103	112

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-19825-1	BH1	102	102
880-19825-2	BH2	98	92
880-19825-3	BH3	108	105
880-19825-4	BH4	107	105
880-19825-5	BH5	90	81
880-19825-6	BH6	92	84
880-19834-A-1-B MS	Matrix Spike	124	80
880-19834-A-1-C MSD	Matrix Spike Duplicate	134 S1+	88
890-3075-A-1-C MS	Matrix Spike	69 S1-	62 S1-
890-3075-A-1-D MSD	Matrix Spike Duplicate	68 S1-	62 S1-
LCS 880-35754/2-A	Lab Control Sample	101	98
LCS 880-35805/2-A	Lab Control Sample	95	91
LCSD 880-35754/3-A	Lab Control Sample Dup	107	101
LCSD 880-35805/3-A	Lab Control Sample Dup	109	103
MB 880-35754/1-A	Method Blank	115	108
MB 880-35805/1-A	Method Blank	109	99

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19825-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-35822/5-A
Matrix: Solid
Analysis Batch: 36069

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 35822

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/04/22 19:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/04/22 19:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/04/22 19:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/30/22 14:23	10/04/22 19:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/04/22 19:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/30/22 14:23	10/04/22 19:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*09/30/22 14:23*	*10/04/22 19:43*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*09/30/22 14:23*	*10/04/22 19:43*	*1*

Lab Sample ID: LCS 880-35822/1-A
Matrix: Solid
Analysis Batch: 36069

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35822

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09822		mg/Kg		98	70 - 130
Toluene	0.100	0.1046		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.1051		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	0.200	0.2088		mg/Kg		104	70 - 130
o-Xylene	0.100	0.1021		mg/Kg		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-35822/2-A
Matrix: Solid
Analysis Batch: 36069

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 35822

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08416		mg/Kg		84	70 - 130	15	35
Toluene	0.100	0.08894		mg/Kg		89	70 - 130	16	35
Ethylbenzene	0.100	0.08921		mg/Kg		89	70 - 130	16	35
m-Xylene & p-Xylene	0.200	0.1794		mg/Kg		90	70 - 130	15	35
o-Xylene	0.100	0.08941		mg/Kg		89	70 - 130	13	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-19823-A-1-E MS
Matrix: Solid
Analysis Batch: 36069

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 35822

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.09243		mg/Kg		93	70 - 130
Toluene	<0.00200	U	0.0998	0.09415		mg/Kg		94	70 - 130

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QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19825-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-19823-A-1-E MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 36069 — **Prep Batch: 35822**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.0998	0.09096		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1819		mg/Kg		91	70 - 130
o-Xylene	<0.00200	U	0.0998	0.08940		mg/Kg		90	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: 880-19823-A-1-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 36069 — **Prep Batch: 35822**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.08515		mg/Kg		86	70 - 130	8	35
Toluene	<0.00200	U	0.0990	0.08949		mg/Kg		90	70 - 130	5	35
Ethylbenzene	<0.00200	U	0.0990	0.08762		mg/Kg		88	70 - 130	4	35
m-Xylene & p-Xylene	<0.00401	U	0.198	0.1764		mg/Kg		89	70 - 130	3	35
o-Xylene	<0.00200	U	0.0990	0.08698		mg/Kg		88	70 - 130	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

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

Lab Sample ID: MB 880-35754/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35736 — **Prep Batch: 35754**

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		09/30/22 08:47	09/30/22 09:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/22 08:47	09/30/22 09:28	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/22 08:47	09/30/22 09:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*09/30/22 08:47*	*09/30/22 09:28*	*1*
o-Terphenyl	*108*		*70 - 130*	*09/30/22 08:47*	*09/30/22 09:28*	*1*

Lab Sample ID: LCS 880-35754/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35736 — **Prep Batch: 35754**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	753.2		mg/Kg		75	70 - 130
Diesel Range Organics (Over C10-C28)	1000	962.9		mg/Kg		96	70 - 130

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19825-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-35754/2-A
Matrix: Solid
Analysis Batch: 35736

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35754

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: LCSD 880-35754/3-A
Matrix: Solid
Analysis Batch: 35736

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 35754

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	781.3		mg/Kg		78	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	998.5		mg/Kg		100	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	101		70 - 130

Lab Sample ID: 880-19834-A-1-B MS
Matrix: Solid
Analysis Batch: 35736

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 35754

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1040		998	1890		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	1690		998	2765		mg/Kg		108	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	124		70 - 130
o-Terphenyl	80		70 - 130

Lab Sample ID: 880-19834-A-1-C MSD
Matrix: Solid
Analysis Batch: 35736

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 35754

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	1040		999	1986		mg/Kg		94	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1690		999	2948		mg/Kg		126	70 - 130	6	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	134	S1+	70 - 130
o-Terphenyl	88		70 - 130

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19825-1
SDG: Lea Co, NM

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

Lab Sample ID: MB 880-35805/1-A
Matrix: Solid
Analysis Batch: 35863

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 35805

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		09/30/22 11:17	10/01/22 11:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/22 11:17	10/01/22 11:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/22 11:17	10/01/22 11:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*09/30/22 11:17*	*10/01/22 11:52*	*1*
o-Terphenyl	*99*		*70 - 130*	*09/30/22 11:17*	*10/01/22 11:52*	*1*

Lab Sample ID: LCS 880-35805/2-A
Matrix: Solid
Analysis Batch: 35863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35805

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	812.7		mg/Kg		81	70 - 130
Diesel Range Organics (Over C10-C28)	1000	888.2		mg/Kg		89	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*95*		*70 - 130*
o-Terphenyl	*91*		*70 - 130*

Lab Sample ID: LCSD 880-35805/3-A
Matrix: Solid
Analysis Batch: 35863

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 35805

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	956.4		mg/Kg		96	70 - 130	16	20
Diesel Range Organics (Over C10-C28)	1000	991.8		mg/Kg		99	70 - 130	11	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*109*		*70 - 130*
o-Terphenyl	*103*		*70 - 130*

Lab Sample ID: 890-3075-A-1-C MS
Matrix: Solid
Analysis Batch: 35863

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 35805

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	998	603.9	F1	mg/Kg		61	70 - 130
Diesel Range Organics (Over C10-C28)	188	F1	998	466.6	F1	mg/Kg		28	70 - 130

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19825-1
SDG: Lea Co, NM

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

Lab Sample ID: 890-3075-A-1-C MS
Matrix: Solid
Analysis Batch: 35863

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 35805

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	69	S1-	70 - 130
o-Terphenyl	62	S1-	70 - 130

Lab Sample ID: 890-3075-A-1-D MSD
Matrix: Solid
Analysis Batch: 35863

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 35805

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	<50.0	U F1	999	573.3	F1	mg/Kg		57	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	188	F1	999	464.2	F1	mg/Kg		28	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	68	S1-	70 - 130
o-Terphenyl	62	S1-	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-35802/1-A
Matrix: Solid
Analysis Batch: 35924

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			10/03/22 08:45	1

Lab Sample ID: LCS 880-35802/2-A
Matrix: Solid
Analysis Batch: 35924

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	242.9		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-35802/3-A
Matrix: Solid
Analysis Batch: 35924

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	267.5		mg/Kg		107	90 - 110	10	20

Lab Sample ID: 880-19823-A-1-C MS
Matrix: Solid
Analysis Batch: 35924

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1750	F1	1240	2742	F1	mg/Kg		80	90 - 110

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19825-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-19823-A-1-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 35924

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1750	F1	1240	2859		mg/Kg		90	90 - 110	4	20

Lab Sample ID: 880-19824-A-5-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 35924

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	438		252	678.0		mg/Kg		96	90 - 110

Lab Sample ID: 880-19824-A-5-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 35924

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	438		252	677.7		mg/Kg		95	90 - 110	0	20

QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19825-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 35822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19825-1	BH1	Total/NA	Solid	5035	
880-19825-2	BH2	Total/NA	Solid	5035	
880-19825-3	BH3	Total/NA	Solid	5035	
880-19825-4	BH4	Total/NA	Solid	5035	
880-19825-5	BH5	Total/NA	Solid	5035	
880-19825-6	BH6	Total/NA	Solid	5035	
MB 880-35822/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-35822/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-35822/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-19823-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-19823-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 36069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19825-1	BH1	Total/NA	Solid	8021B	35822
880-19825-2	BH2	Total/NA	Solid	8021B	35822
880-19825-3	BH3	Total/NA	Solid	8021B	35822
880-19825-4	BH4	Total/NA	Solid	8021B	35822
880-19825-5	BH5	Total/NA	Solid	8021B	35822
880-19825-6	BH6	Total/NA	Solid	8021B	35822
MB 880-35822/5-A	Method Blank	Total/NA	Solid	8021B	35822
LCS 880-35822/1-A	Lab Control Sample	Total/NA	Solid	8021B	35822
LCSD 880-35822/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	35822
880-19823-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	35822
880-19823-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	35822

Analysis Batch: 36162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19825-1	BH1	Total/NA	Solid	Total BTEX	
880-19825-2	BH2	Total/NA	Solid	Total BTEX	
880-19825-3	BH3	Total/NA	Solid	Total BTEX	
880-19825-4	BH4	Total/NA	Solid	Total BTEX	
880-19825-5	BH5	Total/NA	Solid	Total BTEX	
880-19825-6	BH6	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 35736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19825-1	BH1	Total/NA	Solid	8015B NM	35754
880-19825-2	BH2	Total/NA	Solid	8015B NM	35754
880-19825-3	BH3	Total/NA	Solid	8015B NM	35754
880-19825-4	BH4	Total/NA	Solid	8015B NM	35754
MB 880-35754/1-A	Method Blank	Total/NA	Solid	8015B NM	35754
LCS 880-35754/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	35754
LCSD 880-35754/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	35754
880-19834-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	35754
880-19834-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	35754

QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19825-1
SDG: Lea Co, NM

GC Semi VOA

Prep Batch: 35754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19825-1	BH1	Total/NA	Solid	8015NM Prep	
880-19825-2	BH2	Total/NA	Solid	8015NM Prep	
880-19825-3	BH3	Total/NA	Solid	8015NM Prep	
880-19825-4	BH4	Total/NA	Solid	8015NM Prep	
MB 880-35754/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-35754/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-35754/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-19834-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-19834-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 35805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19825-5	BH5	Total/NA	Solid	8015NM Prep	
880-19825-6	BH6	Total/NA	Solid	8015NM Prep	
MB 880-35805/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-35805/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-35805/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3075-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-3075-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 35863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19825-5	BH5	Total/NA	Solid	8015B NM	35805
880-19825-6	BH6	Total/NA	Solid	8015B NM	35805
MB 880-35805/1-A	Method Blank	Total/NA	Solid	8015B NM	35805
LCS 880-35805/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	35805
LCSD 880-35805/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	35805
890-3075-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	35805
890-3075-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	35805

Analysis Batch: 35958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19825-1	BH1	Total/NA	Solid	8015 NM	
880-19825-2	BH2	Total/NA	Solid	8015 NM	
880-19825-3	BH3	Total/NA	Solid	8015 NM	
880-19825-4	BH4	Total/NA	Solid	8015 NM	
880-19825-5	BH5	Total/NA	Solid	8015 NM	
880-19825-6	BH6	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 35802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19825-1	BH1	Soluble	Solid	DI Leach	
880-19825-2	BH2	Soluble	Solid	DI Leach	
880-19825-3	BH3	Soluble	Solid	DI Leach	
880-19825-4	BH4	Soluble	Solid	DI Leach	
880-19825-5	BH5	Soluble	Solid	DI Leach	
880-19825-6	BH6	Soluble	Solid	DI Leach	
MB 880-35802/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-35802/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19825-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Leach Batch: 35802 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-35802/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-19823-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-19823-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-19824-A-5-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-19824-A-5-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 35924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19825-1	BH1	Soluble	Solid	300.0	35802
880-19825-2	BH2	Soluble	Solid	300.0	35802
880-19825-3	BH3	Soluble	Solid	300.0	35802
880-19825-4	BH4	Soluble	Solid	300.0	35802
880-19825-5	BH5	Soluble	Solid	300.0	35802
880-19825-6	BH6	Soluble	Solid	300.0	35802
MB 880-35802/1-A	Method Blank	Soluble	Solid	300.0	35802
LCS 880-35802/2-A	Lab Control Sample	Soluble	Solid	300.0	35802
LCSD 880-35802/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	35802
880-19823-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	35802
880-19823-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	35802
880-19824-A-5-C MS	Matrix Spike	Soluble	Solid	300.0	35802
880-19824-A-5-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	35802

Lab Chronicle

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19825-1
SDG: Lea Co, NM

Client Sample ID: BH1

Lab Sample ID: 880-19825-1
Matrix: Solid
Date Collected: 09/29/22 08:45
Date Received: 09/29/22 15:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	35822	09/30/22 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36069	10/05/22 01:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36162	10/05/22 10:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			35958	10/03/22 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35754	09/30/22 08:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35736	09/30/22 17:22	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	35802	09/30/22 10:54	SMC	EET MID
Soluble	Analysis	300.0		5			35924	10/03/22 10:26	CH	EET MID

Client Sample ID: BH2

Lab Sample ID: 880-19825-2
Matrix: Solid
Date Collected: 09/29/22 08:55
Date Received: 09/29/22 15:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	35822	09/30/22 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36069	10/05/22 02:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36162	10/05/22 10:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			35958	10/03/22 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	35754	09/30/22 08:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35736	09/30/22 17:44	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	35802	09/30/22 10:54	SMC	EET MID
Soluble	Analysis	300.0		1			35924	10/03/22 10:41	CH	EET MID

Client Sample ID: BH3

Lab Sample ID: 880-19825-3
Matrix: Solid
Date Collected: 09/29/22 09:05
Date Received: 09/29/22 15:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	35822	09/30/22 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36069	10/05/22 02:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36162	10/05/22 10:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			35958	10/03/22 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	35754	09/30/22 08:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35736	09/30/22 18:05	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	35802	09/30/22 10:54	SMC	EET MID
Soluble	Analysis	300.0		5			35924	10/03/22 10:46	CH	EET MID

Client Sample ID: BH4

Lab Sample ID: 880-19825-4
Matrix: Solid
Date Collected: 09/29/22 09:15
Date Received: 09/29/22 15:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	35822	09/30/22 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36069	10/05/22 02:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36162	10/05/22 10:47	SM	EET MID

Lab Chronicle

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19825-1
SDG: Lea Co, NM

Client Sample ID: BH4

Lab Sample ID: 880-19825-4
Matrix: Solid
Date Collected: 09/29/22 09:15
Date Received: 09/29/22 15:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			35958	10/03/22 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	35754	09/30/22 08:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35736	09/30/22 18:27	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	35802	09/30/22 10:54	SMC	EET MID
Soluble	Analysis	300.0		5			35924	10/03/22 10:51	CH	EET MID

Client Sample ID: BH5

Lab Sample ID: 880-19825-5
Matrix: Solid
Date Collected: 09/29/22 09:25
Date Received: 09/29/22 15:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	35822	09/30/22 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36069	10/05/22 03:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36162	10/05/22 10:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			35958	10/03/22 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	35805	09/30/22 11:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35863	10/01/22 17:58	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	35802	09/30/22 10:54	SMC	EET MID
Soluble	Analysis	300.0		5			35924	10/03/22 10:55	CH	EET MID

Client Sample ID: BH6

Lab Sample ID: 880-19825-6
Matrix: Solid
Date Collected: 09/29/22 09:35
Date Received: 09/29/22 15:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	35822	09/30/22 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36069	10/05/22 03:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36162	10/05/22 10:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			35958	10/03/22 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35805	09/30/22 11:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35863	10/01/22 18:19	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	35802	09/30/22 10:54	SMC	EET MID
Soluble	Analysis	300.0		5			35924	10/03/22 11:00	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19825-1
SDG: Lea Co, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19825-1
SDG: Lea Co, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19825-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-19825-1	BH1	Solid	09/29/22 08:45	09/29/22 15:53	0-6"
880-19825-2	BH2	Solid	09/29/22 08:55	09/29/22 15:53	0-6"
880-19825-3	BH3	Solid	09/29/22 09:05	09/29/22 15:53	0-6"
880-19825-4	BH4	Solid	09/29/22 09:15	09/29/22 15:53	0-6"
880-19825-5	BH5	Solid	09/29/22 09:25	09/29/22 15:53	0-6"
880-19825-6	BH6	Solid	09/29/22 09:35	09/29/22 15:53	0-6"

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Chain of Custody

Houston TX (281) 240-4200 Dallas TX (214) 902-0300
Midland TX (432) 704-5440 San Antonio TX (210) 509-3334
EL Paso TX (915) 585-3443, Lubbock TX (806) 794-1296
Hobbs NM (575) 392-7550 Carlsbad NM (575) 988-3199

Work Order No: 19825

www.xenco.com Page 1 of 1

Project Manager	Grant Huckabay	Bill to (if different)	
Company Name	Fasken Oil and Ranch	Company Name	
Address	6101 Holiday Hill Road	Address	
City, State ZIP	Midland TX 79707	City State ZIP	
Phone	432-687-1777	Email	granth@forl.com / addisong@forl.com

Work Order Comments

Program UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables EDD ☐ ADaPT ☐ Other

Project Name	DENTON #5 SWD	Turn Around	☐ Routine ☒ Rush
Project Number		Due Date	3 DAY
Project Location	LEA Co. NM	TAT starts the day received by the lab if received by 4:30pm	
Sampler's Name	Addison Guelker		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID	IR8
Cooler Custody Seals	Yes No (N/A)	Correction Factor	-.20
Sample Custody Seals	Yes No (N/A)	Temperature Reading	4.2
Total Containers		Corrected Temperature	4.0

Preservative Codes

None NO; DI Water H_2O; Cool Cool; MeOH Me; HCL HC; HNO_3 HN; H_2SO_4 H_2; NaOH Na; H_3PO_4 HP; $NaHSO_4$ NABIS; $Na_2S_2O_3$ $NaSO_3$; Zn Acetate+NaOH Zn; NaOH+Ascorbic Acid SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Parameters: CL	EC	TPH 8015M	BTEX 8021B	Sample Comments
BH1	S	9/29/22	8:45	0-6"	G	1	X		X	X	
BH2	S		8:55	0-6"	G	1	X		X	X	
BH3	S		9:05	0-6"	G	1	X		X	X	
BH4	S		9:15	0-6"	G	1	X		X	X	
BH5	S		9:25	0-6"	G	1	X		X	X	
BH6	S		9:35	0-6"	G	1	X		X	X	
	S										
	S										
	S										
	S										

880-19825 Chain of Custody

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1		9/29/22 1553	2		
3			4		
5			6		

Revised Date 08/25/2020 Rev 2020.2

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10/5/2022

Received by OCD: 7/23/2025 5:18:16 PM

Released to Imaging: 8/27/2025 2:00:32 PM

Login Sample Receipt Checklist

Client: Fasken Oil and Ranch

Job Number: 880-19825-1
SDG Number: Lea Co, NM

Login Number: 19825
List Number: 1
Creator: Rodriguez, Leticia

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	
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	

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ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-19826-1
Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Denton #5 SWD

For:
Fasken Oil and Ranch
6101 Holiday HIll Road
Midland, Texas 79707

Attn: Grant Huckabay

JKramer

Authorized for release by:
10/4/2022 3:18:55 PM

Jessica Kramer, Project Manager
(432)704-5440
Jessica.Kramer@et.eurofinsus.com

LINKS
Review your project results through my EOL
Have a Question? Ask The Expert
Visit us at: www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Laboratory Job ID: 880-19826-1
SDG: Lea Co, NM

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Definitions/Glossary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19826-1
SDG: Lea Co, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low 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.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19826-1
SDG: Lea Co, NM

Job ID: 880-19826-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-19826-1

Receipt
The samples were received on 9/29/2022 3:53 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 4.4°C

Receipt Exceptions
The following samples analyzed for method <FRACTION_METHOD> were received and analyzed from an unpreserved bulk soil jar: BH1 (880-19826-1), BH2 (880-19826-2), BH3 (880-19826-3), BH4 (880-19826-4), BH5 (880-19826-5) and BH6 (880-19826-6).

GC VOA
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: Surrogate recovery for the following samples were outside control limits: (890-3075-A-1-B), (890-3075-A-1-C MS) and (890-3075-A-1-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-35805 and analytical batch 880-35863 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-35802 and analytical batch 880-35924 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-35803 and analytical batch 880-35998 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19826-1
SDG: Lea Co, NM

Client Sample ID: BH1

Lab Sample ID: 880-19826-1
Matrix: Solid
Date Collected: 09/29/22 08:46
Date Received: 09/29/22 15:53
Sample Depth: 1'

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		09/30/22 14:51	10/04/22 12:13	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/30/22 14:51	10/04/22 12:13	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/30/22 14:51	10/04/22 12:13	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/30/22 14:51	10/04/22 12:13	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/30/22 14:51	10/04/22 12:13	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/30/22 14:51	10/04/22 12:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*09/30/22 14:51*	*10/04/22 12:13*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*09/30/22 14:51*	*10/04/22 12:13*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/04/22 13:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/03/22 11:31	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		09/30/22 11:17	10/01/22 19:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/30/22 11:17	10/01/22 19:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/30/22 11:17	10/01/22 19:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*09/30/22 11:17*	*10/01/22 19:03*	*1*
o-Terphenyl	*99*		*70 - 130*	*09/30/22 11:17*	*10/01/22 19:03*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1180**		24.8		mg/Kg			10/03/22 11:05	5

Client Sample ID: BH2

Lab Sample ID: 880-19826-2
Matrix: Solid
Date Collected: 09/29/22 08:56
Date Received: 09/29/22 15:53
Sample Depth: 1'

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		09/30/22 14:51	10/04/22 12:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/30/22 14:51	10/04/22 12:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/30/22 14:51	10/04/22 12:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/30/22 14:51	10/04/22 12:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/30/22 14:51	10/04/22 12:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/30/22 14:51	10/04/22 12:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*09/30/22 14:51*	*10/04/22 12:34*	*1*

Client Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19826-1
SDG: Lea Co, NM

Client Sample ID: BH2

Lab Sample ID: 880-19826-2
Matrix: Solid
Date Collected: 09/29/22 08:56
Date Received: 09/29/22 15:53
Sample Depth: 1'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*09/30/22 14:51*	*10/04/22 12:34*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/04/22 13:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/03/22 11:31	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		09/30/22 11:17	10/01/22 19:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/22 11:17	10/01/22 19:24	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/22 11:17	10/01/22 19:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*106*		*70 - 130*	*09/30/22 11:17*	*10/01/22 19:24*	*1*
o-Terphenyl	*98*		*70 - 130*	*09/30/22 11:17*	*10/01/22 19:24*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**454**		4.98		mg/Kg			10/03/22 11:10	1

Client Sample ID: BH3

Lab Sample ID: 880-19826-3
Matrix: Solid
Date Collected: 09/29/22 09:06
Date Received: 09/29/22 15:53
Sample Depth: 1'

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		09/30/22 14:51	10/04/22 12:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/30/22 14:51	10/04/22 12:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/30/22 14:51	10/04/22 12:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/30/22 14:51	10/04/22 12:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/30/22 14:51	10/04/22 12:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/30/22 14:51	10/04/22 12:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*09/30/22 14:51*	*10/04/22 12:55*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*09/30/22 14:51*	*10/04/22 12:55*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/04/22 13:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/03/22 11:31	1

Eurofins Midland

Client Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19826-1
SDG: Lea Co, NM

Client Sample ID: BH3

Lab Sample ID: 880-19826-3
Matrix: Solid
Date Collected: 09/29/22 09:06
Date Received: 09/29/22 15:53
Sample Depth: 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		09/30/22 11:17	10/01/22 19:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/30/22 11:17	10/01/22 19:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/30/22 11:17	10/01/22 19:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*09/30/22 11:17*	*10/01/22 19:45*	*1*
o-Terphenyl	*92*		*70 - 130*	*09/30/22 11:17*	*10/01/22 19:45*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1640**	**F1**	25.2		mg/Kg			10/03/22 16:14	5

Client Sample ID: BH4

Lab Sample ID: 880-19826-4
Matrix: Solid
Date Collected: 09/29/22 09:16
Date Received: 09/29/22 15:53
Sample Depth: 1'

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		09/30/22 14:51	10/04/22 13:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/30/22 14:51	10/04/22 13:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/30/22 14:51	10/04/22 13:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/30/22 14:51	10/04/22 13:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/30/22 14:51	10/04/22 13:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/30/22 14:51	10/04/22 13:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*09/30/22 14:51*	*10/04/22 13:16*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*09/30/22 14:51*	*10/04/22 13:16*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/04/22 13:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**52.7**		50.0		mg/Kg			10/03/22 11:31	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		09/30/22 11:17	10/01/22 20:07	1
Diesel Range Organics (Over C10-C28)	**52.7**		50.0		mg/Kg		09/30/22 11:17	10/01/22 20:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/22 11:17	10/01/22 20:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*09/30/22 11:17*	*10/01/22 20:07*	*1*
o-Terphenyl	*86*		*70 - 130*	*09/30/22 11:17*	*10/01/22 20:07*	*1*

Client Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19826-1
SDG: Lea Co, NM

Client Sample ID: BH4

Lab Sample ID: 880-19826-4
Matrix: Solid
Date Collected: 09/29/22 09:16
Date Received: 09/29/22 15:53
Sample Depth: 1'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	354		5.04		mg/Kg			10/03/22 16:29	1

Client Sample ID: BH5

Lab Sample ID: 880-19826-5
Matrix: Solid
Date Collected: 09/29/22 09:26
Date Received: 09/29/22 15:53
Sample Depth: 1'

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		09/30/22 14:51	10/04/22 13:36	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/30/22 14:51	10/04/22 13:36	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/30/22 14:51	10/04/22 13:36	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/30/22 14:51	10/04/22 13:36	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/30/22 14:51	10/04/22 13:36	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/30/22 14:51	10/04/22 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*09/30/22 14:51*	*10/04/22 13:36*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*09/30/22 14:51*	*10/04/22 13:36*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/04/22 13:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/03/22 11:31	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		09/30/22 11:17	10/01/22 20:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/30/22 11:17	10/01/22 20:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/30/22 11:17	10/01/22 20:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*09/30/22 11:17*	*10/01/22 20:28*	*1*
o-Terphenyl	*88*		*70 - 130*	*09/30/22 11:17*	*10/01/22 20:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	337		5.02		mg/Kg			10/03/22 16:33	1

Client Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19826-1
SDG: Lea Co, NM

Client Sample ID: BH6

Date Collected: 09/29/22 09:36
Date Received: 09/29/22 15:53
Sample Depth: 1'

Lab Sample ID: 880-19826-6

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/30/22 14:51	10/04/22 13:57	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/30/22 14:51	10/04/22 13:57	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/30/22 14:51	10/04/22 13:57	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/30/22 14:51	10/04/22 13:57	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/30/22 14:51	10/04/22 13:57	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/30/22 14:51	10/04/22 13:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*09/30/22 14:51*	*10/04/22 13:57*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*09/30/22 14:51*	*10/04/22 13:57*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			10/04/22 13:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**109**		49.9		mg/Kg			10/03/22 11:31	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		09/30/22 11:17	10/01/22 20:50	1
Diesel Range Organics (Over C10-C28)	**109**		49.9		mg/Kg		09/30/22 11:17	10/01/22 20:50	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/30/22 11:17	10/01/22 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*09/30/22 11:17*	*10/01/22 20:50*	*1*
o-Terphenyl	*97*		*70 - 130*	*09/30/22 11:17*	*10/01/22 20:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**293**		4.98		mg/Kg			10/03/22 16:38	1

Surrogate Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19826-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-19826-1	BH1	110	93
880-19826-1 MS	BH1	99	102
880-19826-1 MSD	BH1	96	98
880-19826-2	BH2	111	99
880-19826-3	BH3	115	103
880-19826-4	BH4	116	100
880-19826-5	BH5	123	102
880-19826-6	BH6	121	108
LCS 880-35824/1-A	Lab Control Sample	83	93
LCSD 880-35824/2-A	Lab Control Sample Dup	87	98
MB 880-35824/5-A	Method Blank	94	82

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-19826-1	BH1	110	99
880-19826-2	BH2	106	98
880-19826-3	BH3	100	92
880-19826-4	BH4	94	86
880-19826-5	BH5	96	88
880-19826-6	BH6	105	97
890-3075-A-1-C MS	Matrix Spike	69 S1-	62 S1-
890-3075-A-1-D MSD	Matrix Spike Duplicate	68 S1-	62 S1-
LCS 880-35805/2-A	Lab Control Sample	95	91
LCSD 880-35805/3-A	Lab Control Sample Dup	109	103
MB 880-35805/1-A	Method Blank	109	99

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19826-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-35824/5-A
Matrix: Solid
Analysis Batch: 36027

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 35824

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:51	10/04/22 11:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:51	10/04/22 11:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:51	10/04/22 11:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/30/22 14:51	10/04/22 11:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:51	10/04/22 11:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/30/22 14:51	10/04/22 11:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*09/30/22 14:51*	*10/04/22 11:52*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*09/30/22 14:51*	*10/04/22 11:52*	*1*

Lab Sample ID: LCS 880-35824/1-A
Matrix: Solid
Analysis Batch: 36027

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35824

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1004		mg/Kg		100	70 - 130
Toluene	0.100	0.1007		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.09668		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.2011		mg/Kg		101	70 - 130
o-Xylene	0.100	0.1002		mg/Kg		100	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: LCSD 880-35824/2-A
Matrix: Solid
Analysis Batch: 36027

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 35824

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1036		mg/Kg		104	70 - 130	3	35
Toluene	0.100	0.1037		mg/Kg		104	70 - 130	3	35
Ethylbenzene	0.100	0.09909		mg/Kg		99	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2058		mg/Kg		103	70 - 130	2	35
o-Xylene	0.100	0.1030		mg/Kg		103	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 880-19826-1 MS
Matrix: Solid
Analysis Batch: 36027

Client Sample ID: BH1
Prep Type: Total/NA
Prep Batch: 35824

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.09434		mg/Kg		94	70 - 130
Toluene	<0.00201	U	0.100	0.09769		mg/Kg		97	70 - 130

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19826-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-19826-1 MS
Matrix: Solid
Analysis Batch: 36027

Client Sample ID: BH1
Prep Type: Total/NA
Prep Batch: 35824

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.09359		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1989		mg/Kg		99	70 - 130
o-Xylene	<0.00201	U	0.100	0.1003		mg/Kg		100	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-19826-1 MSD
Matrix: Solid
Analysis Batch: 36027

Client Sample ID: BH1
Prep Type: Total/NA
Prep Batch: 35824

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0998	0.09755		mg/Kg		98	70 - 130	3	35
Toluene	<0.00201	U	0.0998	0.09855		mg/Kg		98	70 - 130	1	35
Ethylbenzene	<0.00201	U	0.0998	0.09317		mg/Kg		93	70 - 130	0	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1943		mg/Kg		97	70 - 130	2	35
o-Xylene	<0.00201	U	0.0998	0.09791		mg/Kg		98	70 - 130	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

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

Lab Sample ID: MB 880-35805/1-A
Matrix: Solid
Analysis Batch: 35863

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 35805

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		09/30/22 11:17	10/01/22 11:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/22 11:17	10/01/22 11:52	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/22 11:17	10/01/22 11:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*09/30/22 11:17*	*10/01/22 11:52*	*1*
o-Terphenyl	*99*		*70 - 130*	*09/30/22 11:17*	*10/01/22 11:52*	*1*

Lab Sample ID: LCS 880-35805/2-A
Matrix: Solid
Analysis Batch: 35863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35805

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	812.7		mg/Kg		81	70 - 130
Diesel Range Organics (Over C10-C28)	1000	888.2		mg/Kg		89	70 - 130

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19826-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-35805/2-A
Matrix: Solid
Analysis Batch: 35863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35805

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	91		70 - 130

Lab Sample ID: LCSD 880-35805/3-A
Matrix: Solid
Analysis Batch: 35863

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 35805

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	956.4		mg/Kg		96	70 - 130	16	20
Diesel Range Organics (Over C10-C28)			1000	991.8		mg/Kg		99	70 - 130	11	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: 890-3075-A-1-C MS
Matrix: Solid
Analysis Batch: 35863

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 35805

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	998	603.9	F1	mg/Kg		61	70 - 130
Diesel Range Organics (Over C10-C28)	188	F1	998	466.6	F1	mg/Kg		28	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	69	S1-	70 - 130
o-Terphenyl	62	S1-	70 - 130

Lab Sample ID: 890-3075-A-1-D MSD
Matrix: Solid
Analysis Batch: 35863

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 35805

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	<50.0	U F1	999	573.3	F1	mg/Kg		57	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	188	F1	999	464.2	F1	mg/Kg		28	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	68	S1-	70 - 130
o-Terphenyl	62	S1-	70 - 130

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19826-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-35802/1-A
Matrix: Solid
Analysis Batch: 35924

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			10/03/22 08:45	1

Lab Sample ID: LCS 880-35802/2-A
Matrix: Solid
Analysis Batch: 35924

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	242.9		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-35802/3-A
Matrix: Solid
Analysis Batch: 35924

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	267.5		mg/Kg		107	90 - 110	10	20

Lab Sample ID: 880-19823-A-1-C MS
Matrix: Solid
Analysis Batch: 35924

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1750	F1	1240	2742	F1	mg/Kg		80	90 - 110		

Lab Sample ID: 880-19823-A-1-D MSD
Matrix: Solid
Analysis Batch: 35924

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1750	F1	1240	2859		mg/Kg		90	90 - 110	4	20

Lab Sample ID: 880-19824-A-5-C MS
Matrix: Solid
Analysis Batch: 35924

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	438		252	678.0		mg/Kg		96	90 - 110		

Lab Sample ID: 880-19824-A-5-D MSD
Matrix: Solid
Analysis Batch: 35924

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	438		252	677.7		mg/Kg		95	90 - 110	0	20

Lab Sample ID: MB 880-35803/1-A
Matrix: Solid
Analysis Batch: 35998

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			10/03/22 15:59	1

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19826-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-35803/2-A
Matrix: Solid
Analysis Batch: 35998

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	243.8		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-35803/3-A
Matrix: Solid
Analysis Batch: 35998

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	245.3		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 880-19826-3 MS
Matrix: Solid
Analysis Batch: 35998

Client Sample ID: BH3
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1640	F1	1260	2744	F1	mg/Kg		88	90 - 110		

Lab Sample ID: 880-19826-3 MSD
Matrix: Solid
Analysis Batch: 35998

Client Sample ID: BH3
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1640	F1	1260	2751	F1	mg/Kg		89	90 - 110	0	20

QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19826-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 35824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19826-1	BH1	Total/NA	Solid	5035	
880-19826-2	BH2	Total/NA	Solid	5035	
880-19826-3	BH3	Total/NA	Solid	5035	
880-19826-4	BH4	Total/NA	Solid	5035	
880-19826-5	BH5	Total/NA	Solid	5035	
880-19826-6	BH6	Total/NA	Solid	5035	
MB 880-35824/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-35824/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-35824/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-19826-1 MS	BH1	Total/NA	Solid	5035	
880-19826-1 MSD	BH1	Total/NA	Solid	5035	

Analysis Batch: 36027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19826-1	BH1	Total/NA	Solid	8021B	35824
880-19826-2	BH2	Total/NA	Solid	8021B	35824
880-19826-3	BH3	Total/NA	Solid	8021B	35824
880-19826-4	BH4	Total/NA	Solid	8021B	35824
880-19826-5	BH5	Total/NA	Solid	8021B	35824
880-19826-6	BH6	Total/NA	Solid	8021B	35824
MB 880-35824/5-A	Method Blank	Total/NA	Solid	8021B	35824
LCS 880-35824/1-A	Lab Control Sample	Total/NA	Solid	8021B	35824
LCSD 880-35824/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	35824
880-19826-1 MS	BH1	Total/NA	Solid	8021B	35824
880-19826-1 MSD	BH1	Total/NA	Solid	8021B	35824

Analysis Batch: 36061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19826-1	BH1	Total/NA	Solid	Total BTEX	
880-19826-2	BH2	Total/NA	Solid	Total BTEX	
880-19826-3	BH3	Total/NA	Solid	Total BTEX	
880-19826-4	BH4	Total/NA	Solid	Total BTEX	
880-19826-5	BH5	Total/NA	Solid	Total BTEX	
880-19826-6	BH6	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 35805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19826-1	BH1	Total/NA	Solid	8015NM Prep	
880-19826-2	BH2	Total/NA	Solid	8015NM Prep	
880-19826-3	BH3	Total/NA	Solid	8015NM Prep	
880-19826-4	BH4	Total/NA	Solid	8015NM Prep	
880-19826-5	BH5	Total/NA	Solid	8015NM Prep	
880-19826-6	BH6	Total/NA	Solid	8015NM Prep	
MB 880-35805/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-35805/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-35805/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3075-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-3075-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19826-1
SDG: Lea Co, NM

GC Semi VOA

Analysis Batch: 35863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19826-1	BH1	Total/NA	Solid	8015B NM	35805
880-19826-2	BH2	Total/NA	Solid	8015B NM	35805
880-19826-3	BH3	Total/NA	Solid	8015B NM	35805
880-19826-4	BH4	Total/NA	Solid	8015B NM	35805
880-19826-5	BH5	Total/NA	Solid	8015B NM	35805
880-19826-6	BH6	Total/NA	Solid	8015B NM	35805
MB 880-35805/1-A	Method Blank	Total/NA	Solid	8015B NM	35805
LCS 880-35805/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	35805
LCSD 880-35805/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	35805
890-3075-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	35805
890-3075-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	35805

Analysis Batch: 35973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19826-1	BH1	Total/NA	Solid	8015 NM	
880-19826-2	BH2	Total/NA	Solid	8015 NM	
880-19826-3	BH3	Total/NA	Solid	8015 NM	
880-19826-4	BH4	Total/NA	Solid	8015 NM	
880-19826-5	BH5	Total/NA	Solid	8015 NM	
880-19826-6	BH6	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 35802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19826-1	BH1	Soluble	Solid	DI Leach	
880-19826-2	BH2	Soluble	Solid	DI Leach	
MB 880-35802/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-35802/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-35802/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-19823-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-19823-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-19824-A-5-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-19824-A-5-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 35803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19826-3	BH3	Soluble	Solid	DI Leach	
880-19826-4	BH4	Soluble	Solid	DI Leach	
880-19826-5	BH5	Soluble	Solid	DI Leach	
880-19826-6	BH6	Soluble	Solid	DI Leach	
MB 880-35803/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-35803/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-35803/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-19826-3 MS	BH3	Soluble	Solid	DI Leach	
880-19826-3 MSD	BH3	Soluble	Solid	DI Leach	

Analysis Batch: 35924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19826-1	BH1	Soluble	Solid	300.0	35802
880-19826-2	BH2	Soluble	Solid	300.0	35802

QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19826-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Analysis Batch: 35924 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-35802/1-A	Method Blank	Soluble	Solid	300.0	35802
LCS 880-35802/2-A	Lab Control Sample	Soluble	Solid	300.0	35802
LCSD 880-35802/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	35802
880-19823-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	35802
880-19823-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	35802
880-19824-A-5-C MS	Matrix Spike	Soluble	Solid	300.0	35802
880-19824-A-5-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	35802

Analysis Batch: 35998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19826-3	BH3	Soluble	Solid	300.0	35803
880-19826-4	BH4	Soluble	Solid	300.0	35803
880-19826-5	BH5	Soluble	Solid	300.0	35803
880-19826-6	BH6	Soluble	Solid	300.0	35803
MB 880-35803/1-A	Method Blank	Soluble	Solid	300.0	35803
LCS 880-35803/2-A	Lab Control Sample	Soluble	Solid	300.0	35803
LCSD 880-35803/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	35803
880-19826-3 MS	BH3	Soluble	Solid	300.0	35803
880-19826-3 MSD	BH3	Soluble	Solid	300.0	35803

Lab Chronicle

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19826-1
SDG: Lea Co, NM

Client Sample ID: BH1

Lab Sample ID: 880-19826-1
Matrix: Solid
Date Collected: 09/29/22 08:46
Date Received: 09/29/22 15:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	35824	09/30/22 14:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36027	10/04/22 12:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36061	10/04/22 13:45	MNR	EET MID
Total/NA	Analysis	8015 NM		1			35973	10/03/22 11:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	35805	09/30/22 11:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35863	10/01/22 19:03	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	35802	09/30/22 10:54	SMC	EET MID
Soluble	Analysis	300.0		5			35924	10/03/22 11:05	CH	EET MID

Client Sample ID: BH2

Lab Sample ID: 880-19826-2
Matrix: Solid
Date Collected: 09/29/22 08:56
Date Received: 09/29/22 15:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	35824	09/30/22 14:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36027	10/04/22 12:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36061	10/04/22 13:45	MNR	EET MID
Total/NA	Analysis	8015 NM		1			35973	10/03/22 11:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35805	09/30/22 11:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35863	10/01/22 19:24	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	35802	09/30/22 10:54	SMC	EET MID
Soluble	Analysis	300.0		1			35924	10/03/22 11:10	CH	EET MID

Client Sample ID: BH3

Lab Sample ID: 880-19826-3
Matrix: Solid
Date Collected: 09/29/22 09:06
Date Received: 09/29/22 15:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	35824	09/30/22 14:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36027	10/04/22 12:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36061	10/04/22 13:45	MNR	EET MID
Total/NA	Analysis	8015 NM		1			35973	10/03/22 11:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	35805	09/30/22 11:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35863	10/01/22 19:45	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	35803	09/30/22 10:58	SMC	EET MID
Soluble	Analysis	300.0		5			35998	10/03/22 16:14	CH	EET MID

Client Sample ID: BH4

Lab Sample ID: 880-19826-4
Matrix: Solid
Date Collected: 09/29/22 09:16
Date Received: 09/29/22 15:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	35824	09/30/22 14:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36027	10/04/22 13:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36061	10/04/22 13:45	MNR	EET MID

Eurofins Midland

Lab Chronicle

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19826-1
SDG: Lea Co, NM

Client Sample ID: BH4

Lab Sample ID: 880-19826-4

Date Collected: 09/29/22 09:16
Matrix: Solid
Date Received: 09/29/22 15:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			35973	10/03/22 11:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35805	09/30/22 11:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35863	10/01/22 20:07	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	35803	09/30/22 10:58	SMC	EET MID
Soluble	Analysis	300.0		1			35998	10/03/22 16:29	CH	EET MID

Client Sample ID: BH5

Lab Sample ID: 880-19826-5

Date Collected: 09/29/22 09:26
Matrix: Solid
Date Received: 09/29/22 15:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	35824	09/30/22 14:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36027	10/04/22 13:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36061	10/04/22 13:45	MNR	EET MID
Total/NA	Analysis	8015 NM		1			35973	10/03/22 11:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	35805	09/30/22 11:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35863	10/01/22 20:28	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	35803	09/30/22 10:58	SMC	EET MID
Soluble	Analysis	300.0		1			35998	10/03/22 16:33	CH	EET MID

Client Sample ID: BH6

Lab Sample ID: 880-19826-6

Date Collected: 09/29/22 09:36
Matrix: Solid
Date Received: 09/29/22 15:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	35824	09/30/22 14:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36027	10/04/22 13:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36061	10/04/22 13:45	MNR	EET MID
Total/NA	Analysis	8015 NM		1			35973	10/03/22 11:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	35805	09/30/22 11:17	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35863	10/01/22 20:50	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	35803	09/30/22 10:58	SMC	EET MID
Soluble	Analysis	300.0		1			35998	10/03/22 16:38	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19826-1
SDG: Lea Co, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19826-1
SDG: Lea Co, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19826-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-19826-1	BH1	Solid	09/29/22 08:46	09/29/22 15:53	1'
880-19826-2	BH2	Solid	09/29/22 08:56	09/29/22 15:53	1'
880-19826-3	BH3	Solid	09/29/22 09:06	09/29/22 15:53	1'
880-19826-4	BH4	Solid	09/29/22 09:16	09/29/22 15:53	1'
880-19826-5	BH5	Solid	09/29/22 09:26	09/29/22 15:53	1'
880-19826-6	BH6	Solid	09/29/22 09:36	09/29/22 15:53	1'

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Chain of Custody

Houston TX (281) 240-4200 Dallas TX (214) 902-0300
Midland TX (432) 704-5440 San Antonio TX (210) 509-3334
EL Paso TX (915) 585-3443 Lubbock TX (806) 794-1296
Hobbs NM (575) 392-7550 Carlsbad NM (575) 988-3199

Work Order No: 19826

www.xenco.com Page 1 of 1

Project Manager	Grant Huckabay	Bill to (if different)	
Company Name	Fasken Oil and Ranch	Company Name	
Address	6101 Holiday Hill Road	Address	
City State ZIP	Midland TX 79707	City, State ZIP	
Phone	432-687-1777	Email	granth@forl.com / addisong@forl.com

Work Order Comments

Program UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables EDD ☐ ADaPT ☐ Other

Project Name	DENTON #5 SWD	Turn Around	☐ Routine ☑ Rush
Project Number		Due Date	3 DAY
Project Location	LEA Co NM	TAT starts the day received by the lab if received by 4 30pm	
Sampler's Name	Addison Guelker		
PO #			

SAMPLE RECEIPT			
Temp Blank	Yes (No)	Wet Ice	(Yes) No
Samples Received Intact	(Yes) No	Thermometer ID	IR8
Cooler Custody Seals	Yes No (N/A)	Correction Factor	-.20
Sample Custody Seals	Yes No (N/A)	Temperature Reading	4.2
Total Containers		Corrected Temperature	4.4

Preservative Codes

None NO; DI Water H_2O; Cool Cool; MeOH Me; HCL HC; HNO_3 HN; H_2SO_4 H_2; NaOH Na; H_3PO_4 HP; $NaHSO_4$ NABIS; $Na_2S_2O_3$ $NaSO_3$; Zn Acetate+NaOH Zn; NaOH+Ascorbic Acid SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: CL	EC	TPH 8015M	BTEX 8021B	Sample Comments
BH1	S	9/21/22	8.46	1'	G	1		X		X	X	
BH2	S		8.56	1'	G	1						
BH3	S		9.06	1'	G	1						
BH4	S		9.16	1'	G	1						
BH5	S		9.26	1'	G	1						
BH6	S		9.36	1'	G	1						
	S											
	S											
	S											
	S											

880-19826 Chain of Custody

Total 200.7 / 6010 200 8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg 1631 / 245 1 / 7470 / 7471

Notice Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85 00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1		9/29/22 1553	2		
3			4		
5			6		

Revised Date 08/25/2020 Rev 2020.2

Received by OCD: 7/23/2025 5:18:16 PM

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Released to Imaging: 8/27/2025 2:00:32 PM

10/4/2022

Login Sample Receipt Checklist

Client: Fasken Oil and Ranch

Job Number: 880-19826-1
SDG Number: Lea Co, NM

Login Number: 19826
List Number: 1
Creator: Rodriguez, Leticia

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	
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	

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ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-19824-1
Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Denton #5 SWD

For:
Fasken Oil and Ranch
6101 Holiday HIll Road
Midland, Texas 79707

Attn: Grant Huckabay

JKramer

Authorized for release by:
10/5/2022 10:23:12 AM

Jessica Kramer, Project Manager
(432)704-5440
Jessica.Kramer@et.eurofinsus.com

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

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Laboratory Job ID: 880-19824-1
SDG: Lea Co, NM

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Definitions/Glossary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19824-1
SDG: Lea Co, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19824-1
SDG: Lea Co, NM

Job ID: 880-19824-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-19824-1

Receipt
The samples were received on 9/29/2022 3:53 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 4.4°C

Receipt Exceptions
The following samples analyzed for method <FRACTION_METHOD> were received and analyzed from an unpreserved bulk soil jar: BH1 (880-19824-1), BH2 (880-19824-2), BH3 (880-19824-3), BH4 (880-19824-4), BH5 (880-19824-5) and BH6 (880-19824-6).

GC VOA
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: Surrogate recovery for the following sample was outside control limits: (880-19834-A-1-C MSD). 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.

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: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19824-1
SDG: Lea Co, NM

Client Sample ID: BH1

Lab Sample ID: 880-19824-1
Matrix: Solid
Date Collected: 09/29/22 08:47
Date Received: 09/29/22 15:53
Sample Depth: 2'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/30/22 14:23	10/04/22 22:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/30/22 14:23	10/04/22 22:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/30/22 14:23	10/04/22 22:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/30/22 14:23	10/04/22 22:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/30/22 14:23	10/04/22 22:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/30/22 14:23	10/04/22 22:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*09/30/22 14:23*	*10/04/22 22:15*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*09/30/22 14:23*	*10/04/22 22:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/05/22 10:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/03/22 11:24	1

Method: SW846 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		09/30/22 08:47	09/30/22 15:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/22 08:47	09/30/22 15:14	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/22 08:47	09/30/22 15:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*09/30/22 08:47*	*09/30/22 15:14*	*1*
o-Terphenyl	*98*		*70 - 130*	*09/30/22 08:47*	*09/30/22 15:14*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1260**		25.1		mg/Kg			10/03/22 09:48	5

Client Sample ID: BH2

Lab Sample ID: 880-19824-2
Matrix: Solid
Date Collected: 09/29/22 08:57
Date Received: 09/29/22 15:53
Sample Depth: 2'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/04/22 22:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/04/22 22:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/04/22 22:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/30/22 14:23	10/04/22 22:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/04/22 22:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/30/22 14:23	10/04/22 22:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*09/30/22 14:23*	*10/04/22 22:35*	*1*

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Client Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19824-1
SDG: Lea Co, NM

Client Sample ID: BH2

Lab Sample ID: 880-19824-2
Matrix: Solid
Date Collected: 09/29/22 08:57
Date Received: 09/29/22 15:53
Sample Depth: 2'

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*09/30/22 14:23*	*10/04/22 22:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/05/22 10:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/03/22 11:24	1

Method: SW846 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		09/30/22 08:47	09/30/22 15:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/30/22 08:47	09/30/22 15:36	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/30/22 08:47	09/30/22 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*09/30/22 08:47*	*09/30/22 15:36*	*1*
o-Terphenyl	*102*		*70 - 130*	*09/30/22 08:47*	*09/30/22 15:36*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**464**		4.98		mg/Kg			10/03/22 09:53	1

Client Sample ID: BH3

Lab Sample ID: 880-19824-3
Matrix: Solid
Date Collected: 09/29/22 09:07
Date Received: 09/29/22 15:53
Sample Depth: 2'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/04/22 22:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/04/22 22:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/04/22 22:55	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/30/22 14:23	10/04/22 22:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/04/22 22:55	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/30/22 14:23	10/04/22 22:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*09/30/22 14:23*	*10/04/22 22:55*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*09/30/22 14:23*	*10/04/22 22:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/05/22 10:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**226**		49.9		mg/Kg			10/03/22 11:24	1

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Client Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19824-1
SDG: Lea Co, NM

Client Sample ID: BH3

Lab Sample ID: 880-19824-3
Matrix: Solid
Date Collected: 09/29/22 09:07
Date Received: 09/29/22 15:53
Sample Depth: 2'

Method: SW846 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		09/30/22 08:47	09/30/22 15:57	1
Diesel Range Organics (Over C10-C28)	226		49.9		mg/Kg		09/30/22 08:47	09/30/22 15:57	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/30/22 08:47	09/30/22 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*09/30/22 08:47*	*09/30/22 15:57*	*1*
o-Terphenyl	*100*		*70 - 130*	*09/30/22 08:47*	*09/30/22 15:57*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1200		24.8		mg/Kg			10/03/22 09:57	5

Client Sample ID: BH4

Lab Sample ID: 880-19824-4
Matrix: Solid
Date Collected: 09/29/22 09:17
Date Received: 09/29/22 15:53
Sample Depth: 2'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/30/22 14:23	10/04/22 23:16	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/30/22 14:23	10/04/22 23:16	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/30/22 14:23	10/04/22 23:16	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/30/22 14:23	10/04/22 23:16	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/30/22 14:23	10/04/22 23:16	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/30/22 14:23	10/04/22 23:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*09/30/22 14:23*	*10/04/22 23:16*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*09/30/22 14:23*	*10/04/22 23:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/05/22 10:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/03/22 11:24	1

Method: SW846 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		09/30/22 08:47	09/30/22 16:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/30/22 08:47	09/30/22 16:18	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/30/22 08:47	09/30/22 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*09/30/22 08:47*	*09/30/22 16:18*	*1*
o-Terphenyl	*115*		*70 - 130*	*09/30/22 08:47*	*09/30/22 16:18*	*1*

Client Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19824-1
SDG: Lea Co, NM

Client Sample ID: BH4

Lab Sample ID: 880-19824-4
Matrix: Solid
Date Collected: 09/29/22 09:17
Date Received: 09/29/22 15:53
Sample Depth: 2'

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	304		4.97		mg/Kg			10/03/22 10:02	1

Client Sample ID: BH5

Lab Sample ID: 880-19824-5
Matrix: Solid
Date Collected: 09/29/22 09:27
Date Received: 09/29/22 15:53
Sample Depth: 2'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/05/22 01:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/05/22 01:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/05/22 01:05	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/30/22 14:23	10/05/22 01:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/05/22 01:05	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/30/22 14:23	10/05/22 01:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*09/30/22 14:23*	*10/05/22 01:05*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*09/30/22 14:23*	*10/05/22 01:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/05/22 10:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/03/22 11:24	1

Method: SW846 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		09/30/22 08:47	09/30/22 16:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/22 08:47	09/30/22 16:40	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/22 08:47	09/30/22 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*09/30/22 08:47*	*09/30/22 16:40*	*1*
o-Terphenyl	*103*		*70 - 130*	*09/30/22 08:47*	*09/30/22 16:40*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	438		5.03		mg/Kg			10/03/22 10:07	1

Client Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19824-1
SDG: Lea Co, NM

Client Sample ID: BH6

Date Collected: 09/29/22 09:37
Date Received: 09/29/22 15:53
Sample Depth: 2'

Lab Sample ID: 880-19824-6

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/30/22 14:23	10/05/22 01:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/30/22 14:23	10/05/22 01:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/30/22 14:23	10/05/22 01:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/30/22 14:23	10/05/22 01:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/30/22 14:23	10/05/22 01:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/30/22 14:23	10/05/22 01:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*09/30/22 14:23*	*10/05/22 01:26*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*09/30/22 14:23*	*10/05/22 01:26*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/05/22 10:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/03/22 11:24	1

Method: SW846 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		09/30/22 08:47	09/30/22 17:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/30/22 08:47	09/30/22 17:01	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/30/22 08:47	09/30/22 17:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*09/30/22 08:47*	*09/30/22 17:01*	*1*
o-Terphenyl	*99*		*70 - 130*	*09/30/22 08:47*	*09/30/22 17:01*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**435**		4.97		mg/Kg			10/03/22 10:22	1

Surrogate Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19824-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-19823-A-1-E MS	Matrix Spike	115	108
880-19823-A-1-F MSD	Matrix Spike Duplicate	112	104
880-19824-1	BH1	117	106
880-19824-2	BH2	116	104
880-19824-3	BH3	110	101
880-19824-4	BH4	116	106
880-19824-5	BH5	117	106
880-19824-6	BH6	125	109
LCS 880-35822/1-A	Lab Control Sample	108	102
LCSD 880-35822/2-A	Lab Control Sample Dup	108	102
MB 880-35822/5-A	Method Blank	103	112

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-19824-1	BH1	102	98
880-19824-2	BH2	105	102
880-19824-3	BH3	106	100
880-19824-4	BH4	112	115
880-19824-5	BH5	102	103
880-19824-6	BH6	100	99
880-19834-A-1-B MS	Matrix Spike	124	80
880-19834-A-1-C MSD	Matrix Spike Duplicate	134 S1+	88
LCS 880-35754/2-A	Lab Control Sample	101	98
LCSD 880-35754/3-A	Lab Control Sample Dup	107	101
MB 880-35754/1-A	Method Blank	115	108

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19824-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-35822/5-A
Matrix: Solid
Analysis Batch: 36069

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 35822

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/04/22 19:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/04/22 19:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/04/22 19:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/30/22 14:23	10/04/22 19:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/04/22 19:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/30/22 14:23	10/04/22 19:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*09/30/22 14:23*	*10/04/22 19:43*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*09/30/22 14:23*	*10/04/22 19:43*	*1*

Lab Sample ID: LCS 880-35822/1-A
Matrix: Solid
Analysis Batch: 36069

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35822

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09822		mg/Kg		98	70 - 130
Toluene	0.100	0.1046		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.1051		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	0.200	0.2088		mg/Kg		104	70 - 130
o-Xylene	0.100	0.1021		mg/Kg		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-35822/2-A
Matrix: Solid
Analysis Batch: 36069

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 35822

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08416		mg/Kg		84	70 - 130	15	35
Toluene	0.100	0.08894		mg/Kg		89	70 - 130	16	35
Ethylbenzene	0.100	0.08921		mg/Kg		89	70 - 130	16	35
m-Xylene & p-Xylene	0.200	0.1794		mg/Kg		90	70 - 130	15	35
o-Xylene	0.100	0.08941		mg/Kg		89	70 - 130	13	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-19823-A-1-E MS
Matrix: Solid
Analysis Batch: 36069

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 35822

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.09243		mg/Kg		93	70 - 130
Toluene	<0.00200	U	0.0998	0.09415		mg/Kg		94	70 - 130

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19824-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-19823-A-1-E MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 36069 — **Prep Batch: 35822**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.0998	0.09096		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1819		mg/Kg		91	70 - 130
o-Xylene	<0.00200	U	0.0998	0.08940		mg/Kg		90	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: 880-19823-A-1-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 36069 — **Prep Batch: 35822**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.08515		mg/Kg		86	70 - 130	8	35
Toluene	<0.00200	U	0.0990	0.08949		mg/Kg		90	70 - 130	5	35
Ethylbenzene	<0.00200	U	0.0990	0.08762		mg/Kg		88	70 - 130	4	35
m-Xylene & p-Xylene	<0.00401	U	0.198	0.1764		mg/Kg		89	70 - 130	3	35
o-Xylene	<0.00200	U	0.0990	0.08698		mg/Kg		88	70 - 130	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

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

Lab Sample ID: MB 880-35754/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35736 — **Prep Batch: 35754**

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		09/30/22 08:47	09/30/22 09:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/22 08:47	09/30/22 09:28	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/22 08:47	09/30/22 09:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*09/30/22 08:47*	*09/30/22 09:28*	*1*
o-Terphenyl	*108*		*70 - 130*	*09/30/22 08:47*	*09/30/22 09:28*	*1*

Lab Sample ID: LCS 880-35754/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35736 — **Prep Batch: 35754**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	753.2		mg/Kg		75	70 - 130
Diesel Range Organics (Over C10-C28)	1000	962.9		mg/Kg		96	70 - 130

Eurofins Midland

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19824-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-35754/2-A
Matrix: Solid
Analysis Batch: 35736

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35754

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: LCSD 880-35754/3-A
Matrix: Solid
Analysis Batch: 35736

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 35754

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	781.3		mg/Kg		78	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	998.5		mg/Kg		100	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	101		70 - 130

Lab Sample ID: 880-19834-A-1-B MS
Matrix: Solid
Analysis Batch: 35736

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 35754

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1040		998	1890		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	1690		998	2765		mg/Kg		108	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	124		70 - 130
o-Terphenyl	80		70 - 130

Lab Sample ID: 880-19834-A-1-C MSD
Matrix: Solid
Analysis Batch: 35736

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 35754

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	1040		999	1986		mg/Kg		94	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1690		999	2948		mg/Kg		126	70 - 130	6	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	134	S1+	70 - 130
o-Terphenyl	88		70 - 130

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19824-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-35802/1-A
Matrix: Solid
Analysis Batch: 35924

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			10/03/22 08:45	1

Lab Sample ID: LCS 880-35802/2-A
Matrix: Solid
Analysis Batch: 35924

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	242.9		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-35802/3-A
Matrix: Solid
Analysis Batch: 35924

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	267.5		mg/Kg		107	90 - 110	10	20

Lab Sample ID: 880-19824-5 MS
Matrix: Solid
Analysis Batch: 35924

Client Sample ID: BH5
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	438		252	678.0		mg/Kg		96	90 - 110		

Lab Sample ID: 880-19824-5 MSD
Matrix: Solid
Analysis Batch: 35924

Client Sample ID: BH5
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	438		252	677.7		mg/Kg		95	90 - 110	0	20

QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19824-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 35822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19824-1	BH1	Total/NA	Solid	5035	
880-19824-2	BH2	Total/NA	Solid	5035	
880-19824-3	BH3	Total/NA	Solid	5035	
880-19824-4	BH4	Total/NA	Solid	5035	
880-19824-5	BH5	Total/NA	Solid	5035	
880-19824-6	BH6	Total/NA	Solid	5035	
MB 880-35822/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-35822/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-35822/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-19823-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-19823-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 36069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19824-1	BH1	Total/NA	Solid	8021B	35822
880-19824-2	BH2	Total/NA	Solid	8021B	35822
880-19824-3	BH3	Total/NA	Solid	8021B	35822
880-19824-4	BH4	Total/NA	Solid	8021B	35822
880-19824-5	BH5	Total/NA	Solid	8021B	35822
880-19824-6	BH6	Total/NA	Solid	8021B	35822
MB 880-35822/5-A	Method Blank	Total/NA	Solid	8021B	35822
LCS 880-35822/1-A	Lab Control Sample	Total/NA	Solid	8021B	35822
LCSD 880-35822/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	35822
880-19823-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	35822
880-19823-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	35822

Analysis Batch: 36161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19824-1	BH1	Total/NA	Solid	Total BTEX	
880-19824-2	BH2	Total/NA	Solid	Total BTEX	
880-19824-3	BH3	Total/NA	Solid	Total BTEX	
880-19824-4	BH4	Total/NA	Solid	Total BTEX	
880-19824-5	BH5	Total/NA	Solid	Total BTEX	
880-19824-6	BH6	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 35736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19824-1	BH1	Total/NA	Solid	8015B NM	35754
880-19824-2	BH2	Total/NA	Solid	8015B NM	35754
880-19824-3	BH3	Total/NA	Solid	8015B NM	35754
880-19824-4	BH4	Total/NA	Solid	8015B NM	35754
880-19824-5	BH5	Total/NA	Solid	8015B NM	35754
880-19824-6	BH6	Total/NA	Solid	8015B NM	35754
MB 880-35754/1-A	Method Blank	Total/NA	Solid	8015B NM	35754
LCS 880-35754/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	35754
LCSD 880-35754/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	35754
880-19834-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	35754
880-19834-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	35754

QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19824-1
SDG: Lea Co, NM

GC Semi VOA

Prep Batch: 35754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19824-1	BH1	Total/NA	Solid	8015NM Prep	
880-19824-2	BH2	Total/NA	Solid	8015NM Prep	
880-19824-3	BH3	Total/NA	Solid	8015NM Prep	
880-19824-4	BH4	Total/NA	Solid	8015NM Prep	
880-19824-5	BH5	Total/NA	Solid	8015NM Prep	
880-19824-6	BH6	Total/NA	Solid	8015NM Prep	
MB 880-35754/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-35754/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-35754/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-19834-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-19834-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 35957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19824-1	BH1	Total/NA	Solid	8015 NM	
880-19824-2	BH2	Total/NA	Solid	8015 NM	
880-19824-3	BH3	Total/NA	Solid	8015 NM	
880-19824-4	BH4	Total/NA	Solid	8015 NM	
880-19824-5	BH5	Total/NA	Solid	8015 NM	
880-19824-6	BH6	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 35802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19824-1	BH1	Soluble	Solid	DI Leach	
880-19824-2	BH2	Soluble	Solid	DI Leach	
880-19824-3	BH3	Soluble	Solid	DI Leach	
880-19824-4	BH4	Soluble	Solid	DI Leach	
880-19824-5	BH5	Soluble	Solid	DI Leach	
880-19824-6	BH6	Soluble	Solid	DI Leach	
MB 880-35802/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-35802/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-35802/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-19824-5 MS	BH5	Soluble	Solid	DI Leach	
880-19824-5 MSD	BH5	Soluble	Solid	DI Leach	

Analysis Batch: 35924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19824-1	BH1	Soluble	Solid	300.0	35802
880-19824-2	BH2	Soluble	Solid	300.0	35802
880-19824-3	BH3	Soluble	Solid	300.0	35802
880-19824-4	BH4	Soluble	Solid	300.0	35802
880-19824-5	BH5	Soluble	Solid	300.0	35802
880-19824-6	BH6	Soluble	Solid	300.0	35802
MB 880-35802/1-A	Method Blank	Soluble	Solid	300.0	35802
LCS 880-35802/2-A	Lab Control Sample	Soluble	Solid	300.0	35802
LCSD 880-35802/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	35802
880-19824-5 MS	BH5	Soluble	Solid	300.0	35802
880-19824-5 MSD	BH5	Soluble	Solid	300.0	35802

Lab Chronicle

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19824-1
SDG: Lea Co, NM

Client Sample ID: BH1

Lab Sample ID: 880-19824-1
Matrix: Solid
Date Collected: 09/29/22 08:47
Date Received: 09/29/22 15:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	35822	09/30/22 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36069	10/04/22 22:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36161	10/05/22 10:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			35957	10/03/22 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	35754	09/30/22 08:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35736	09/30/22 15:14	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	35802	09/30/22 10:54	SMC	EET MID
Soluble	Analysis	300.0		5			35924	10/03/22 09:48	CH	EET MID

Client Sample ID: BH2

Lab Sample ID: 880-19824-2
Matrix: Solid
Date Collected: 09/29/22 08:57
Date Received: 09/29/22 15:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	35822	09/30/22 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36069	10/04/22 22:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36161	10/05/22 10:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			35957	10/03/22 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	35754	09/30/22 08:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35736	09/30/22 15:36	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	35802	09/30/22 10:54	SMC	EET MID
Soluble	Analysis	300.0		1			35924	10/03/22 09:53	CH	EET MID

Client Sample ID: BH3

Lab Sample ID: 880-19824-3
Matrix: Solid
Date Collected: 09/29/22 09:07
Date Received: 09/29/22 15:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	35822	09/30/22 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36069	10/04/22 22:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36161	10/05/22 10:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			35957	10/03/22 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	35754	09/30/22 08:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35736	09/30/22 15:57	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	35802	09/30/22 10:54	SMC	EET MID
Soluble	Analysis	300.0		5			35924	10/03/22 09:57	CH	EET MID

Client Sample ID: BH4

Lab Sample ID: 880-19824-4
Matrix: Solid
Date Collected: 09/29/22 09:17
Date Received: 09/29/22 15:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	35822	09/30/22 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36069	10/04/22 23:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36161	10/05/22 10:47	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19824-1
SDG: Lea Co, NM

Client Sample ID: BH4

Date Collected: 09/29/22 09:17
Date Received: 09/29/22 15:53

Lab Sample ID: 880-19824-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			35957	10/03/22 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	35754	09/30/22 08:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35736	09/30/22 16:18	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	35802	09/30/22 10:54	SMC	EET MID
Soluble	Analysis	300.0		1			35924	10/03/22 10:02	CH	EET MID

Client Sample ID: BH5

Date Collected: 09/29/22 09:27
Date Received: 09/29/22 15:53

Lab Sample ID: 880-19824-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	35822	09/30/22 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36069	10/05/22 01:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36161	10/05/22 10:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			35957	10/03/22 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35754	09/30/22 08:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35736	09/30/22 16:40	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	35802	09/30/22 10:54	SMC	EET MID
Soluble	Analysis	300.0		1			35924	10/03/22 10:07	CH	EET MID

Client Sample ID: BH6

Date Collected: 09/29/22 09:37
Date Received: 09/29/22 15:53

Lab Sample ID: 880-19824-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	35822	09/30/22 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36069	10/05/22 01:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36161	10/05/22 10:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			35957	10/03/22 11:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	35754	09/30/22 08:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35736	09/30/22 17:01	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	35802	09/30/22 10:54	SMC	EET MID
Soluble	Analysis	300.0		1			35924	10/03/22 10:22	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19824-1
SDG: Lea Co, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19824-1
SDG: Lea Co, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19824-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-19824-1	BH1	Solid	09/29/22 08:47	09/29/22 15:53	2'
880-19824-2	BH2	Solid	09/29/22 08:57	09/29/22 15:53	2'
880-19824-3	BH3	Solid	09/29/22 09:07	09/29/22 15:53	2'
880-19824-4	BH4	Solid	09/29/22 09:17	09/29/22 15:53	2'
880-19824-5	BH5	Solid	09/29/22 09:27	09/29/22 15:53	2'
880-19824-6	BH6	Solid	09/29/22 09:37	09/29/22 15:53	2'

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Chain of Custody

Houston TX (281) 240-4200 Dallas TX (214) 902-0300
Midland TX (432) 704-5440 San Antonio, TX (210) 509-3334
EL Paso TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs NM (575) 392-7550 Carlsbad NM (575) 988-3199

Work Order No: 19824

www.xenco.com Page 1 of 1

Project Manager	Grant Huckabay	Bill to (if different)	
Company Name	Fasken Oil and Ranch	Company Name	
Address	6101 Holiday Hill Road	Address.	
City, State ZIP	Midland TX 79707	City State ZIP	
Phone	432-687-1777	Email	granth@forl.com / addisong@forl.com

Work Order Comments

Program UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables EDD ☐ ADaPT ☐ Other

Project Name	DENTON #5 SWD	Turn Around	☐ Routine ☒ Rush
Project Number		Due Date	3 DAY
Project Location	LEA Co. NM	TAT starts the day received by the lab if received by 4 30pm	
Sampler's Name	Addison Guelker		
PO #			

SAMPLE RECEIPT			
Temp Blank	Yes No	Wet Ice	Yes No
Samples Received Intact.	Yes No	Thermometer ID	IR8
Cooler Custody Seals.	Yes No N/A	Correction Factor	-.20
Sample Custody Seals.	Yes No N/A	Temperature Reading	4.2
Total Containers		Corrected Temperature	4.4

Preservative Codes

None NO DI Water H_2O
Cool Cool MeOH Me
HCL HC HNO_3 HN
H_2SO_4 H_2 NaOH Na
H_3PO_4 HP
$NaHSO_4$ NABIS
$Na_2S_2O_3$ $NaSO_3$
Zn Acetate+NaOH Zn
NaOH+Ascorbic Acid SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	CL	EC	TPH 8015M	BTEX 8021B
BH1	S	9/29/22	8 47	2'	G	1		X		X	X
BH2	S		8 57		G	1					
BH3	S		9 07		G	1					
BH4	S		9 17		G	1					
BH5	S		9 27		G	1					
BH6	S		9 37		G	1					
	S										
	S										
	S										
	S										

880-19824 Chain of Custody

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg 1631 / 245 1 / 7470 / 7471

Notice Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed These terms will be enforced unless previously negotiated

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1		09/29/22 1553	2		
3			4		
5			6		

Revised Date 08/25/2020 Rev 2020 2

Received by OCD: 7/23/2025 5:18:16 PM
Released to Imaging: 8/27/2025 2:00:32 PM

Login Sample Receipt Checklist

Client: Fasken Oil and Ranch

Job Number: 880-19824-1
SDG Number: Lea Co, NM

Login Number: 19824
List Number: 1
Creator: Rodriguez, Leticia

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	
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	

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ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-19823-1
Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Denton #5 SWD

For:
Fasken Oil and Ranch
6101 Holiday HIll Road
Midland, Texas 79707

Attn: Grant Huckabay

JKramer

Authorized for release by:
10/5/2022 10:19:19 AM

Jessica Kramer, Project Manager
(432)704-5440
Jessica.Kramer@et.eurofinsus.com

LINKS
Review your project results through my EOL
Have a Question? Ask The Expert
Visit us at: www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Laboratory Job ID: 880-19823-1
SDG: Lea Co, NM

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Definitions/Glossary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19823-1
SDG: Lea Co, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low 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.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19823-1
SDG: Lea Co, NM

Job ID: 880-19823-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-19823-1

Receipt
The samples were received on 9/29/2022 3:53 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 4.4°C

Receipt Exceptions
The following samples analyzed for method <FRACTION_METHOD> were received and analyzed from an unpreserved bulk soil jar: BH1 (880-19823-1), BH2 (880-19823-2), BH3 (880-19823-3), BH4 (880-19823-4), BH5 (880-19823-5) and BH6 (880-19823-6).

GC VOA
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: Surrogate recovery for the following samples were outside control limits: (880-19829-A-1-B) and (880-19829-A-1-C MS). 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.

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-35802 and analytical batch 880-35924 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19823-1
SDG: Lea Co, NM

Client Sample ID: BH1

Lab Sample ID: 880-19823-1
Matrix: Solid
Date Collected: 09/29/22 08:48
Date Received: 09/29/22 15:53
Sample Depth: 3'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/04/22 20:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/04/22 20:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/04/22 20:12	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/30/22 14:23	10/04/22 20:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/04/22 20:12	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/30/22 14:23	10/04/22 20:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*09/30/22 14:23*	*10/04/22 20:12*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*09/30/22 14:23*	*10/04/22 20:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/05/22 10:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/03/22 11:45	1

Method: SW846 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		09/30/22 08:55	09/30/22 15:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/22 08:55	09/30/22 15:14	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/22 08:55	09/30/22 15:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*09/30/22 08:55*	*09/30/22 15:14*	*1*
o-Terphenyl	*94*		*70 - 130*	*09/30/22 08:55*	*09/30/22 15:14*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1750**	**F1**	24.8		mg/Kg			10/03/22 08:59	5

Client Sample ID: BH2

Lab Sample ID: 880-19823-2
Matrix: Solid
Date Collected: 09/29/22 08:58
Date Received: 09/29/22 15:53
Sample Depth: 3'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/30/22 14:23	10/04/22 20:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/30/22 14:23	10/04/22 20:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/30/22 14:23	10/04/22 20:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/30/22 14:23	10/04/22 20:32	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/30/22 14:23	10/04/22 20:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/30/22 14:23	10/04/22 20:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*09/30/22 14:23*	*10/04/22 20:32*	*1*

Eurofins Midland

Client Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19823-1
SDG: Lea Co, NM

Client Sample ID: BH2

Lab Sample ID: 880-19823-2
Matrix: Solid
Date Collected: 09/29/22 08:58
Date Received: 09/29/22 15:53
Sample Depth: 3'

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*09/30/22 14:23*	*10/04/22 20:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/05/22 10:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/03/22 11:45	1

Method: SW846 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		09/30/22 08:55	09/30/22 15:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/30/22 08:55	09/30/22 15:36	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/30/22 08:55	09/30/22 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*09/30/22 08:55*	*09/30/22 15:36*	*1*
o-Terphenyl	*94*		*70 - 130*	*09/30/22 08:55*	*09/30/22 15:36*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**733**		25.0		mg/Kg			10/03/22 09:14	5

Client Sample ID: BH3

Lab Sample ID: 880-19823-3
Matrix: Solid
Date Collected: 09/29/22 09:08
Date Received: 09/29/22 15:53
Sample Depth: 3'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/04/22 20:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/04/22 20:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/04/22 20:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/30/22 14:23	10/04/22 20:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/04/22 20:53	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/30/22 14:23	10/04/22 20:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*09/30/22 14:23*	*10/04/22 20:53*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*09/30/22 14:23*	*10/04/22 20:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/05/22 10:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/03/22 11:45	1

Eurofins Midland

Client Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19823-1
SDG: Lea Co, NM

Client Sample ID: BH3

Lab Sample ID: 880-19823-3
Matrix: Solid
Date Collected: 09/29/22 09:08
Date Received: 09/29/22 15:53
Sample Depth: 3'

Method: SW846 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		09/30/22 08:55	09/30/22 15:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/30/22 08:55	09/30/22 15:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/30/22 08:55	09/30/22 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*09/30/22 08:55*	*09/30/22 15:57*	*1*
o-Terphenyl	*94*		*70 - 130*	*09/30/22 08:55*	*09/30/22 15:57*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2580**		25.0		mg/Kg			10/03/22 09:19	5

Client Sample ID: BH4

Lab Sample ID: 880-19823-4
Matrix: Solid
Date Collected: 09/29/22 09:18
Date Received: 09/29/22 15:53
Sample Depth: 3'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/30/22 14:23	10/04/22 21:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/30/22 14:23	10/04/22 21:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/30/22 14:23	10/04/22 21:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/30/22 14:23	10/04/22 21:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/30/22 14:23	10/04/22 21:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/30/22 14:23	10/04/22 21:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*09/30/22 14:23*	*10/04/22 21:13*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*09/30/22 14:23*	*10/04/22 21:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/05/22 10:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/03/22 11:45	1

Method: SW846 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		09/30/22 08:55	09/30/22 16:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/30/22 08:55	09/30/22 16:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/30/22 08:55	09/30/22 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*09/30/22 08:55*	*09/30/22 16:18*	*1*
o-Terphenyl	*90*		*70 - 130*	*09/30/22 08:55*	*09/30/22 16:18*	*1*

Client Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19823-1
SDG: Lea Co, NM

Client Sample ID: BH4

Lab Sample ID: 880-19823-4
Matrix: Solid
Date Collected: 09/29/22 09:18
Date Received: 09/29/22 15:53
Sample Depth: 3'

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	316		4.96		mg/Kg			10/03/22 09:23	1

Client Sample ID: BH5

Lab Sample ID: 880-19823-5
Matrix: Solid
Date Collected: 09/29/22 09:28
Date Received: 09/29/22 15:53
Sample Depth: 3'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/30/22 14:23	10/04/22 21:34	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/30/22 14:23	10/04/22 21:34	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/30/22 14:23	10/04/22 21:34	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/30/22 14:23	10/04/22 21:34	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/30/22 14:23	10/04/22 21:34	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/30/22 14:23	10/04/22 21:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*09/30/22 14:23*	*10/04/22 21:34*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*09/30/22 14:23*	*10/04/22 21:34*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/05/22 10:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/03/22 11:45	1

Method: SW846 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		09/30/22 08:55	09/30/22 16:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/22 08:55	09/30/22 16:40	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/22 08:55	09/30/22 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*09/30/22 08:55*	*09/30/22 16:40*	*1*
o-Terphenyl	*103*		*70 - 130*	*09/30/22 08:55*	*09/30/22 16:40*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	442		5.01		mg/Kg			10/03/22 09:28	1

Client Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19823-1
SDG: Lea Co, NM

Client Sample ID: BH6

Date Collected: 09/29/22 09:38
Date Received: 09/29/22 15:53
Sample Depth: 3'

Lab Sample ID: 880-19823-6

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/04/22 21:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/04/22 21:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/04/22 21:54	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/30/22 14:23	10/04/22 21:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/04/22 21:54	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/30/22 14:23	10/04/22 21:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*09/30/22 14:23*	*10/04/22 21:54*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*09/30/22 14:23*	*10/04/22 21:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/05/22 10:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/03/22 11:45	1

Method: SW846 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		09/30/22 08:55	09/30/22 17:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/30/22 08:55	09/30/22 17:01	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/30/22 08:55	09/30/22 17:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*09/30/22 08:55*	*09/30/22 17:01*	*1*
o-Terphenyl	*88*		*70 - 130*	*09/30/22 08:55*	*09/30/22 17:01*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**255**		5.02		mg/Kg			10/03/22 09:43	1

Surrogate Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19823-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-19823-1	BH1	111	100
880-19823-1 MS	BH1	115	108
880-19823-1 MSD	BH1	112	104
880-19823-2	BH2	111	106
880-19823-3	BH3	114	108
880-19823-4	BH4	117	106
880-19823-5	BH5	114	102
880-19823-6	BH6	115	102
LCS 880-35822/1-A	Lab Control Sample	108	102
LCSD 880-35822/2-A	Lab Control Sample Dup	108	102
MB 880-35822/5-A	Method Blank	103	112

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-19823-1	BH1	89	94
880-19823-2	BH2	91	94
880-19823-3	BH3	90	94
880-19823-4	BH4	86	90
880-19823-5	BH5	96	103
880-19823-6	BH6	84	88
880-19829-A-1-C MS	Matrix Spike	74	67 S1-
880-19829-A-1-D MSD	Matrix Spike Duplicate	78	73
LCS 880-35755/2-A	Lab Control Sample	107	113
LCSD 880-35755/3-A	Lab Control Sample Dup	101	101
MB 880-35755/1-A	Method Blank	104	113

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19823-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-35822/5-A
Matrix: Solid
Analysis Batch: 36069

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 35822

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/04/22 19:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/04/22 19:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/04/22 19:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/30/22 14:23	10/04/22 19:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:23	10/04/22 19:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/30/22 14:23	10/04/22 19:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*09/30/22 14:23*	*10/04/22 19:43*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*09/30/22 14:23*	*10/04/22 19:43*	*1*

Lab Sample ID: LCS 880-35822/1-A
Matrix: Solid
Analysis Batch: 36069

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35822

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09822		mg/Kg		98	70 - 130
Toluene	0.100	0.1046		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.1051		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	0.200	0.2088		mg/Kg		104	70 - 130
o-Xylene	0.100	0.1021		mg/Kg		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-35822/2-A
Matrix: Solid
Analysis Batch: 36069

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 35822

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08416		mg/Kg		84	70 - 130	15	35
Toluene	0.100	0.08894		mg/Kg		89	70 - 130	16	35
Ethylbenzene	0.100	0.08921		mg/Kg		89	70 - 130	16	35
m-Xylene & p-Xylene	0.200	0.1794		mg/Kg		90	70 - 130	15	35
o-Xylene	0.100	0.08941		mg/Kg		89	70 - 130	13	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-19823-1 MS
Matrix: Solid
Analysis Batch: 36069

Client Sample ID: BH1
Prep Type: Total/NA
Prep Batch: 35822

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.09243		mg/Kg		93	70 - 130
Toluene	<0.00200	U	0.0998	0.09415		mg/Kg		94	70 - 130

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19823-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-19823-1 MS
Matrix: Solid
Analysis Batch: 36069

Client Sample ID: BH1
Prep Type: Total/NA
Prep Batch: 35822

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.0998	0.09096		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1819		mg/Kg		91	70 - 130
o-Xylene	<0.00200	U	0.0998	0.08940		mg/Kg		90	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: 880-19823-1 MSD
Matrix: Solid
Analysis Batch: 36069

Client Sample ID: BH1
Prep Type: Total/NA
Prep Batch: 35822

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.08515		mg/Kg		86	70 - 130	8	35
Toluene	<0.00200	U	0.0990	0.08949		mg/Kg		90	70 - 130	5	35
Ethylbenzene	<0.00200	U	0.0990	0.08762		mg/Kg		88	70 - 130	4	35
m-Xylene & p-Xylene	<0.00401	U	0.198	0.1764		mg/Kg		89	70 - 130	3	35
o-Xylene	<0.00200	U	0.0990	0.08698		mg/Kg		88	70 - 130	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

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

Lab Sample ID: MB 880-35755/1-A
Matrix: Solid
Analysis Batch: 35738

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 35755

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		09/30/22 08:55	09/30/22 09:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/22 08:55	09/30/22 09:28	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/22 08:55	09/30/22 09:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*09/30/22 08:55*	*09/30/22 09:28*	*1*
o-Terphenyl	*113*		*70 - 130*	*09/30/22 08:55*	*09/30/22 09:28*	*1*

Lab Sample ID: LCS 880-35755/2-A
Matrix: Solid
Analysis Batch: 35738

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35755

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1023		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	1000	995.8		mg/Kg		100	70 - 130

Eurofins Midland

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19823-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-35755/2-A
Matrix: Solid
Analysis Batch: 35738

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35755

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	113		70 - 130

Lab Sample ID: LCSD 880-35755/3-A
Matrix: Solid
Analysis Batch: 35738

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 35755

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	939.2		mg/Kg		94	70 - 130	9	20
Diesel Range Organics (Over C10-C28)			1000	896.6		mg/Kg		90	70 - 130	10	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	101		70 - 130

Lab Sample ID: 880-19829-A-1-C MS
Matrix: Solid
Analysis Batch: 35738

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 35755

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	727.0		mg/Kg		71	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	998	758.3		mg/Kg		74	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	74		70 - 130
o-Terphenyl	67	S1-	70 - 130

Lab Sample ID: 880-19829-A-1-D MSD
Matrix: Solid
Analysis Batch: 35738

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 35755

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	<50.0	U	999	731.1		mg/Kg		72	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	827.6		mg/Kg		81	70 - 130	9	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	78		70 - 130
o-Terphenyl	73		70 - 130

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19823-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-35802/1-A
Matrix: Solid
Analysis Batch: 35924

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			10/03/22 08:45	1

Lab Sample ID: LCS 880-35802/2-A
Matrix: Solid
Analysis Batch: 35924

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	242.9		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-35802/3-A
Matrix: Solid
Analysis Batch: 35924

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	267.5		mg/Kg		107	90 - 110	10	20

Lab Sample ID: 880-19823-1 MS
Matrix: Solid
Analysis Batch: 35924

Client Sample ID: BH1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1750	F1	1240	2742	F1	mg/Kg		80	90 - 110		

Lab Sample ID: 880-19823-1 MSD
Matrix: Solid
Analysis Batch: 35924

Client Sample ID: BH1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1750	F1	1240	2859		mg/Kg		90	90 - 110	4	20

QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19823-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 35822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19823-1	BH1	Total/NA	Solid	5035	
880-19823-2	BH2	Total/NA	Solid	5035	
880-19823-3	BH3	Total/NA	Solid	5035	
880-19823-4	BH4	Total/NA	Solid	5035	
880-19823-5	BH5	Total/NA	Solid	5035	
880-19823-6	BH6	Total/NA	Solid	5035	
MB 880-35822/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-35822/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-35822/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-19823-1 MS	BH1	Total/NA	Solid	5035	
880-19823-1 MSD	BH1	Total/NA	Solid	5035	

Analysis Batch: 36069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19823-1	BH1	Total/NA	Solid	8021B	35822
880-19823-2	BH2	Total/NA	Solid	8021B	35822
880-19823-3	BH3	Total/NA	Solid	8021B	35822
880-19823-4	BH4	Total/NA	Solid	8021B	35822
880-19823-5	BH5	Total/NA	Solid	8021B	35822
880-19823-6	BH6	Total/NA	Solid	8021B	35822
MB 880-35822/5-A	Method Blank	Total/NA	Solid	8021B	35822
LCS 880-35822/1-A	Lab Control Sample	Total/NA	Solid	8021B	35822
LCSD 880-35822/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	35822
880-19823-1 MS	BH1	Total/NA	Solid	8021B	35822
880-19823-1 MSD	BH1	Total/NA	Solid	8021B	35822

Analysis Batch: 36160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19823-1	BH1	Total/NA	Solid	Total BTEX	
880-19823-2	BH2	Total/NA	Solid	Total BTEX	
880-19823-3	BH3	Total/NA	Solid	Total BTEX	
880-19823-4	BH4	Total/NA	Solid	Total BTEX	
880-19823-5	BH5	Total/NA	Solid	Total BTEX	
880-19823-6	BH6	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 35738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19823-1	BH1	Total/NA	Solid	8015B NM	35755
880-19823-2	BH2	Total/NA	Solid	8015B NM	35755
880-19823-3	BH3	Total/NA	Solid	8015B NM	35755
880-19823-4	BH4	Total/NA	Solid	8015B NM	35755
880-19823-5	BH5	Total/NA	Solid	8015B NM	35755
880-19823-6	BH6	Total/NA	Solid	8015B NM	35755
MB 880-35755/1-A	Method Blank	Total/NA	Solid	8015B NM	35755
LCS 880-35755/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	35755
LCSD 880-35755/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	35755
880-19829-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	35755
880-19829-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	35755

QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19823-1
SDG: Lea Co, NM

GC Semi VOA

Prep Batch: 35755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19823-1	BH1	Total/NA	Solid	8015NM Prep	
880-19823-2	BH2	Total/NA	Solid	8015NM Prep	
880-19823-3	BH3	Total/NA	Solid	8015NM Prep	
880-19823-4	BH4	Total/NA	Solid	8015NM Prep	
880-19823-5	BH5	Total/NA	Solid	8015NM Prep	
880-19823-6	BH6	Total/NA	Solid	8015NM Prep	
MB 880-35755/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-35755/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-35755/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-19829-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-19829-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 35976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19823-1	BH1	Total/NA	Solid	8015 NM	
880-19823-2	BH2	Total/NA	Solid	8015 NM	
880-19823-3	BH3	Total/NA	Solid	8015 NM	
880-19823-4	BH4	Total/NA	Solid	8015 NM	
880-19823-5	BH5	Total/NA	Solid	8015 NM	
880-19823-6	BH6	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 35802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19823-1	BH1	Soluble	Solid	DI Leach	
880-19823-2	BH2	Soluble	Solid	DI Leach	
880-19823-3	BH3	Soluble	Solid	DI Leach	
880-19823-4	BH4	Soluble	Solid	DI Leach	
880-19823-5	BH5	Soluble	Solid	DI Leach	
880-19823-6	BH6	Soluble	Solid	DI Leach	
MB 880-35802/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-35802/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-35802/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-19823-1 MS	BH1	Soluble	Solid	DI Leach	
880-19823-1 MSD	BH1	Soluble	Solid	DI Leach	

Analysis Batch: 35924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19823-1	BH1	Soluble	Solid	300.0	35802
880-19823-2	BH2	Soluble	Solid	300.0	35802
880-19823-3	BH3	Soluble	Solid	300.0	35802
880-19823-4	BH4	Soluble	Solid	300.0	35802
880-19823-5	BH5	Soluble	Solid	300.0	35802
880-19823-6	BH6	Soluble	Solid	300.0	35802
MB 880-35802/1-A	Method Blank	Soluble	Solid	300.0	35802
LCS 880-35802/2-A	Lab Control Sample	Soluble	Solid	300.0	35802
LCSD 880-35802/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	35802
880-19823-1 MS	BH1	Soluble	Solid	300.0	35802
880-19823-1 MSD	BH1	Soluble	Solid	300.0	35802

Lab Chronicle

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19823-1
SDG: Lea Co, NM

Client Sample ID: BH1

Lab Sample ID: 880-19823-1
Matrix: Solid
Date Collected: 09/29/22 08:48
Date Received: 09/29/22 15:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	35822	09/30/22 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36069	10/04/22 20:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36160	10/05/22 10:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			35976	10/03/22 11:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	35755	09/30/22 08:55	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35738	09/30/22 15:14	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	35802	09/30/22 10:54	SMC	EET MID
Soluble	Analysis	300.0		5			35924	10/03/22 08:59	CH	EET MID

Client Sample ID: BH2

Lab Sample ID: 880-19823-2
Matrix: Solid
Date Collected: 09/29/22 08:58
Date Received: 09/29/22 15:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	35822	09/30/22 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36069	10/04/22 20:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36160	10/05/22 10:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			35976	10/03/22 11:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	35755	09/30/22 08:55	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35738	09/30/22 15:36	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	35802	09/30/22 10:54	SMC	EET MID
Soluble	Analysis	300.0		5			35924	10/03/22 09:14	CH	EET MID

Client Sample ID: BH3

Lab Sample ID: 880-19823-3
Matrix: Solid
Date Collected: 09/29/22 09:08
Date Received: 09/29/22 15:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	35822	09/30/22 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36069	10/04/22 20:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36160	10/05/22 10:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			35976	10/03/22 11:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	35755	09/30/22 08:55	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35738	09/30/22 15:57	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	35802	09/30/22 10:54	SMC	EET MID
Soluble	Analysis	300.0		5			35924	10/03/22 09:19	CH	EET MID

Client Sample ID: BH4

Lab Sample ID: 880-19823-4
Matrix: Solid
Date Collected: 09/29/22 09:18
Date Received: 09/29/22 15:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	35822	09/30/22 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36069	10/04/22 21:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36160	10/05/22 10:47	SM	EET MID

Lab Chronicle

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19823-1
SDG: Lea Co, NM

Client Sample ID: BH4

Lab Sample ID: 880-19823-4
Matrix: Solid
Date Collected: 09/29/22 09:18
Date Received: 09/29/22 15:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			35976	10/03/22 11:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	35755	09/30/22 08:55	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35738	09/30/22 16:18	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	35802	09/30/22 10:54	SMC	EET MID
Soluble	Analysis	300.0		1			35924	10/03/22 09:23	CH	EET MID

Client Sample ID: BH5

Lab Sample ID: 880-19823-5
Matrix: Solid
Date Collected: 09/29/22 09:28
Date Received: 09/29/22 15:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	35822	09/30/22 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36069	10/04/22 21:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36160	10/05/22 10:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			35976	10/03/22 11:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35755	09/30/22 08:55	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35738	09/30/22 16:40	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	35802	09/30/22 10:54	SMC	EET MID
Soluble	Analysis	300.0		1			35924	10/03/22 09:28	CH	EET MID

Client Sample ID: BH6

Lab Sample ID: 880-19823-6
Matrix: Solid
Date Collected: 09/29/22 09:38
Date Received: 09/29/22 15:53

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	35822	09/30/22 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36069	10/04/22 21:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36160	10/05/22 10:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			35976	10/03/22 11:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	35755	09/30/22 08:55	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35738	09/30/22 17:01	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	35802	09/30/22 10:54	SMC	EET MID
Soluble	Analysis	300.0		1			35924	10/03/22 09:43	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19823-1
SDG: Lea Co, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19823-1
SDG: Lea Co, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19823-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-19823-1	BH1	Solid	09/29/22 08:48	09/29/22 15:53	3'
880-19823-2	BH2	Solid	09/29/22 08:58	09/29/22 15:53	3'
880-19823-3	BH3	Solid	09/29/22 09:08	09/29/22 15:53	3'
880-19823-4	BH4	Solid	09/29/22 09:18	09/29/22 15:53	3'
880-19823-5	BH5	Solid	09/29/22 09:28	09/29/22 15:53	3'
880-19823-6	BH6	Solid	09/29/22 09:38	09/29/22 15:53	3'

Released to Imaging: 8/27/2025 2:00:32 PM

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Chain of Custody

Houston TX (281) 240-4200 Dallas TX (214) 902-0300
Midland TX (432) 704-5440 San Antonio TX (210) 509-3334
EL Paso TX (915) 585-3443 Lubbock TX (806) 794-1296
Hobbs NM (575) 392 7550 Carlsbad NM (575) 988-3199

Work Order No: 19823

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Project Manager	Grant Huckabay	Bill to (if different)	
Company Name	Fasken Oil and Ranch	Company Name	
Address	6101 Holiday Hill Road	Address	
City, State ZIP	Midland TX 79707	City, State ZIP	
Phone	432-687-1777	Email	granth@forl.com / addisong@forl.com

Work Order Comments

Program UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables EDD ☐ ADaPT ☐ Other

Project Name	DENTON #5 SWD	Turn Around	☐ Routine ☒ Rush
Project Number		Due Date	3 DAY
Project Location	LEA Co. NM	TAT starts the day received by the lab if received by 4.30pm	
Sampler's Name	Addison Guelker		
PO #:			

SAMPLE RECEIPT			
Temp Blank	Yes (No)	Wet Ice	(Yes) No
Samples Received Intact.	(Yes) No	Thermometer ID	IR8
Cooler Custody Seals.	Yes No (N/A)	Correction Factor	-.20
Sample Custody Seals	Yes No (N/A)	Temperature Reading	4-2
Total Containers		Corrected Temperature	4-4

Preservative Codes

None NO; DI Water H_2O
Cool Cool; MeOH Me
HCL HC; HNO_3 HN
H_2SO_4 H_2; NaOH Na
H_3PO_4 HP
$NaHSO_4$ NABIS
$Na_2S_2O_3$ $NaSO_3$
Zn Acetate+NaOH Zn
NaOH+Ascorbic Acid SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	CL	EC	TPH 8015M	BTEX 8021B
BH1	S	9/29/22	8 48	2'	G	1		X		X	X
BH2	S		8 58		G	1					
BH3	S		9 08		G	1					
BH4	S		9 18		G	1					
BH5	S		9.28		G	1					
BH6	S		9.38		G	1					
	S										
	S										
	S										
	S										

Sample Comments

880-19823 Chain of Custody

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg 1631 / 245.1 / 7470 / 7471

Notice Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1		9/29/22	2		
3		1553	4		
5			6		

Revised Date 08/25/2020 Rev 2020.2

Received by OCD: 7/23/2025 5:18:16 PM
Released to Imaging: 8/27/2025 2:00:32 PM

Login Sample Receipt Checklist

Client: Fasken Oil and Ranch

Job Number: 880-19823-1
SDG Number: Lea Co, NM

Login Number: 19823
List Number: 1
Creator: Rodriguez, Leticia

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	
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	

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ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-19827-1
Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Denton #5 SWD

For:
Fasken Oil and Ranch
6101 Holiday HIll Road
Midland, Texas 79707

Attn: Grant Huckabay

JKramer

Authorized for release by:
10/4/2022 8:03:40 PM

Jessica Kramer, Project Manager
(432)704-5440
Jessica.Kramer@et.eurofinsus.com

LINKS
Review your project results through my EOL
Have a Question? Ask The Expert
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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: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Laboratory Job ID: 880-19827-1
SDG: Lea Co, NM

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Definitions/Glossary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19827-1
SDG: Lea Co, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
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.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19827-1
SDG: Lea Co, NM

Job ID: 880-19827-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-19827-1

Receipt
The samples were received on 9/29/2022 4:15 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 4.4°C

Receipt Exceptions
The following samples analyzed for method <FRACTION_METHOD> were received and analyzed from an unpreserved bulk soil jar: BH1 (880-19827-1), BH2 (880-19827-2), BH3 (880-19827-3), BH4 (880-19827-4), BH5 (880-19827-5) and BH6 (880-19827-6).

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

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-35803 and analytical batch 880-35998 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-35803 and analytical batch 880-35998 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19827-1
SDG: Lea Co, NM

Client Sample ID: BH1

Lab Sample ID: 880-19827-1
Matrix: Solid
Date Collected: 09/29/22 08:49
Date Received: 09/29/22 16:15
Sample Depth: 4'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:51	10/04/22 18:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:51	10/04/22 18:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:51	10/04/22 18:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/30/22 14:51	10/04/22 18:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:51	10/04/22 18:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/30/22 14:51	10/04/22 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*09/30/22 14:51*	*10/04/22 18:07*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*09/30/22 14:51*	*10/04/22 18:07*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/04/22 20:54	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/03/22 11:47	1

Method: SW846 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		09/30/22 15:02	10/01/22 12:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/22 15:02	10/01/22 12:57	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/22 15:02	10/01/22 12:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*09/30/22 15:02*	*10/01/22 12:57*	*1*
o-Terphenyl	*110*		*70 - 130*	*09/30/22 15:02*	*10/01/22 12:57*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2280**		24.8		mg/Kg			10/03/22 16:43	5

Client Sample ID: BH2

Lab Sample ID: 880-19827-2
Matrix: Solid
Date Collected: 09/29/22 08:59
Date Received: 09/29/22 16:15
Sample Depth: 4'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/30/22 14:51	10/04/22 18:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/30/22 14:51	10/04/22 18:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/30/22 14:51	10/04/22 18:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/30/22 14:51	10/04/22 18:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/30/22 14:51	10/04/22 18:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/30/22 14:51	10/04/22 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*09/30/22 14:51*	*10/04/22 18:28*	*1*

Client Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19827-1
SDG: Lea Co, NM

Client Sample ID: BH2

Lab Sample ID: 880-19827-2
Matrix: Solid
Date Collected: 09/29/22 08:59
Date Received: 09/29/22 16:15
Sample Depth: 4'

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*09/30/22 14:51*	*10/04/22 18:28*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/04/22 20:54	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/03/22 11:47	1

Method: SW846 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		09/30/22 15:02	10/01/22 14:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/30/22 15:02	10/01/22 14:01	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/30/22 15:02	10/01/22 14:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*84*		*70 - 130*	*09/30/22 15:02*	*10/01/22 14:01*	*1*
o-Terphenyl	*94*		*70 - 130*	*09/30/22 15:02*	*10/01/22 14:01*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**761**		4.96		mg/Kg			10/03/22 16:58	1

Client Sample ID: BH3

Lab Sample ID: 880-19827-3
Matrix: Solid
Date Collected: 09/29/22 09:09
Date Received: 09/29/22 16:15
Sample Depth: 4'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:51	10/04/22 18:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:51	10/04/22 18:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:51	10/04/22 18:49	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/30/22 14:51	10/04/22 18:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:51	10/04/22 18:49	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/30/22 14:51	10/04/22 18:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*09/30/22 14:51*	*10/04/22 18:49*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*09/30/22 14:51*	*10/04/22 18:49*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/04/22 20:54	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/03/22 11:47	1

Eurofins Midland

Client Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19827-1
SDG: Lea Co, NM

Client Sample ID: BH3

Lab Sample ID: 880-19827-3
Matrix: Solid
Date Collected: 09/29/22 09:09
Date Received: 09/29/22 16:15
Sample Depth: 4'

Method: SW846 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		09/30/22 15:02	10/01/22 14:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/30/22 15:02	10/01/22 14:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/30/22 15:02	10/01/22 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*09/30/22 15:02*	*10/01/22 14:23*	*1*
o-Terphenyl	*98*		*70 - 130*	*09/30/22 15:02*	*10/01/22 14:23*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1630**		50.4		mg/Kg			10/03/22 17:03	10

Client Sample ID: BH4

Lab Sample ID: 880-19827-4
Matrix: Solid
Date Collected: 09/29/22 09:19
Date Received: 09/29/22 16:15
Sample Depth: 4'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:51	10/04/22 19:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:51	10/04/22 19:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:51	10/04/22 19:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/30/22 14:51	10/04/22 19:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:51	10/04/22 19:10	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/30/22 14:51	10/04/22 19:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*09/30/22 14:51*	*10/04/22 19:10*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*09/30/22 14:51*	*10/04/22 19:10*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/04/22 20:54	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/03/22 11:47	1

Method: SW846 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		09/30/22 15:02	10/01/22 14:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/30/22 15:02	10/01/22 14:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/30/22 15:02	10/01/22 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*09/30/22 15:02*	*10/01/22 14:44*	*1*
o-Terphenyl	*90*		*70 - 130*	*09/30/22 15:02*	*10/01/22 14:44*	*1*

Client Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19827-1
SDG: Lea Co, NM

Client Sample ID: BH4

Lab Sample ID: 880-19827-4
Matrix: Solid
Date Collected: 09/29/22 09:19
Date Received: 09/29/22 16:15
Sample Depth: 4'

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	518		4.99		mg/Kg			10/03/22 17:07	1

Client Sample ID: BH5

Lab Sample ID: 880-19827-5
Matrix: Solid
Date Collected: 09/29/22 09:29
Date Received: 09/29/22 16:15
Sample Depth: 4'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/30/22 14:51	10/04/22 19:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/30/22 14:51	10/04/22 19:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/30/22 14:51	10/04/22 19:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/30/22 14:51	10/04/22 19:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/30/22 14:51	10/04/22 19:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/30/22 14:51	10/04/22 19:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*09/30/22 14:51*	*10/04/22 19:30*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*09/30/22 14:51*	*10/04/22 19:30*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/04/22 20:54	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/03/22 11:47	1

Method: SW846 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		09/30/22 15:02	10/01/22 15:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/22 15:02	10/01/22 15:06	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/22 15:02	10/01/22 15:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*09/30/22 15:02*	*10/01/22 15:06*	*1*
o-Terphenyl	*107*		*70 - 130*	*09/30/22 15:02*	*10/01/22 15:06*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	572		24.9		mg/Kg			10/03/22 17:12	5

Client Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19827-1
SDG: Lea Co, NM

Client Sample ID: BH6

Date Collected: 09/29/22 09:39
Date Received: 09/29/22 16:15
Sample Depth: 4'

Lab Sample ID: 880-19827-6

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/30/22 14:51	10/04/22 19:51	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/30/22 14:51	10/04/22 19:51	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/30/22 14:51	10/04/22 19:51	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/30/22 14:51	10/04/22 19:51	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/30/22 14:51	10/04/22 19:51	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/30/22 14:51	10/04/22 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*09/30/22 14:51*	*10/04/22 19:51*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*09/30/22 14:51*	*10/04/22 19:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/04/22 20:54	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/03/22 11:47	1

Method: SW846 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		09/30/22 15:02	10/01/22 15:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/22 15:02	10/01/22 15:27	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/22 15:02	10/01/22 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*09/30/22 15:02*	*10/01/22 15:27*	*1*
o-Terphenyl	*106*		*70 - 130*	*09/30/22 15:02*	*10/01/22 15:27*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**322**		5.01		mg/Kg			10/03/22 17:17	1

Surrogate Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19827-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-19826-A-1-C MS	Matrix Spike	99	102
880-19826-A-1-D MSD	Matrix Spike Duplicate	96	98
880-19827-1	BH1	117	102
880-19827-2	BH2	122	102
880-19827-3	BH3	119	100
880-19827-4	BH4	123	102
880-19827-5	BH5	123	101
880-19827-6	BH6	121	100
LCS 880-35824/1-A	Lab Control Sample	83	93
LCSD 880-35824/2-A	Lab Control Sample Dup	87	98
MB 880-35824/5-A	Method Blank	94	82

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-19827-1	BH1	99	110
880-19827-1 MS	BH1	75	78
880-19827-1 MSD	BH1	74	76
880-19827-2	BH2	84	94
880-19827-3	BH3	85	98
880-19827-4	BH4	79	90
880-19827-5	BH5	97	107
880-19827-6	BH6	94	106
LCS 880-35829/2-A	Lab Control Sample	114	126
LCSD 880-35829/3-A	Lab Control Sample Dup	95	106
MB 880-35829/1-A	Method Blank	99	114

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19827-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-35824/5-A
Matrix: Solid
Analysis Batch: 36027

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 35824

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:51	10/04/22 11:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:51	10/04/22 11:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:51	10/04/22 11:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/30/22 14:51	10/04/22 11:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/30/22 14:51	10/04/22 11:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/30/22 14:51	10/04/22 11:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*09/30/22 14:51*	*10/04/22 11:52*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*09/30/22 14:51*	*10/04/22 11:52*	*1*

Lab Sample ID: LCS 880-35824/1-A
Matrix: Solid
Analysis Batch: 36027

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35824

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1004		mg/Kg		100	70 - 130
Toluene	0.100	0.1007		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.09668		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.2011		mg/Kg		101	70 - 130
o-Xylene	0.100	0.1002		mg/Kg		100	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: LCSD 880-35824/2-A
Matrix: Solid
Analysis Batch: 36027

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 35824

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1036		mg/Kg		104	70 - 130	3	35
Toluene	0.100	0.1037		mg/Kg		104	70 - 130	3	35
Ethylbenzene	0.100	0.09909		mg/Kg		99	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2058		mg/Kg		103	70 - 130	2	35
o-Xylene	0.100	0.1030		mg/Kg		103	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 880-19826-A-1-C MS
Matrix: Solid
Analysis Batch: 36027

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 35824

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.09434		mg/Kg		94	70 - 130
Toluene	<0.00201	U	0.100	0.09769		mg/Kg		97	70 - 130

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19827-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-19826-A-1-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 36027 — **Prep Batch: 35824**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.09359		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1989		mg/Kg		99	70 - 130
o-Xylene	<0.00201	U	0.100	0.1003		mg/Kg		100	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-19826-A-1-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 36027 — **Prep Batch: 35824**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0998	0.09755		mg/Kg		98	70 - 130	3	35
Toluene	<0.00201	U	0.0998	0.09855		mg/Kg		98	70 - 130	1	35
Ethylbenzene	<0.00201	U	0.0998	0.09317		mg/Kg		93	70 - 130	0	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1943		mg/Kg		97	70 - 130	2	35
o-Xylene	<0.00201	U	0.0998	0.09791		mg/Kg		98	70 - 130	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

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

Lab Sample ID: MB 880-35829/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35865 — **Prep Batch: 35829**

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		09/30/22 15:02	10/01/22 11:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/22 15:02	10/01/22 11:52	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/22 15:02	10/01/22 11:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*09/30/22 15:02*	*10/01/22 11:52*	*1*
o-Terphenyl	*114*		*70 - 130*	*09/30/22 15:02*	*10/01/22 11:52*	*1*

Lab Sample ID: LCS 880-35829/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35865 — **Prep Batch: 35829**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	876.7		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1098		mg/Kg		110	70 - 130

Eurofins Midland

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19827-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-35829/2-A
Matrix: Solid
Analysis Batch: 35865

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35829

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	126		70 - 130

Lab Sample ID: LCSD 880-35829/3-A
Matrix: Solid
Analysis Batch: 35865

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 35829

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	981.2		mg/Kg		98	70 - 130	11	20
Diesel Range Organics (Over C10-C28)			1000	907.5		mg/Kg		91	70 - 130	19	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	106		70 - 130

Lab Sample ID: 880-19827-1 MS
Matrix: Solid
Analysis Batch: 35865

Client Sample ID: BH1
Prep Type: Total/NA
Prep Batch: 35829

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	993.8		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	998	850.4		mg/Kg		83	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	75		70 - 130
o-Terphenyl	78		70 - 130

Lab Sample ID: 880-19827-1 MSD
Matrix: Solid
Analysis Batch: 35865

Client Sample ID: BH1
Prep Type: Total/NA
Prep Batch: 35829

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	<50.0	U	999	979.4		mg/Kg		96	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	836.8		mg/Kg		82	70 - 130	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	74		70 - 130
o-Terphenyl	76		70 - 130

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19827-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-35803/1-A
Matrix: Solid
Analysis Batch: 35998

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			10/03/22 15:59	1

Lab Sample ID: LCS 880-35803/2-A
Matrix: Solid
Analysis Batch: 35998

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	243.8		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-35803/3-A
Matrix: Solid
Analysis Batch: 35998

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	245.3		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 880-19826-A-3-B MS
Matrix: Solid
Analysis Batch: 35998

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1640	F1	1260	2744	F1	mg/Kg		88	90 - 110		

Lab Sample ID: 880-19826-A-3-C MSD
Matrix: Solid
Analysis Batch: 35998

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1640	F1	1260	2751	F1	mg/Kg		89	90 - 110	0	20

Lab Sample ID: 880-19828-A-1-C MS
Matrix: Solid
Analysis Batch: 35998

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	251	F1	252	456.8	F1	mg/Kg		82	90 - 110		

Lab Sample ID: 880-19828-A-1-D MSD
Matrix: Solid
Analysis Batch: 35998

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	251	F1	252	457.2	F1	mg/Kg		82	90 - 110	0	20

QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19827-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 35824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19827-1	BH1	Total/NA	Solid	5035	
880-19827-2	BH2	Total/NA	Solid	5035	
880-19827-3	BH3	Total/NA	Solid	5035	
880-19827-4	BH4	Total/NA	Solid	5035	
880-19827-5	BH5	Total/NA	Solid	5035	
880-19827-6	BH6	Total/NA	Solid	5035	
MB 880-35824/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-35824/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-35824/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-19826-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-19826-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 36027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19827-1	BH1	Total/NA	Solid	8021B	35824
880-19827-2	BH2	Total/NA	Solid	8021B	35824
880-19827-3	BH3	Total/NA	Solid	8021B	35824
880-19827-4	BH4	Total/NA	Solid	8021B	35824
880-19827-5	BH5	Total/NA	Solid	8021B	35824
880-19827-6	BH6	Total/NA	Solid	8021B	35824
MB 880-35824/5-A	Method Blank	Total/NA	Solid	8021B	35824
LCS 880-35824/1-A	Lab Control Sample	Total/NA	Solid	8021B	35824
LCSD 880-35824/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	35824
880-19826-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	35824
880-19826-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	35824

Analysis Batch: 36112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19827-1	BH1	Total/NA	Solid	Total BTEX	
880-19827-2	BH2	Total/NA	Solid	Total BTEX	
880-19827-3	BH3	Total/NA	Solid	Total BTEX	
880-19827-4	BH4	Total/NA	Solid	Total BTEX	
880-19827-5	BH5	Total/NA	Solid	Total BTEX	
880-19827-6	BH6	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 35829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19827-1	BH1	Total/NA	Solid	8015NM Prep	
880-19827-2	BH2	Total/NA	Solid	8015NM Prep	
880-19827-3	BH3	Total/NA	Solid	8015NM Prep	
880-19827-4	BH4	Total/NA	Solid	8015NM Prep	
880-19827-5	BH5	Total/NA	Solid	8015NM Prep	
880-19827-6	BH6	Total/NA	Solid	8015NM Prep	
MB 880-35829/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-35829/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-35829/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-19827-1 MS	BH1	Total/NA	Solid	8015NM Prep	
880-19827-1 MSD	BH1	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19827-1
SDG: Lea Co, NM

GC Semi VOA

Analysis Batch: 35865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19827-1	BH1	Total/NA	Solid	8015B NM	35829
880-19827-2	BH2	Total/NA	Solid	8015B NM	35829
880-19827-3	BH3	Total/NA	Solid	8015B NM	35829
880-19827-4	BH4	Total/NA	Solid	8015B NM	35829
880-19827-5	BH5	Total/NA	Solid	8015B NM	35829
880-19827-6	BH6	Total/NA	Solid	8015B NM	35829
MB 880-35829/1-A	Method Blank	Total/NA	Solid	8015B NM	35829
LCS 880-35829/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	35829
LCSD 880-35829/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	35829
880-19827-1 MS	BH1	Total/NA	Solid	8015B NM	35829
880-19827-1 MSD	BH1	Total/NA	Solid	8015B NM	35829

Analysis Batch: 35984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19827-1	BH1	Total/NA	Solid	8015 NM	
880-19827-2	BH2	Total/NA	Solid	8015 NM	
880-19827-3	BH3	Total/NA	Solid	8015 NM	
880-19827-4	BH4	Total/NA	Solid	8015 NM	
880-19827-5	BH5	Total/NA	Solid	8015 NM	
880-19827-6	BH6	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 35803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19827-1	BH1	Soluble	Solid	DI Leach	
880-19827-2	BH2	Soluble	Solid	DI Leach	
880-19827-3	BH3	Soluble	Solid	DI Leach	
880-19827-4	BH4	Soluble	Solid	DI Leach	
880-19827-5	BH5	Soluble	Solid	DI Leach	
880-19827-6	BH6	Soluble	Solid	DI Leach	
MB 880-35803/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-35803/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-35803/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-19826-A-3-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-19826-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-19828-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-19828-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 35998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19827-1	BH1	Soluble	Solid	300.0	35803
880-19827-2	BH2	Soluble	Solid	300.0	35803
880-19827-3	BH3	Soluble	Solid	300.0	35803
880-19827-4	BH4	Soluble	Solid	300.0	35803
880-19827-5	BH5	Soluble	Solid	300.0	35803
880-19827-6	BH6	Soluble	Solid	300.0	35803
MB 880-35803/1-A	Method Blank	Soluble	Solid	300.0	35803
LCS 880-35803/2-A	Lab Control Sample	Soluble	Solid	300.0	35803
LCSD 880-35803/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	35803
880-19826-A-3-B MS	Matrix Spike	Soluble	Solid	300.0	35803

QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19827-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Analysis Batch: 35998 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19826-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	35803
880-19828-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	35803
880-19828-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	35803

Lab Chronicle

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19827-1
SDG: Lea Co, NM

Client Sample ID: BH1

Lab Sample ID: 880-19827-1
Matrix: Solid
Date Collected: 09/29/22 08:49
Date Received: 09/29/22 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	35824	09/30/22 14:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36027	10/04/22 18:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36112	10/04/22 20:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35984	10/03/22 11:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35829	09/30/22 15:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35865	10/01/22 12:57	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	35803	09/30/22 10:58	SMC	EET MID
Soluble	Analysis	300.0		5			35998	10/03/22 16:43	CH	EET MID

Client Sample ID: BH2

Lab Sample ID: 880-19827-2
Matrix: Solid
Date Collected: 09/29/22 08:59
Date Received: 09/29/22 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	35824	09/30/22 14:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36027	10/04/22 18:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36112	10/04/22 20:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35984	10/03/22 11:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	35829	09/30/22 15:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35865	10/01/22 14:01	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	35803	09/30/22 10:58	SMC	EET MID
Soluble	Analysis	300.0		1			35998	10/03/22 16:58	CH	EET MID

Client Sample ID: BH3

Lab Sample ID: 880-19827-3
Matrix: Solid
Date Collected: 09/29/22 09:09
Date Received: 09/29/22 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	35824	09/30/22 14:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36027	10/04/22 18:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36112	10/04/22 20:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35984	10/03/22 11:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	35829	09/30/22 15:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35865	10/01/22 14:23	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	35803	09/30/22 10:58	SMC	EET MID
Soluble	Analysis	300.0		10			35998	10/03/22 17:03	CH	EET MID

Client Sample ID: BH4

Lab Sample ID: 880-19827-4
Matrix: Solid
Date Collected: 09/29/22 09:19
Date Received: 09/29/22 16:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	35824	09/30/22 14:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36027	10/04/22 19:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36112	10/04/22 20:54	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19827-1
SDG: Lea Co, NM

Client Sample ID: BH4

Date Collected: 09/29/22 09:19
Date Received: 09/29/22 16:15

Lab Sample ID: 880-19827-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			35984	10/03/22 11:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	35829	09/30/22 15:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35865	10/01/22 14:44	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	35803	09/30/22 10:58	SMC	EET MID
Soluble	Analysis	300.0		1			35998	10/03/22 17:07	CH	EET MID

Client Sample ID: BH5

Date Collected: 09/29/22 09:29
Date Received: 09/29/22 16:15

Lab Sample ID: 880-19827-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	35824	09/30/22 14:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36027	10/04/22 19:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36112	10/04/22 20:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35984	10/03/22 11:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	35829	09/30/22 15:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35865	10/01/22 15:06	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	35803	09/30/22 10:58	SMC	EET MID
Soluble	Analysis	300.0		5			35998	10/03/22 17:12	CH	EET MID

Client Sample ID: BH6

Date Collected: 09/29/22 09:39
Date Received: 09/29/22 16:15

Lab Sample ID: 880-19827-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	35824	09/30/22 14:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36027	10/04/22 19:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			36112	10/04/22 20:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35984	10/03/22 11:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35829	09/30/22 15:02	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35865	10/01/22 15:27	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	35803	09/30/22 10:58	SMC	EET MID
Soluble	Analysis	300.0		1			35998	10/03/22 17:17	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19827-1
SDG: Lea Co, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19827-1
SDG: Lea Co, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19827-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-19827-1	BH1	Solid	09/29/22 08:49	09/29/22 16:15	4'
880-19827-2	BH2	Solid	09/29/22 08:59	09/29/22 16:15	4'
880-19827-3	BH3	Solid	09/29/22 09:09	09/29/22 16:15	4'
880-19827-4	BH4	Solid	09/29/22 09:19	09/29/22 16:15	4'
880-19827-5	BH5	Solid	09/29/22 09:29	09/29/22 16:15	4'
880-19827-6	BH6	Solid	09/29/22 09:39	09/29/22 16:15	4'

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440 San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad NM (575) 988-3199

Work Order No: 19827

www.xenco.com Page 1 of 1

Project Manager:	GRANT HUCKABAY	Bill to: (if different)	
Company Name:	FASKEN OIL AND RANCH, LTD	Company Name:	
Address:	6101 HOLIDAY HILL RD.	Address:	
City, State ZIP:	MIDLAND TX 79707	City, State ZIP:	
Phone	432-687-1777 Email	granth@forl.com, addisong@forl.com	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	DENTON #5 SWD	Turn Around	
Project Number:		☐ Routine ☒ Rush	
Project Location	LEA Co NM	Due Date	3 DAY
Sampler's Name:	Addison Gleeker	TAT starts the day received by the lab, if received by 4:30pm	
PO #			

SAMPLE RECEIPT	Temp Blank.	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No		Thermometer ID	IR8
Cooler Custody Seals.	Yes No N/A		Correction Factor:	-.20
Sample Custody Seals.	Yes No N/A		Temperature Reading	4.2
Total Containers:			Corrected Temperature:	4.0

ANALYSIS REQUEST

Preservative Codes

None NO DI Water H_2O
Cool Cool MeOH Me
HCL HC HNO_3 HN
H_2SO_4 H_2 NaOH Na
H_3PO_4 HP
$NaHSO_4$ NABIS
$Na_2S_2O_3$ $NaSO_3$
Zn Acetate+NaOH Zn
NaOH+Ascorbic Acid SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: Cl	TPH 8015M	BTEX 8021B	Sample Comments
BH1	S	9/29/22	8:49	4'	G	1		X	X	X	
BH2			8:59			1					
BH3			9:09			1					
BH4			9:19			1					
BH5			9:29			1					
BH6			9:39			1					

880-19827 Chain of Custody

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		9/29/22	2		
3		1610	4		
5			6		

Revised Date: 08/25/2020 Rev 2020.2

Received by OCD: 7/23/2025 5:18:16 PM
Page 23 of 24
10/4/2022
Released to Imaging: 8/27/2025 2:00:32 PM

Login Sample Receipt Checklist

Client: Fasken Oil and Ranch

Job Number: 880-19827-1
SDG Number: Lea Co, NM

Login Number: 19827
List Number: 1
Creator: Rodriguez, Leticia

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	
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	

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ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-19829-1
Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Denton #5 SWD

For:
Fasken Oil and Ranch
6101 Holiday HIll Road
Midland, Texas 79707

Attn: Grant Huckabay

JKramer

Authorized for release by:
10/4/2022 9:03:13 AM

Jessica Kramer, Project Manager
(432)704-5440
Jessica.Kramer@et.eurofinsus.com

LINKS
Review your project results through my EOL
Have a Question? Ask The Expert
Visit us at: www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Laboratory Job ID: 880-19829-1
SDG: Lea Co, NM

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Definitions/Glossary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19829-1
SDG: Lea Co, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low 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.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19829-1
SDG: Lea Co, NM

Job ID: 880-19829-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-19829-1

Receipt
The sample was received on 9/29/2022 4:10 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.4°C

Receipt Exceptions
The following samples analyzed for method <FRACTION_METHOD> were received and analyzed from an unpreserved bulk soil jar: BG (880-19829-1).

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-19347-A-7-G MSD). 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: Surrogate recovery for the following samples were outside control limits: BG (880-19829-1) and (880-19829-A-1-C MS). 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.

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-35803 and analytical batch 880-35998 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19829-1
SDG: Lea Co, NM

Client Sample ID: BG

Date Collected: 09/29/22 11:00
Date Received: 09/29/22 16:10
Sample Depth: 0-6"

Lab Sample ID: 880-19829-1

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/30/22 08:57	09/30/22 15:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/30/22 08:57	09/30/22 15:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/30/22 08:57	09/30/22 15:32	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/30/22 08:57	09/30/22 15:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/30/22 08:57	09/30/22 15:32	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/30/22 08:57	09/30/22 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*09/30/22 08:57*	*09/30/22 15:32*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*09/30/22 08:57*	*09/30/22 15:32*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/30/22 17:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/03/22 11:45	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		09/30/22 08:55	09/30/22 10:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/22 08:55	09/30/22 10:33	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/22 08:55	09/30/22 10:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*69*	*S1-*	*70 - 130*	*09/30/22 08:55*	*09/30/22 10:33*	*1*
o-Terphenyl	*68*	*S1-*	*70 - 130*	*09/30/22 08:55*	*09/30/22 10:33*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.1**		4.98		mg/Kg			10/03/22 17:56	1

Surrogate Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19829-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-19347-A-7-F MS	Matrix Spike	118	105
880-19347-A-7-G MSD	Matrix Spike Duplicate	133 S1+	102
880-19829-1	BG	102	73
LCS 880-35745/1-A	Lab Control Sample	120	102
LCSD 880-35745/2-A	Lab Control Sample Dup	128	95
MB 880-35745/5-A	Method Blank	104	87

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-19829-1	BG	69 S1-	68 S1-
880-19829-1 MS	BG	74	67 S1-
880-19829-1 MSD	BG	78	73
LCS 880-35755/2-A	Lab Control Sample	107	113
LCSD 880-35755/3-A	Lab Control Sample Dup	101	101
MB 880-35755/1-A	Method Blank	104	113

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19829-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-35745/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35744 — **Prep Batch: 35745**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/30/22 07:58	09/30/22 10:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/30/22 07:58	09/30/22 10:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/30/22 07:58	09/30/22 10:23	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/30/22 07:58	09/30/22 10:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/30/22 07:58	09/30/22 10:23	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/30/22 07:58	09/30/22 10:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*09/30/22 07:58*	*09/30/22 10:23*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*09/30/22 07:58*	*09/30/22 10:23*	*1*

Lab Sample ID: LCS 880-35745/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35744 — **Prep Batch: 35745**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08346		mg/Kg		83	70 - 130		
Toluene			0.100	0.07921		mg/Kg		79	70 - 130		
Ethylbenzene			0.100	0.08765		mg/Kg		88	70 - 130		
m-Xylene & p-Xylene			0.200	0.1803		mg/Kg		90	70 - 130		
o-Xylene			0.100	0.1018		mg/Kg		102	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-35745/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35744 — **Prep Batch: 35745**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.07504		mg/Kg		75	70 - 130	11	35
Toluene			0.100	0.08078		mg/Kg		81	70 - 130	2	35
Ethylbenzene			0.100	0.08938		mg/Kg		89	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.1897		mg/Kg		95	70 - 130	5	35
o-Xylene			0.100	0.1078		mg/Kg		108	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 880-19347-A-7-F MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35744 — **Prep Batch: 35745**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.0998	0.08818		mg/Kg		88	70 - 130		
Toluene	<0.00200	U	0.0998	0.08271		mg/Kg		83	70 - 130		

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19829-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-19347-A-7-F MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35744 — **Prep Batch: 35745**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.0998	0.08821		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1806		mg/Kg		90	70 - 130
o-Xylene	<0.00200	U	0.0998	0.1019		mg/Kg		102	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 880-19347-A-7-G MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35744 — **Prep Batch: 35745**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0996	0.08390		mg/Kg		84	70 - 130	5	35
Toluene	<0.00200	U	0.0996	0.08269		mg/Kg		83	70 - 130	0	35
Ethylbenzene	<0.00200	U	0.0996	0.09357		mg/Kg		94	70 - 130	6	35
m-Xylene & p-Xylene	<0.00399	U	0.199	0.1984		mg/Kg		100	70 - 130	9	35
o-Xylene	<0.00200	U	0.0996	0.1133		mg/Kg		114	70 - 130	11	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

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

Lab Sample ID: MB 880-35755/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35738 — **Prep Batch: 35755**

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		09/30/22 08:55	09/30/22 09:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/22 08:55	09/30/22 09:28	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/22 08:55	09/30/22 09:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*09/30/22 08:55*	*09/30/22 09:28*	*1*
o-Terphenyl	*113*		*70 - 130*	*09/30/22 08:55*	*09/30/22 09:28*	*1*

Lab Sample ID: LCS 880-35755/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35738 — **Prep Batch: 35755**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1023		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	1000	995.8		mg/Kg		100	70 - 130

Eurofins Midland

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19829-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-35755/2-A
Matrix: Solid
Analysis Batch: 35738

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35755

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	113		70 - 130

Lab Sample ID: LCSD 880-35755/3-A
Matrix: Solid
Analysis Batch: 35738

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 35755

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	939.2		mg/Kg		94	70 - 130	9	20
Diesel Range Organics (Over C10-C28)			1000	896.6		mg/Kg		90	70 - 130	10	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	101		70 - 130

Lab Sample ID: 880-19829-1 MS
Matrix: Solid
Analysis Batch: 35738

Client Sample ID: BG
Prep Type: Total/NA
Prep Batch: 35755

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	727.0		mg/Kg		71	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	998	758.3		mg/Kg		74	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	74		70 - 130
o-Terphenyl	67	S1-	70 - 130

Lab Sample ID: 880-19829-1 MSD
Matrix: Solid
Analysis Batch: 35738

Client Sample ID: BG
Prep Type: Total/NA
Prep Batch: 35755

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	<50.0	U	999	731.1		mg/Kg		72	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	827.6		mg/Kg		81	70 - 130	9	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	78		70 - 130
o-Terphenyl	73		70 - 130

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19829-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-35803/1-A
Matrix: Solid
Analysis Batch: 35998

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			10/03/22 15:59	1

Lab Sample ID: LCS 880-35803/2-A
Matrix: Solid
Analysis Batch: 35998

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	243.8		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-35803/3-A
Matrix: Solid
Analysis Batch: 35998

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	245.3		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 880-19828-A-1-C MS
Matrix: Solid
Analysis Batch: 35998

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	251	F1	252	456.8	F1	mg/Kg		82	90 - 110		

Lab Sample ID: 880-19828-A-1-D MSD
Matrix: Solid
Analysis Batch: 35998

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	251	F1	252	457.2	F1	mg/Kg		82	90 - 110	0	20

QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19829-1
SDG: Lea Co, NM

GC VOA

Analysis Batch: 35744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19829-1	BG	Total/NA	Solid	8021B	35745
MB 880-35745/5-A	Method Blank	Total/NA	Solid	8021B	35745
LCS 880-35745/1-A	Lab Control Sample	Total/NA	Solid	8021B	35745
LCSD 880-35745/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	35745
880-19347-A-7-F MS	Matrix Spike	Total/NA	Solid	8021B	35745
880-19347-A-7-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	35745

Prep Batch: 35745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19829-1	BG	Total/NA	Solid	5035	
MB 880-35745/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-35745/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-35745/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-19347-A-7-F MS	Matrix Spike	Total/NA	Solid	5035	
880-19347-A-7-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 35841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19829-1	BG	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 35738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19829-1	BG	Total/NA	Solid	8015B NM	35755
MB 880-35755/1-A	Method Blank	Total/NA	Solid	8015B NM	35755
LCS 880-35755/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	35755
LCSD 880-35755/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	35755
880-19829-1 MS	BG	Total/NA	Solid	8015B NM	35755
880-19829-1 MSD	BG	Total/NA	Solid	8015B NM	35755

Prep Batch: 35755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19829-1	BG	Total/NA	Solid	8015NM Prep	
MB 880-35755/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-35755/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-35755/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-19829-1 MS	BG	Total/NA	Solid	8015NM Prep	
880-19829-1 MSD	BG	Total/NA	Solid	8015NM Prep	

Analysis Batch: 35974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19829-1	BG	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 35803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19829-1	BG	Soluble	Solid	DI Leach	
MB 880-35803/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-35803/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-35803/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19829-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Leach Batch: 35803 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19828-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-19828-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 35998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19829-1	BG	Soluble	Solid	300.0	35803
MB 880-35803/1-A	Method Blank	Soluble	Solid	300.0	35803
LCS 880-35803/2-A	Lab Control Sample	Soluble	Solid	300.0	35803
LCSD 880-35803/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	35803
880-19828-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	35803
880-19828-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	35803

Lab Chronicle

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19829-1
SDG: Lea Co, NM

Client Sample ID: BG

Date Collected: 09/29/22 11:00
Date Received: 09/29/22 16:10

Lab Sample ID: 880-19829-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	35745	09/30/22 08:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35744	09/30/22 15:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			35841	09/30/22 17:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			35974	10/03/22 11:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35755	09/30/22 08:55	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35738	09/30/22 10:33	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	35803	09/30/22 10:58	SMC	EET MID
Soluble	Analysis	300.0		1			35998	10/03/22 17:56	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19829-1
SDG: Lea Co, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19829-1
SDG: Lea Co, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19829-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-19829-1	BG	Solid	09/29/22 11:00	09/29/22 16:10	0-6"

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: 19829

www.xenco.com Page 1 of 1

Project Manager:	GRANT HUCKABAY	Bill to: (if different)	
Company Name:	FASKEN OIL AND RANCH LTD.	Company Name:	
Address	6101 HOLIDAY HILL Rd.	Address.	
City, State ZIP:	MIDLAND, TX 79707	City, State ZIP:	
Phone:	432-687-1777	Email	granth@forl.com, addi.song@forl.com

Work Order Comments

Program. UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables EDD ☐ ADaPT ☐ Other:

Project Name:	DENTON #5 SWD	Turn Around	
Project Number:		☐ Routine ☒ Rush	
Project Location:	LEA Co. NM	Due Date	3 DAY
Sampler's Name.	Addison Buelker	TAT starts the day received by the lab, if received by 4:30pm	
PO #			

SAMPLE RECEIPT	Temp Blank:	Yes (No)	Wet Ice:	Yes (No)
Samples Received Intact:	(Yes) No	Thermometer ID:	IR8	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-.20	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading	4.2	
Total Containers.		Corrected Temperature:	4.4	

ANALYSIS REQUEST

Preservative Codes

None NO | DI Water H_2O
Cool Cool | MeOH Me
HCL. HC | HNO_3 HN
H_2SO_4 H_2 | NaOH Na
H_3PO_4. HP
$NaHSO_4$ NABIS
$Na_2S_2O_3$ $NaSO_3$
Zn Acetate+NaOH Zn
NaOH+Ascorbic Acid SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: Cl	TPH 8015M	BTEX 8021B	Sample Comments
BG	S	9/29/22	11.00	0-6"	G	1		X	X	X	

880-19829 Chain of Custody

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg 1631 / 245 1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Addison		9/29/22 1610	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/23/2025 5:18:16 PM

Released to Imaging: 8/27/2025 2:00:32 PM

Login Sample Receipt Checklist

Client: Fasken Oil and Ranch

Job Number: 880-19829-1
SDG Number: Lea Co, NM

Login Number: 19829
List Number: 1
Creator: Rodriguez, Leticia

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	
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	

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ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-19828-1
Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Denton #5 SWD

For:
Fasken Oil and Ranch
6101 Holiday HIll Road
Midland, Texas 79707

Attn: Grant Huckabay

JKramer

Authorized for release by:
10/4/2022 10:33:26 AM

Jessica Kramer, Project Manager
(432)704-5440
Jessica.Kramer@et.eurofinsus.com

LINKS
Review your project results through my EOL
Have a Question? Ask The Expert
Visit us at: www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Laboratory Job ID: 880-19828-1
SDG: Lea Co, NM

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Definitions/Glossary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19828-1
SDG: Lea Co, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low 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.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19828-1
SDG: Lea Co, NM

Job ID: 880-19828-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-19828-1

Receipt
The samples were received on 9/29/2022 4:10 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 4.4°C

Receipt Exceptions
The following samples analyzed for method <FRACTION_METHOD> were received and analyzed from an unpreserved bulk soil jar: North (880-19828-1), South (880-19828-2) and West (880-19828-3).

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: West (880-19828-3). Evidence of matrix interferences is not obvious.

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-19829-A-1-B) and (880-19829-A-1-C MS). 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.

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-35803 and analytical batch 880-35998 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19828-1
SDG: Lea Co, NM

Client Sample ID: North

Lab Sample ID: 880-19828-1
Matrix: Solid
Date Collected: 09/29/22 10:15
Date Received: 09/29/22 16:10
Sample Depth: 0-6"

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		10/03/22 13:34	10/04/22 00:46	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/03/22 13:34	10/04/22 00:46	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/03/22 13:34	10/04/22 00:46	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/03/22 13:34	10/04/22 00:46	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/03/22 13:34	10/04/22 00:46	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/03/22 13:34	10/04/22 00:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*10/03/22 13:34*	*10/04/22 00:46*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*10/03/22 13:34*	*10/04/22 00:46*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/04/22 08:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/03/22 11:45	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		09/30/22 08:55	09/30/22 17:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/22 08:55	09/30/22 17:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/22 08:55	09/30/22 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*09/30/22 08:55*	*09/30/22 17:22*	*1*
o-Terphenyl	*92*		*70 - 130*	*09/30/22 08:55*	*09/30/22 17:22*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**251**	**F1**	5.03		mg/Kg			10/03/22 17:22	1

Client Sample ID: South

Lab Sample ID: 880-19828-2
Matrix: Solid
Date Collected: 09/29/22 10:30
Date Received: 09/29/22 16:10
Sample Depth: 0-6"

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		10/03/22 13:34	10/04/22 02:50	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/03/22 13:34	10/04/22 02:50	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/03/22 13:34	10/04/22 02:50	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/03/22 13:34	10/04/22 02:50	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/03/22 13:34	10/04/22 02:50	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/03/22 13:34	10/04/22 02:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*10/03/22 13:34*	*10/04/22 02:50*	*1*

Client Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19828-1
SDG: Lea Co, NM

Client Sample ID: South

Lab Sample ID: 880-19828-2
Matrix: Solid
Date Collected: 09/29/22 10:30
Date Received: 09/29/22 16:10
Sample Depth: 0-6"

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*10/03/22 13:34*	*10/04/22 02:50*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			10/04/22 08:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/03/22 11:45	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		09/30/22 08:55	09/30/22 17:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/30/22 08:55	09/30/22 17:44	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/30/22 08:55	09/30/22 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*09/30/22 08:55*	*09/30/22 17:44*	*1*
o-Terphenyl	*104*		*70 - 130*	*09/30/22 08:55*	*09/30/22 17:44*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**88.5**		4.97		mg/Kg			10/03/22 17:37	1

Client Sample ID: West

Lab Sample ID: 880-19828-3
Matrix: Solid
Date Collected: 09/29/22 10:45
Date Received: 09/29/22 16:10
Sample Depth: 0-6"

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		10/03/22 13:34	10/04/22 03:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/03/22 13:34	10/04/22 03:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/03/22 13:34	10/04/22 03:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/03/22 13:34	10/04/22 03:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/03/22 13:34	10/04/22 03:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/03/22 13:34	10/04/22 03:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*	*10/03/22 13:34*	*10/04/22 03:11*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*10/03/22 13:34*	*10/04/22 03:11*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/04/22 08:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/03/22 11:45	1

Eurofins Midland

Client Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19828-1
SDG: Lea Co, NM

Client Sample ID: West

Date Collected: 09/29/22 10:45
Date Received: 09/29/22 16:10
Sample Depth: 0-6"

Lab Sample ID: 880-19828-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/30/22 08:55	09/30/22 18:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/30/22 08:55	09/30/22 18:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/30/22 08:55	09/30/22 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*09/30/22 08:55*	*09/30/22 18:05*	*1*
o-Terphenyl	*84*		*70 - 130*	*09/30/22 08:55*	*09/30/22 18:05*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**31.2**		4.97		mg/Kg			10/03/22 17:42	1

Surrogate Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19828-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-19828-1	North	119	94
880-19828-2	South	120	101
880-19828-3	West	137 S1+	109
890-3026-A-1-D MS	Matrix Spike	93	96
890-3026-A-1-E MSD	Matrix Spike Duplicate	95	97
LCS 880-35997/1-A	Lab Control Sample	88	96
LCSD 880-35997/2-A	Lab Control Sample Dup	89	97
MB 880-35997/5-A	Method Blank	94	85

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-19828-1	North	89	92
880-19828-2	South	101	104
880-19828-3	West	82	84
880-19829-A-1-C MS	Matrix Spike	74	67 S1-
880-19829-A-1-D MSD	Matrix Spike Duplicate	78	73
LCS 880-35755/2-A	Lab Control Sample	107	113
LCSD 880-35755/3-A	Lab Control Sample Dup	101	101
MB 880-35755/1-A	Method Blank	104	113

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19828-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-35997/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35920 — **Prep Batch: 35997**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/03/22 13:34	10/03/22 22:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/03/22 13:34	10/03/22 22:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/03/22 13:34	10/03/22 22:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/03/22 13:34	10/03/22 22:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/03/22 13:34	10/03/22 22:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/03/22 13:34	10/03/22 22:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*10/03/22 13:34*	*10/03/22 22:00*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*10/03/22 13:34*	*10/03/22 22:00*	*1*

Lab Sample ID: LCS 880-35997/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35920 — **Prep Batch: 35997**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1071		mg/Kg		107	70 - 130		
Toluene			0.100	0.1071		mg/Kg		107	70 - 130		
Ethylbenzene			0.100	0.09944		mg/Kg		99	70 - 130		
m-Xylene & p-Xylene			0.200	0.2049		mg/Kg		102	70 - 130		
o-Xylene			0.100	0.1039		mg/Kg		104	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-35997/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35920 — **Prep Batch: 35997**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1072		mg/Kg		107	70 - 130	0	35
Toluene			0.100	0.1073		mg/Kg		107	70 - 130	0	35
Ethylbenzene			0.100	0.09953		mg/Kg		100	70 - 130	0	35
m-Xylene & p-Xylene			0.200	0.2078		mg/Kg		104	70 - 130	1	35
o-Xylene			0.100	0.1051		mg/Kg		105	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 890-3026-A-1-D MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35920 — **Prep Batch: 35997**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U	0.0998	0.09738		mg/Kg		98	70 - 130		
Toluene	<0.00201	U	0.0998	0.1003		mg/Kg		100	70 - 130		

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19828-1
SDG: Lea Co, NM

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

Lab Sample ID: 890-3026-A-1-D MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35920 — **Prep Batch: 35997**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.0998	0.09562		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1967		mg/Kg		99	70 - 130
o-Xylene	<0.00201	U	0.0998	0.1000		mg/Kg		100	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 890-3026-A-1-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35920 — **Prep Batch: 35997**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09537		mg/Kg		95	70 - 130	2	35
Toluene	<0.00201	U	0.100	0.09776		mg/Kg		98	70 - 130	3	35
Ethylbenzene	<0.00201	U	0.100	0.09210		mg/Kg		92	70 - 130	4	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1922		mg/Kg		96	70 - 130	2	35
o-Xylene	<0.00201	U	0.100	0.09755		mg/Kg		97	70 - 130	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

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

Lab Sample ID: MB 880-35755/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35738 — **Prep Batch: 35755**

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		09/30/22 08:55	09/30/22 09:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/22 08:55	09/30/22 09:28	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/22 08:55	09/30/22 09:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*09/30/22 08:55*	*09/30/22 09:28*	*1*
o-Terphenyl	*113*		*70 - 130*	*09/30/22 08:55*	*09/30/22 09:28*	*1*

Lab Sample ID: LCS 880-35755/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35738 — **Prep Batch: 35755**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1023		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	1000	995.8		mg/Kg		100	70 - 130

Eurofins Midland

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19828-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-35755/2-A
Matrix: Solid
Analysis Batch: 35738

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35755

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	113		70 - 130

Lab Sample ID: LCSD 880-35755/3-A
Matrix: Solid
Analysis Batch: 35738

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 35755

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	939.2		mg/Kg		94	70 - 130	9	20
Diesel Range Organics (Over C10-C28)			1000	896.6		mg/Kg		90	70 - 130	10	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	101		70 - 130

Lab Sample ID: 880-19829-A-1-C MS
Matrix: Solid
Analysis Batch: 35738

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 35755

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	727.0		mg/Kg		71	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	998	758.3		mg/Kg		74	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	74		70 - 130
o-Terphenyl	67	S1-	70 - 130

Lab Sample ID: 880-19829-A-1-D MSD
Matrix: Solid
Analysis Batch: 35738

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 35755

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	<50.0	U	999	731.1		mg/Kg		72	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	827.6		mg/Kg		81	70 - 130	9	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	78		70 - 130
o-Terphenyl	73		70 - 130

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19828-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-35803/1-A
Matrix: Solid
Analysis Batch: 35998

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			10/03/22 15:59	1

Lab Sample ID: LCS 880-35803/2-A
Matrix: Solid
Analysis Batch: 35998

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	243.8		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-35803/3-A
Matrix: Solid
Analysis Batch: 35998

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	245.3		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 880-19828-1 MS
Matrix: Solid
Analysis Batch: 35998

Client Sample ID: North
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	251	F1	252	456.8	F1	mg/Kg		82	90 - 110		

Lab Sample ID: 880-19828-1 MSD
Matrix: Solid
Analysis Batch: 35998

Client Sample ID: North
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	251	F1	252	457.2	F1	mg/Kg		82	90 - 110	0	20

QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19828-1
SDG: Lea Co, NM

GC VOA

Analysis Batch: 35920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19828-1	North	Total/NA	Solid	8021B	35997
880-19828-2	South	Total/NA	Solid	8021B	35997
880-19828-3	West	Total/NA	Solid	8021B	35997
MB 880-35997/5-A	Method Blank	Total/NA	Solid	8021B	35997
LCS 880-35997/1-A	Lab Control Sample	Total/NA	Solid	8021B	35997
LCSD 880-35997/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	35997
890-3026-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	35997
890-3026-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	35997

Prep Batch: 35997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19828-1	North	Total/NA	Solid	5035	
880-19828-2	South	Total/NA	Solid	5035	
880-19828-3	West	Total/NA	Solid	5035	
MB 880-35997/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-35997/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-35997/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3026-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
890-3026-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 36031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19828-1	North	Total/NA	Solid	Total BTEX	
880-19828-2	South	Total/NA	Solid	Total BTEX	
880-19828-3	West	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 35738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19828-1	North	Total/NA	Solid	8015B NM	35755
880-19828-2	South	Total/NA	Solid	8015B NM	35755
880-19828-3	West	Total/NA	Solid	8015B NM	35755
MB 880-35755/1-A	Method Blank	Total/NA	Solid	8015B NM	35755
LCS 880-35755/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	35755
LCSD 880-35755/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	35755
880-19829-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	35755
880-19829-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	35755

Prep Batch: 35755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19828-1	North	Total/NA	Solid	8015NM Prep	
880-19828-2	South	Total/NA	Solid	8015NM Prep	
880-19828-3	West	Total/NA	Solid	8015NM Prep	
MB 880-35755/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-35755/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-35755/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-19829-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-19829-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19828-1
SDG: Lea Co, NM

GC Semi VOA

Analysis Batch: 35977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19828-1	North	Total/NA	Solid	8015 NM	
880-19828-2	South	Total/NA	Solid	8015 NM	
880-19828-3	West	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 35803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19828-1	North	Soluble	Solid	DI Leach	
880-19828-2	South	Soluble	Solid	DI Leach	
880-19828-3	West	Soluble	Solid	DI Leach	
MB 880-35803/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-35803/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-35803/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-19828-1 MS	North	Soluble	Solid	DI Leach	
880-19828-1 MSD	North	Soluble	Solid	DI Leach	

Analysis Batch: 35998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19828-1	North	Soluble	Solid	300.0	35803
880-19828-2	South	Soluble	Solid	300.0	35803
880-19828-3	West	Soluble	Solid	300.0	35803
MB 880-35803/1-A	Method Blank	Soluble	Solid	300.0	35803
LCS 880-35803/2-A	Lab Control Sample	Soluble	Solid	300.0	35803
LCSD 880-35803/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	35803
880-19828-1 MS	North	Soluble	Solid	300.0	35803
880-19828-1 MSD	North	Soluble	Solid	300.0	35803

Lab Chronicle

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19828-1
SDG: Lea Co, NM

Client Sample ID: North

Date Collected: 09/29/22 10:15
Date Received: 09/29/22 16:10

Lab Sample ID: 880-19828-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	35997	10/03/22 13:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35920	10/04/22 00:46	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36031	10/04/22 08:33	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35977	10/03/22 11:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35755	09/30/22 08:55	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35738	09/30/22 17:22	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	35803	09/30/22 10:58	SMC	EET MID
Soluble	Analysis	300.0		1			35998	10/03/22 17:22	CH	EET MID

Client Sample ID: South

Date Collected: 09/29/22 10:30
Date Received: 09/29/22 16:10

Lab Sample ID: 880-19828-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	35997	10/03/22 13:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35920	10/04/22 02:50	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36031	10/04/22 08:33	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35977	10/03/22 11:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	35755	09/30/22 08:55	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35738	09/30/22 17:44	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	35803	09/30/22 10:58	SMC	EET MID
Soluble	Analysis	300.0		1			35998	10/03/22 17:37	CH	EET MID

Client Sample ID: West

Date Collected: 09/29/22 10:45
Date Received: 09/29/22 16:10

Lab Sample ID: 880-19828-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	35997	10/03/22 13:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35920	10/04/22 03:11	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36031	10/04/22 08:33	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35977	10/03/22 11:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	35755	09/30/22 08:55	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35738	09/30/22 18:05	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	35803	09/30/22 10:58	SMC	EET MID
Soluble	Analysis	300.0		1			35998	10/03/22 17:42	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19828-1
SDG: Lea Co, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19828-1
SDG: Lea Co, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19828-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-19828-1	North	Solid	09/29/22 10:15	09/29/22 16:10	0-6"
880-19828-2	South	Solid	09/29/22 10:30	09/29/22 16:10	0-6"
880-19828-3	West	Solid	09/29/22 10:45	09/29/22 16:10	0-6"

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Chain of Custody

Houston, TX (281) 240-4200, Dallas TX (214) 902-0300
Midland, TX (432) 704-5440 San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs NM (575) 392-7550 Carlsbad, NM (575) 988-3199

Work Order No: 19828

www.xenco.com Page 1 of 1

Project Manager:	GRANT HUCKABAY	Bill to: (if different)	
Company Name	FASKEN OIL AND RANCH, LTD	Company Name:	
Address:	6101 HOLIDAY HILL Rd.	Address:	
City, State ZIP:	MIDLAND, TX 79707	City, State ZIP:	
Phone:	432-687-1777 Email	grantha@forl.com, addisong@forl.com	

Work Order Comments

Program. UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables EDD ☐ ADaPT ☐ Other:

Project Name:	DEMON #5 SWD	Turn Around	
Project Number:		☐ Routine ☒ Rush	
Project Location	LEA Co NM	Due Date.	3 DAY
Sampler's Name:	Addison Gwelker	TAT starts the day received by the lab, if received by 4:30pm	
PO #			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	IR8
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-.20
Sample Custody Seals:	Yes No (N/A)	Temperature Reading	4.2
Total Containers:		Corrected Temperature:	4.4

ANALYSIS REQUEST

Parameters: Cl; TPH 8015M; BTEX 8021B

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont
NORTH	S	9/29/22	10:15	0-6"	G	1
SOUTH			10:30	0-6"	G	1
WEST			10:45	0-6"	G	1

Preservative Codes

None NO DI Water H_2O
Cool Cool MeOH Me
HCL HC HNO_3 HN
H_2SO_4 H_2 NaOH Na
H_3PO_4 HP
$NaHSO_4$ NABIS
$Na_2S_2O_3$ $NaSO_3$
Zn Acetate+NaOH Zn
NaOH+Ascorbic Acid. SAPC

Sample Comments

880-19828 Chain of Custody

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg 1631 / 245 1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		9/29/22 1610	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev 2020.2

Received by OCD: 7/23/2025 5:18:16 PM
Page 19 of 20
10/4/2022
Released to Imaging: 8/27/2025 2:00:32 PM

Login Sample Receipt Checklist

Client: Fasken Oil and Ranch

Job Number: 880-19828-1
SDG Number: Lea Co, NM

Login Number: 19828
List Number: 1
Creator: Rodriguez, Leticia

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	
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	

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ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-19830-1
Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Denton #5 SWD

For:
Fasken Oil and Ranch
6101 Holiday HIll Road
Midland, Texas 79707

Attn: Grant Huckabay

JKramer

Authorized for release by:
10/4/2022 10:34:23 AM

Jessica Kramer, Project Manager
(432)704-5440
Jessica.Kramer@et.eurofinsus.com

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

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Laboratory Job ID: 880-19830-1
SDG: Lea Co, NM

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Definitions/Glossary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19830-1
SDG: Lea Co, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low 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.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19830-1
SDG: Lea Co, NM

Job ID: 880-19830-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-19830-1

Receipt
The sample was received on 9/29/2022 4:10 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.4°C

Receipt Exceptions
The following samples analyzed for method <FRACTION_METHOD> were received and analyzed from an unpreserved bulk soil jar: East (880-19830-1).

GC VOA
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: Surrogate recovery for the following samples were outside control limits: (880-19829-A-1-B) and (880-19829-A-1-C MS). 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.

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-35803 and analytical batch 880-35998 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19830-1
SDG: Lea Co, NM

Client Sample ID: East

Date Collected: 09/29/22 10:00
Date Received: 09/29/22 16:10
Sample Depth: 0-6"

Lab Sample ID: 880-19830-1

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/03/22 13:34	10/04/22 00:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/03/22 13:34	10/04/22 00:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/03/22 13:34	10/04/22 00:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/03/22 13:34	10/04/22 00:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/03/22 13:34	10/04/22 00:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/03/22 13:34	10/04/22 00:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*10/03/22 13:34*	*10/04/22 00:25*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*10/03/22 13:34*	*10/04/22 00:25*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/04/22 08:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/03/22 11:45	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		09/30/22 08:55	09/30/22 18:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/30/22 08:55	09/30/22 18:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/30/22 08:55	09/30/22 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*09/30/22 08:55*	*09/30/22 18:27*	*1*
o-Terphenyl	*87*		*70 - 130*	*09/30/22 08:55*	*09/30/22 18:27*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**437**		5.01		mg/Kg			10/03/22 18:01	1

Surrogate Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19830-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-19830-1	East	114	100
890-3026-A-1-D MS	Matrix Spike	93	96
890-3026-A-1-E MSD	Matrix Spike Duplicate	95	97
LCS 880-35997/1-A	Lab Control Sample	88	96
LCSD 880-35997/2-A	Lab Control Sample Dup	89	97
MB 880-35997/5-A	Method Blank	94	85

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-19829-A-1-C MS	Matrix Spike	74	67 S1-
880-19829-A-1-D MSD	Matrix Spike Duplicate	78	73
880-19830-1	East	88	87
LCS 880-35755/2-A	Lab Control Sample	107	113
LCSD 880-35755/3-A	Lab Control Sample Dup	101	101
MB 880-35755/1-A	Method Blank	104	113

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19830-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-35997/5-A
Matrix: Solid
Analysis Batch: 35920

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 35997

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/03/22 13:34	10/03/22 22:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/03/22 13:34	10/03/22 22:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/03/22 13:34	10/03/22 22:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/03/22 13:34	10/03/22 22:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/03/22 13:34	10/03/22 22:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/03/22 13:34	10/03/22 22:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*10/03/22 13:34*	*10/03/22 22:00*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*10/03/22 13:34*	*10/03/22 22:00*	*1*

Lab Sample ID: LCS 880-35997/1-A
Matrix: Solid
Analysis Batch: 35920

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35997

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1071		mg/Kg		107	70 - 130
Toluene	0.100	0.1071		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.09944		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.2049		mg/Kg		102	70 - 130
o-Xylene	0.100	0.1039		mg/Kg		104	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-35997/2-A
Matrix: Solid
Analysis Batch: 35920

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 35997

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1072		mg/Kg		107	70 - 130	0	35
Toluene	0.100	0.1073		mg/Kg		107	70 - 130	0	35
Ethylbenzene	0.100	0.09953		mg/Kg		100	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.2078		mg/Kg		104	70 - 130	1	35
o-Xylene	0.100	0.1051		mg/Kg		105	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 890-3026-A-1-D MS
Matrix: Solid
Analysis Batch: 35920

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 35997

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0998	0.09738		mg/Kg		98	70 - 130
Toluene	<0.00201	U	0.0998	0.1003		mg/Kg		100	70 - 130

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19830-1
SDG: Lea Co, NM

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

Lab Sample ID: 890-3026-A-1-D MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35920 — **Prep Batch: 35997**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.0998	0.09562		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1967		mg/Kg		99	70 - 130
o-Xylene	<0.00201	U	0.0998	0.1000		mg/Kg		100	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 890-3026-A-1-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35920 — **Prep Batch: 35997**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.09537		mg/Kg		95	70 - 130	2	35
Toluene	<0.00201	U	0.100	0.09776		mg/Kg		98	70 - 130	3	35
Ethylbenzene	<0.00201	U	0.100	0.09210		mg/Kg		92	70 - 130	4	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1922		mg/Kg		96	70 - 130	2	35
o-Xylene	<0.00201	U	0.100	0.09755		mg/Kg		97	70 - 130	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

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

Lab Sample ID: MB 880-35755/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35738 — **Prep Batch: 35755**

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		09/30/22 08:55	09/30/22 09:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/30/22 08:55	09/30/22 09:28	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/30/22 08:55	09/30/22 09:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*09/30/22 08:55*	*09/30/22 09:28*	*1*
o-Terphenyl	*113*		*70 - 130*	*09/30/22 08:55*	*09/30/22 09:28*	*1*

Lab Sample ID: LCS 880-35755/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35738 — **Prep Batch: 35755**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1023		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	1000	995.8		mg/Kg		100	70 - 130

Eurofins Midland

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19830-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-35755/2-A
Matrix: Solid
Analysis Batch: 35738

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35755

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	113		70 - 130

Lab Sample ID: LCSD 880-35755/3-A
Matrix: Solid
Analysis Batch: 35738

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 35755

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	939.2		mg/Kg		94	70 - 130	9	20
Diesel Range Organics (Over C10-C28)			1000	896.6		mg/Kg		90	70 - 130	10	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	101		70 - 130

Lab Sample ID: 880-19829-A-1-C MS
Matrix: Solid
Analysis Batch: 35738

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 35755

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	727.0		mg/Kg		71	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	998	758.3		mg/Kg		74	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	74		70 - 130
o-Terphenyl	67	S1-	70 - 130

Lab Sample ID: 880-19829-A-1-D MSD
Matrix: Solid
Analysis Batch: 35738

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 35755

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	<50.0	U	999	731.1		mg/Kg		72	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	827.6		mg/Kg		81	70 - 130	9	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	78		70 - 130
o-Terphenyl	73		70 - 130

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19830-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-35803/1-A
Matrix: Solid
Analysis Batch: 35998

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			10/03/22 15:59	1

Lab Sample ID: LCS 880-35803/2-A
Matrix: Solid
Analysis Batch: 35998

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	243.8		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-35803/3-A
Matrix: Solid
Analysis Batch: 35998

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	245.3		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 880-19828-A-1-C MS
Matrix: Solid
Analysis Batch: 35998

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	251	F1	252	456.8	F1	mg/Kg		82	90 - 110		

Lab Sample ID: 880-19828-A-1-D MSD
Matrix: Solid
Analysis Batch: 35998

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	251	F1	252	457.2	F1	mg/Kg		82	90 - 110	0	20

QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19830-1
SDG: Lea Co, NM

GC VOA

Analysis Batch: 35920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19830-1	East	Total/NA	Solid	8021B	35997
MB 880-35997/5-A	Method Blank	Total/NA	Solid	8021B	35997
LCS 880-35997/1-A	Lab Control Sample	Total/NA	Solid	8021B	35997
LCSD 880-35997/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	35997
890-3026-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	35997
890-3026-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	35997

Prep Batch: 35997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19830-1	East	Total/NA	Solid	5035	
MB 880-35997/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-35997/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-35997/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3026-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
890-3026-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 36030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19830-1	East	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 35738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19830-1	East	Total/NA	Solid	8015B NM	35755
MB 880-35755/1-A	Method Blank	Total/NA	Solid	8015B NM	35755
LCS 880-35755/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	35755
LCSD 880-35755/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	35755
880-19829-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	35755
880-19829-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	35755

Prep Batch: 35755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19830-1	East	Total/NA	Solid	8015NM Prep	
MB 880-35755/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-35755/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-35755/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-19829-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-19829-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 35978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19830-1	East	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 35803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19830-1	East	Soluble	Solid	DI Leach	
MB 880-35803/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-35803/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-35803/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19830-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Leach Batch: 35803 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19828-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-19828-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 35998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19830-1	East	Soluble	Solid	300.0	35803
MB 880-35803/1-A	Method Blank	Soluble	Solid	300.0	35803
LCS 880-35803/2-A	Lab Control Sample	Soluble	Solid	300.0	35803
LCSD 880-35803/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	35803
880-19828-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	35803
880-19828-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	35803

Lab Chronicle

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19830-1
SDG: Lea Co, NM

Client Sample ID: East

Date Collected: 09/29/22 10:00
Date Received: 09/29/22 16:10

Lab Sample ID: 880-19830-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	35997	10/03/22 13:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35920	10/04/22 00:25	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36030	10/04/22 08:33	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35978	10/03/22 11:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	35755	09/30/22 08:55	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35738	09/30/22 18:27	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	35803	09/30/22 10:58	SMC	EET MID
Soluble	Analysis	300.0		1			35998	10/03/22 18:01	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19830-1
SDG: Lea Co, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19830-1
SDG: Lea Co, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Fasken Oil and Ranch
Project/Site: Denton #5 SWD

Job ID: 880-19830-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-19830-1	East	Solid	09/29/22 10:00	09/29/22 16:10	0-6"

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eurofins | Environment Testing Xenco

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso TX (915) 585-3443 Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550 Carlsbad NM (575) 988-3199

Work Order No: 19830

www.xenco.com Page 1 of 1

Project Manager:	GRANT HUCKABAY	Bill to: (if different)	
Company Name:	FASKEN OIL AND RANCH, LTD.	Company Name:	
Address:	6101 HOLIDAY HILL RD.	Address:	
City, State ZIP:	MIDLAND, TX 79707	City, State ZIP:	
Phone	432-687-1777	Email:	granth@forl.com; addisong@forl.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables EDD ☐ ADaPT ☐ Other:

Project Name:	DENTON #5 SWD	Turn Around	
Project Number:		☐ Routine ☒ Rush	
Project Location	LEA Co. NM	Due Date:	3 DAY
Sampler's Name:	ADDISON GUEULER	TAT starts the day received by the lab, if received by 4.30pm	
PO #			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice	Yes No
Samples Received Intact:	(Yes) No	Thermometer ID:	IR8
Cooler Custody Seals:	Yes No N/A	Correction Factor:	.20
Sample Custody Seals:	Yes No (N/A)	Temperature Reading	4.2
Total Containers:		Corrected Temperature:	4.4

Preservative Codes

None NO; DI Water H_2O; Cool Cool; MeOH Me; HCL HC; HNO_3 HN; H_2SO_4 H_2; NaOH Na; H_3PO_4 HP; $NaHSO_4$ NABIS; $Na_2S_2O_3$ $NaSO_3$; Zn Acetate+NaOH Zn; NaOH+Ascorbic Acid SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: Cl	TPH 8015M	BTEX 8021B	Sample Comments
EAST	S	9/21/22	10:00	0-6"	G	1		X	X	X	

880-19830 Chain of Custody

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 7/23/2025 5:18:16 PM
Released to Imaging: 8/27/2025 2:00:32 PM

Login Sample Receipt Checklist

Client: Fasken Oil and Ranch

Job Number: 880-19830-1
SDG Number: Lea Co, NM

Login Number: 19830
List Number: 1
Creator: Rodriguez, Leticia

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	
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	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 6/8/2023 9:14:30 AM

JOB DESCRIPTION

Denton 5 SWD
SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-29157-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 8/27/2025 2:00:52 PM

my EOL

Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated
6/8/2023 9:14:30 AM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Carmona Resources
Project/Site: Denton 5 SWD

Laboratory Job ID: 880-29157-1
SDG: Lea County, New Mexico

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Eurofins Midland
6/8/2023

Definitions/Glossary

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
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
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
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.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Job ID: 880-29157-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-29157-1

Receipt
The samples were received on 6/6/2023 3:00 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 -6.8°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (1') (880-29157-1), CS-2 (1') (880-29157-2), CS-3 (1') (880-29157-3), CS-4 (1') (880-29157-4), CS-5 (1') (880-29157-5), CS-6 (1') (880-29157-6), CS-7 (1') (880-29157-7), CS-8 (1') (880-29157-8), CS-9 (1') (880-29157-9), CS-10 (1') (880-29157-10), CS-11 (1') (880-29157-11), CS-12 (1') (880-29157-12), CS-13 (1') (880-29157-13), CS-14 (1') (880-29157-14), CS-15 (1') (880-29157-15), CS-16 (1') (880-29157-16), CS-17 (1') (880-29157-17), CS-18 (1') (880-29157-18), CS-19 (1') (880-29157-19), CS-20 (1') (880-29157-20), CS-21 (1') (880-29157-21), CS-22 (1') (880-29157-22), CS-23 (1') (880-29157-23), CS-24 (1') (880-29157-24), CS-25 (1') (880-29157-25), CS-26 (1') (880-29157-26), CS-27 (4.5') (880-29157-27), CS-28 (4.5') (880-29157-28), CS-29 (4.5') (880-29157-29), CS-30 (4.5') (880-29157-30), CS-31 (4.5') (880-29157-31), CS-32 (4.5') (880-29157-32), CS-33 (4.5') (880-29157-33), CS-34 (4.5') (880-29157-34), CS-35 (4.5') (880-29157-35), CS-36 (4.5') (880-29157-36), CS-37 (4.5') (880-29157-37), CS-38 (4.5') (880-29157-38), CS-39 (4.5') (880-29157-39), CS-40 (4.5') (880-29157-40), CS-41 (4.5') (880-29157-41), CS-42 (4.5') (880-29157-42), CS-43 (4.5') (880-29157-43), CS-44 (4.5') (880-29157-44), CS-45 (4.5') (880-29157-45), CS-46 (4.5') (880-29157-46), CS-47 (4.5') (880-29157-47), CS-48 (4.5') (880-29157-48), CS-49 (4.5') (880-29157-49), CS-50 (4.5') (880-29157-50), CS-51 (4.5') (880-29157-51), CS-52 (4.5') (880-29157-52), SW-1 (1') (880-29157-53), SW-2 (3.5') (880-29157-54) and SW-3 (3.5') (880-29157-55).

GC VOA
Method 8021B: The continuing calibration verification (CCV) associated with batch 880-54833 recovered above the upper control limit for Benzene. However an acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-54833/20).

Method 8021B: The laboratory control sample duplicate (LCSD) for preparation batch 880-54892 and analytical batch 880-54872 recovered outside control limits for the following analytes: Benzene. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-54872 recovered above the upper control limit for Benzene, Toluene, Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-1 (1') (880-29157-1), CS-2 (1') (880-29157-2), CS-3 (1') (880-29157-3), CS-4 (1') (880-29157-4), CS-5 (1') (880-29157-5), CS-6 (1') (880-29157-6), (880-29157-A-1-A MS) and (880-29157-A-1-B MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-7 (1') (880-29157-7), CS-8 (1') (880-29157-8), CS-9 (1') (880-29157-9) and CS-10 (1') (880-29157-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-54892 and analytical batch 880-54872 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (MB 880-54756/5-A) and (MB 880-54895/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: The laboratory control sample (LCS) for preparation batch 880-54895 and analytical batch 880-54833 recovered outside control limits for the following analytes: Benzene. Since only an acceptable LCS or LCSD is required per the method, the LCSD shows recovery for the batch; therefore, the data have been reported.

Case Narrative

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Job ID: 880-29157-1 (Continued)

Laboratory: Eurofins Midland (Continued)

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-11 (1') (880-29157-11), CS-12 (1') (880-29157-12), CS-13 (1') (880-29157-13), CS-14 (1') (880-29157-14), CS-15 (1') (880-29157-15), CS-16 (1') (880-29157-16), CS-17 (1') (880-29157-17), CS-18 (1') (880-29157-18), CS-19 (1') (880-29157-19) and CS-20 (1') (880-29157-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (CCV 880-54872/51). Evidence of matrix interferences is not obvious.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-54897 and 880-54899 and analytical batch 880-54829 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-54897/2-A), (LCS 880-54899/2-A) and (LCSD 880-54899/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-1 (1') (880-29157-1), CS-2 (1') (880-29157-2), CS-3 (1') (880-29157-3), CS-4 (1') (880-29157-4), CS-5 (1') (880-29157-5), CS-6 (1') (880-29157-6), CS-7 (1') (880-29157-7), CS-8 (1') (880-29157-8), CS-9 (1') (880-29157-9), CS-10 (1') (880-29157-10), (880-29157-A-1-H MS) and (880-29157-A-1-I MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-11 (1') (880-29157-11), CS-12 (1') (880-29157-12), CS-13 (1') (880-29157-13), CS-14 (1') (880-29157-14), CS-15 (1') (880-29157-15), CS-16 (1') (880-29157-16), CS-17 (1') (880-29157-17), CS-18 (1') (880-29157-18), CS-19 (1') (880-29157-19), CS-20 (1') (880-29157-20), CS-41 (4.5') (880-29157-41), CS-42 (4.5') (880-29157-42), CS-43 (4.5') (880-29157-43), CS-44 (4.5') (880-29157-44), CS-45 (4.5') (880-29157-45), (880-29157-A-41-C MS) and (880-29157-A-41-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-54898 and analytical batch 880-54831 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-21 (1') (880-29157-21), CS-22 (1') (880-29157-22), CS-23 (1') (880-29157-23), CS-24 (1') (880-29157-24), CS-25 (1') (880-29157-25), CS-26 (1') (880-29157-26), (880-29157-A-21-H MS) and (880-29157-A-21-I MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-29 (4.5') (880-29157-29), CS-30 (4.5') (880-29157-30), CS-31 (4.5') (880-29157-31) and CS-32 (4.5') (880-29157-32). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-34 (4.5') (880-29157-34), CS-35 (4.5') (880-29157-35), CS-36 (4.5') (880-29157-36), CS-37 (4.5') (880-29157-37), CS-38 (4.5') (880-29157-38), CS-39 (4.5') (880-29157-39) and CS-40 (4.5') (880-29157-40). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-46 (4.5') (880-29157-46), CS-47 (4.5') (880-29157-47), CS-48 (4.5') (880-29157-48), CS-49 (4.5') (880-29157-49), CS-50 (4.5') (880-29157-50), CS-51 (4.5') (880-29157-51), CS-52 (4.5') (880-29157-52), SW-1 (1') (880-29157-53), SW-2 (3.5') (880-29157-54) and SW-3 (3.5') (880-29157-55). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Case Narrative

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Job ID: 880-29157-1 (Continued)

Laboratory: Eurofins Midland (Continued)

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-54894 and analytical batch 880-54913 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-54893 and analytical batch 880-54914 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-54891 and analytical batch 880-54915 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-1 (1')

Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Lab Sample ID: 880-29157-1
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+ F1	0.00200		mg/Kg		06/06/23 15:18	06/07/23 04:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:18	06/07/23 04:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:18	06/07/23 04:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/06/23 15:18	06/07/23 04:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:18	06/07/23 04:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/06/23 15:18	06/07/23 04:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*	*06/06/23 15:18*	*06/07/23 04:40*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*06/06/23 15:18*	*06/07/23 04:40*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			06/07/23 10:05	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**76.3**		49.9		mg/Kg			06/07/23 09:22	1

Method: SW846 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		06/06/23 15:33	06/06/23 16:33	1
Diesel Range Organics (Over C10-C28)	**76.3**		49.9		mg/Kg		06/06/23 15:33	06/06/23 16:33	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/06/23 15:33	06/06/23 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*142*	*S1+*	*70 - 130*	*06/06/23 15:33*	*06/06/23 16:33*	*1*
o-Terphenyl	*114*		*70 - 130*	*06/06/23 15:33*	*06/06/23 16:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**549**	**F1**	4.99		mg/Kg			06/06/23 22:55	1

Client Sample ID: CS-2 (1')

Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Lab Sample ID: 880-29157-2
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *+	0.00198		mg/Kg		06/06/23 15:18	06/07/23 05:06	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/06/23 15:18	06/07/23 05:06	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/06/23 15:18	06/07/23 05:06	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/06/23 15:18	06/07/23 05:06	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/06/23 15:18	06/07/23 05:06	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/06/23 15:18	06/07/23 05:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*163*	*S1+*	*70 - 130*	*06/06/23 15:18*	*06/07/23 05:06*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*06/06/23 15:18*	*06/07/23 05:06*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-2 (1')

Lab Sample ID: 880-29157-2
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/07/23 10:05	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/07/23 09:22	1

Method: SW846 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		06/06/23 15:33	06/06/23 17:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/06/23 15:33	06/06/23 17:37	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/06/23 15:33	06/06/23 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*146*	*S1+*	*70 - 130*	*06/06/23 15:33*	*06/06/23 17:37*	*1*
o-Terphenyl	*116*		*70 - 130*	*06/06/23 15:33*	*06/06/23 17:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**643**		5.00		mg/Kg			06/06/23 23:11	1

Client Sample ID: CS-3 (1')

Lab Sample ID: 880-29157-3
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+	0.00199		mg/Kg		06/06/23 15:18	06/07/23 05:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/06/23 15:18	06/07/23 05:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/06/23 15:18	06/07/23 05:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/06/23 15:18	06/07/23 05:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/06/23 15:18	06/07/23 05:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/06/23 15:18	06/07/23 05:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*162*	*S1+*	*70 - 130*	*06/06/23 15:18*	*06/07/23 05:32*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*06/06/23 15:18*	*06/07/23 05:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/07/23 10:05	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/07/23 09:22	1

Method: SW846 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		06/06/23 15:33	06/06/23 17:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/06/23 15:33	06/06/23 17:59	1

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-3 (1')

Lab Sample ID: 880-29157-3
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/06/23 15:33	06/06/23 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*141*	*S1+*	*70 - 130*	*06/06/23 15:33*	*06/06/23 17:59*	*1*
o-Terphenyl	*112*		*70 - 130*	*06/06/23 15:33*	*06/06/23 17:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**688**		4.99		mg/Kg			06/06/23 23:17	1

Client Sample ID: CS-4 (1')

Lab Sample ID: 880-29157-4
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+	0.00199		mg/Kg		06/06/23 15:18	06/07/23 05:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/06/23 15:18	06/07/23 05:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/06/23 15:18	06/07/23 05:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/06/23 15:18	06/07/23 05:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/06/23 15:18	06/07/23 05:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/06/23 15:18	06/07/23 05:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*152*	*S1+*	*70 - 130*	*06/06/23 15:18*	*06/07/23 05:58*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*06/06/23 15:18*	*06/07/23 05:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/07/23 10:05	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/07/23 09:22	1

Method: SW846 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		06/06/23 15:33	06/06/23 18:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/23 15:33	06/06/23 18:21	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/23 15:33	06/06/23 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*144*	*S1+*	*70 - 130*	*06/06/23 15:33*	*06/06/23 18:21*	*1*
o-Terphenyl	*115*		*70 - 130*	*06/06/23 15:33*	*06/06/23 18:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**566**		4.95		mg/Kg			06/06/23 23:22	1

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-5 (1')

Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Lab Sample ID: 880-29157-5
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *+	0.00201		mg/Kg		06/06/23 15:18	06/07/23 06:25	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/06/23 15:18	06/07/23 06:25	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/06/23 15:18	06/07/23 06:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/06/23 15:18	06/07/23 06:25	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/06/23 15:18	06/07/23 06:25	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/06/23 15:18	06/07/23 06:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*147*	*S1+*	*70 - 130*	*06/06/23 15:18*	*06/07/23 06:25*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*06/06/23 15:18*	*06/07/23 06:25*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/07/23 10:05	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/07/23 09:22	1

Method: SW846 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		06/06/23 15:33	06/06/23 18:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/23 15:33	06/06/23 18:43	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/23 15:33	06/06/23 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*140*	*S1+*	*70 - 130*	*06/06/23 15:33*	*06/06/23 18:43*	*1*
o-Terphenyl	*112*		*70 - 130*	*06/06/23 15:33*	*06/06/23 18:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**225**		4.98		mg/Kg			06/06/23 23:27	1

Client Sample ID: CS-6 (1')

Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Lab Sample ID: 880-29157-6
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *+	0.00202		mg/Kg		06/06/23 15:18	06/07/23 06:51	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/06/23 15:18	06/07/23 06:51	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/06/23 15:18	06/07/23 06:51	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/06/23 15:18	06/07/23 06:51	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/06/23 15:18	06/07/23 06:51	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/06/23 15:18	06/07/23 06:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*149*	*S1+*	*70 - 130*	*06/06/23 15:18*	*06/07/23 06:51*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*06/06/23 15:18*	*06/07/23 06:51*	*1*

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-6 (1')

Lab Sample ID: 880-29157-6
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			06/07/23 10:05	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/07/23 09:22	1

Method: SW846 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		06/06/23 15:33	06/06/23 19:04	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/06/23 15:33	06/06/23 19:04	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/06/23 15:33	06/06/23 19:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*137*	*S1+*	*70 - 130*	*06/06/23 15:33*	*06/06/23 19:04*	*1*
o-Terphenyl	*108*		*70 - 130*	*06/06/23 15:33*	*06/06/23 19:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**295**		4.95		mg/Kg			06/06/23 23:43	1

Client Sample ID: CS-7 (1')

Lab Sample ID: 880-29157-7
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+	0.00200		mg/Kg		06/06/23 15:18	06/07/23 07:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:18	06/07/23 07:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:18	06/07/23 07:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/06/23 15:18	06/07/23 07:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:18	06/07/23 07:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/06/23 15:18	06/07/23 07:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*06/06/23 15:18*	*06/07/23 07:18*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*06/06/23 15:18*	*06/07/23 07:18*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/07/23 10:05	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/07/23 09:22	1

Method: SW846 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		06/06/23 15:33	06/06/23 19:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/06/23 15:33	06/06/23 19:26	1

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-7 (1')

Lab Sample ID: 880-29157-7
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/06/23 15:33	06/06/23 19:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*148*	*S1+*	*70 - 130*	*06/06/23 15:33*	*06/06/23 19:26*	*1*
o-Terphenyl	*117*		*70 - 130*	*06/06/23 15:33*	*06/06/23 19:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**444**		5.01		mg/Kg			06/06/23 23:49	1

Client Sample ID: CS-8 (1')

Lab Sample ID: 880-29157-8
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *+	0.00198		mg/Kg		06/06/23 15:18	06/07/23 07:44	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/06/23 15:18	06/07/23 07:44	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/06/23 15:18	06/07/23 07:44	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/06/23 15:18	06/07/23 07:44	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/06/23 15:18	06/07/23 07:44	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/06/23 15:18	06/07/23 07:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*161*	*S1+*	*70 - 130*	*06/06/23 15:18*	*06/07/23 07:44*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*06/06/23 15:18*	*06/07/23 07:44*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/07/23 10:05	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/07/23 09:22	1

Method: SW846 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		06/06/23 15:33	06/06/23 19:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/06/23 15:33	06/06/23 19:49	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/06/23 15:33	06/06/23 19:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*148*	*S1+*	*70 - 130*	*06/06/23 15:33*	*06/06/23 19:49*	*1*
o-Terphenyl	*117*		*70 - 130*	*06/06/23 15:33*	*06/06/23 19:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**329**		5.00		mg/Kg			06/06/23 23:54	1

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-9 (1')

Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Lab Sample ID: 880-29157-9
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *+	0.00202		mg/Kg		06/06/23 15:18	06/07/23 08:10	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/06/23 15:18	06/07/23 08:10	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/06/23 15:18	06/07/23 08:10	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/06/23 15:18	06/07/23 08:10	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/06/23 15:18	06/07/23 08:10	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/06/23 15:18	06/07/23 08:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*148*	*S1+*	*70 - 130*	*06/06/23 15:18*	*06/07/23 08:10*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*06/06/23 15:18*	*06/07/23 08:10*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			06/07/23 10:05	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/07/23 09:22	1

Method: SW846 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		06/06/23 15:33	06/06/23 20:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/23 15:33	06/06/23 20:11	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/23 15:33	06/06/23 20:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*148*	*S1+*	*70 - 130*	*06/06/23 15:33*	*06/06/23 20:11*	*1*
o-Terphenyl	*117*		*70 - 130*	*06/06/23 15:33*	*06/06/23 20:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**887**		4.98		mg/Kg			06/06/23 23:59	1

Client Sample ID: CS-10 (1')

Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Lab Sample ID: 880-29157-10
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *+	0.00201		mg/Kg		06/06/23 15:18	06/07/23 08:36	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/06/23 15:18	06/07/23 08:36	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/06/23 15:18	06/07/23 08:36	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/06/23 15:18	06/07/23 08:36	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/06/23 15:18	06/07/23 08:36	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/06/23 15:18	06/07/23 08:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*148*	*S1+*	*70 - 130*	*06/06/23 15:18*	*06/07/23 08:36*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*06/06/23 15:18*	*06/07/23 08:36*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-10 (1')

Lab Sample ID: 880-29157-10
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/07/23 10:05	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**102**		49.9		mg/Kg			06/07/23 09:22	1

Method: SW846 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		06/06/23 15:33	06/06/23 20:32	1
Diesel Range Organics (Over C10-C28)	**102**		49.9		mg/Kg		06/06/23 15:33	06/06/23 20:32	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/06/23 15:33	06/06/23 20:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*152*	*S1+*	*70 - 130*	*06/06/23 15:33*	*06/06/23 20:32*	*1*
o-Terphenyl	*120*		*70 - 130*	*06/06/23 15:33*	*06/06/23 20:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**588**		5.02		mg/Kg			06/07/23 00:05	1

Client Sample ID: CS-11 (1')

Lab Sample ID: 880-29157-11
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+	0.00200		mg/Kg		06/06/23 15:18	06/07/23 10:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:18	06/07/23 10:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:18	06/07/23 10:19	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/06/23 15:18	06/07/23 10:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:18	06/07/23 10:19	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/06/23 15:18	06/07/23 10:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*06/06/23 15:18*	*06/07/23 10:19*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*06/06/23 15:18*	*06/07/23 10:19*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/07/23 17:24	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/07/23 09:22	1

Method: SW846 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		06/06/23 15:33	06/06/23 21:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/23 15:33	06/06/23 21:17	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-11 (1')

Lab Sample ID: 880-29157-11
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/23 15:33	06/06/23 21:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*148*	*S1+*	*70 - 130*	*06/06/23 15:33*	*06/06/23 21:17*	*1*
o-Terphenyl	*117*		*70 - 130*	*06/06/23 15:33*	*06/06/23 21:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**320**		4.99		mg/Kg			06/07/23 00:10	1

Client Sample ID: CS-12 (1')

Lab Sample ID: 880-29157-12
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+	0.00199		mg/Kg		06/06/23 15:18	06/07/23 10:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/06/23 15:18	06/07/23 10:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/06/23 15:18	06/07/23 10:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/06/23 15:18	06/07/23 10:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/06/23 15:18	06/07/23 10:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/06/23 15:18	06/07/23 10:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*06/06/23 15:18*	*06/07/23 10:45*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*06/06/23 15:18*	*06/07/23 10:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/07/23 17:24	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/07/23 09:22	1

Method: SW846 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		06/06/23 15:33	06/06/23 21:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/06/23 15:33	06/06/23 21:38	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/06/23 15:33	06/06/23 21:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*147*	*S1+*	*70 - 130*	*06/06/23 15:33*	*06/06/23 21:38*	*1*
o-Terphenyl	*117*		*70 - 130*	*06/06/23 15:33*	*06/06/23 21:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**838**		5.02		mg/Kg			06/07/23 00:26	1

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-13 (1')

Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Lab Sample ID: 880-29157-13
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *+	0.00201		mg/Kg		06/06/23 15:18	06/07/23 11:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/06/23 15:18	06/07/23 11:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/06/23 15:18	06/07/23 11:11	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/06/23 15:18	06/07/23 11:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/06/23 15:18	06/07/23 11:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/06/23 15:18	06/07/23 11:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*147*	*S1+*	*70 - 130*	*06/06/23 15:18*	*06/07/23 11:11*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*06/06/23 15:18*	*06/07/23 11:11*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/07/23 17:24	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/07/23 09:22	1

Method: SW846 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		06/06/23 15:33	06/06/23 22:00	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/06/23 15:33	06/06/23 22:00	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/06/23 15:33	06/06/23 22:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*147*	*S1+*	*70 - 130*	*06/06/23 15:33*	*06/06/23 22:00*	*1*
o-Terphenyl	*116*		*70 - 130*	*06/06/23 15:33*	*06/06/23 22:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**511**		4.95		mg/Kg			06/07/23 00:31	1

Client Sample ID: CS-14 (1')

Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Lab Sample ID: 880-29157-14
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *+	0.00202		mg/Kg		06/06/23 15:18	06/07/23 11:36	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/06/23 15:18	06/07/23 11:36	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/06/23 15:18	06/07/23 11:36	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/06/23 15:18	06/07/23 11:36	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/06/23 15:18	06/07/23 11:36	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/06/23 15:18	06/07/23 11:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*147*	*S1+*	*70 - 130*	*06/06/23 15:18*	*06/07/23 11:36*	*1*
1,4-Difluorobenzene (Surr)	*28*	*S1-*	*70 - 130*	*06/06/23 15:18*	*06/07/23 11:36*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-14 (1')

Lab Sample ID: 880-29157-14
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			06/07/23 17:24	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/07/23 09:22	1

Method: SW846 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		06/06/23 15:33	06/06/23 22:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/06/23 15:33	06/06/23 22:22	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/06/23 15:33	06/06/23 22:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*151*	*S1+*	*70 - 130*	*06/06/23 15:33*	*06/06/23 22:22*	*1*
o-Terphenyl	*120*		*70 - 130*	*06/06/23 15:33*	*06/06/23 22:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**317**		5.03		mg/Kg			06/07/23 00:47	1

Client Sample ID: CS-15 (1')

Lab Sample ID: 880-29157-15
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *+	0.00198		mg/Kg		06/06/23 15:18	06/07/23 12:02	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/06/23 15:18	06/07/23 12:02	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/06/23 15:18	06/07/23 12:02	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/06/23 15:18	06/07/23 12:02	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/06/23 15:18	06/07/23 12:02	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/06/23 15:18	06/07/23 12:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*141*	*S1+*	*70 - 130*	*06/06/23 15:18*	*06/07/23 12:02*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*06/06/23 15:18*	*06/07/23 12:02*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/07/23 17:24	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**58.2**		49.9		mg/Kg			06/07/23 09:22	1

Method: SW846 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		06/06/23 15:33	06/06/23 22:43	1
Diesel Range Organics (Over C10-C28)	**58.2**		49.9		mg/Kg		06/06/23 15:33	06/06/23 22:43	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-15 (1')

Lab Sample ID: 880-29157-15
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/06/23 15:33	06/06/23 22:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*147*	*S1+*	*70 - 130*	*06/06/23 15:33*	*06/06/23 22:43*	*1*
o-Terphenyl	*116*		*70 - 130*	*06/06/23 15:33*	*06/06/23 22:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**308**		4.97		mg/Kg			06/07/23 00:53	1

Client Sample ID: CS-16 (1')

Lab Sample ID: 880-29157-16
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+	0.00200		mg/Kg		06/06/23 15:18	06/07/23 12:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:18	06/07/23 12:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:18	06/07/23 12:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/06/23 15:18	06/07/23 12:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:18	06/07/23 12:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/06/23 15:18	06/07/23 12:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*147*	*S1+*	*70 - 130*	*06/06/23 15:18*	*06/07/23 12:29*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*06/06/23 15:18*	*06/07/23 12:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/07/23 17:24	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**105**		49.8		mg/Kg			06/07/23 09:22	1

Method: SW846 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		06/06/23 15:33	06/06/23 23:05	1
Diesel Range Organics (Over C10-C28)	**105**		49.8		mg/Kg		06/06/23 15:33	06/06/23 23:05	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/06/23 15:33	06/06/23 23:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*144*	*S1+*	*70 - 130*	*06/06/23 15:33*	*06/06/23 23:05*	*1*
o-Terphenyl	*114*		*70 - 130*	*06/06/23 15:33*	*06/06/23 23:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**330**		4.98		mg/Kg			06/07/23 00:58	1

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-17 (1')

Lab Sample ID: 880-29157-17
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+	0.00200		mg/Kg		06/06/23 15:18	06/07/23 12:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:18	06/07/23 12:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:18	06/07/23 12:55	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/06/23 15:18	06/07/23 12:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:18	06/07/23 12:55	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/06/23 15:18	06/07/23 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*152*	*S1+*	*70 - 130*	*06/06/23 15:18*	*06/07/23 12:55*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*06/06/23 15:18*	*06/07/23 12:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/07/23 17:24	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**441**		50.0		mg/Kg			06/07/23 09:22	1

Method: SW846 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		06/06/23 15:33	06/06/23 23:27	1
Diesel Range Organics (Over C10-C28)	**441**		50.0		mg/Kg		06/06/23 15:33	06/06/23 23:27	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/23 15:33	06/06/23 23:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*149*	*S1+*	*70 - 130*	*06/06/23 15:33*	*06/06/23 23:27*	*1*
o-Terphenyl	*117*		*70 - 130*	*06/06/23 15:33*	*06/06/23 23:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**361**		5.04		mg/Kg			06/07/23 01:04	1

Client Sample ID: CS-18 (1')

Lab Sample ID: 880-29157-18
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+	0.00199		mg/Kg		06/06/23 15:18	06/07/23 13:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/06/23 15:18	06/07/23 13:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/06/23 15:18	06/07/23 13:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/06/23 15:18	06/07/23 13:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/06/23 15:18	06/07/23 13:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/06/23 15:18	06/07/23 13:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*146*	*S1+*	*70 - 130*	*06/06/23 15:18*	*06/07/23 13:21*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*06/06/23 15:18*	*06/07/23 13:21*	*1*

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Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-18 (1')

Lab Sample ID: 880-29157-18
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/07/23 17:24	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**319**		50.0		mg/Kg			06/07/23 09:22	1

Method: SW846 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		06/06/23 15:33	06/06/23 23:48	1
Diesel Range Organics (Over C10-C28)	**319**		50.0		mg/Kg		06/06/23 15:33	06/06/23 23:48	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/23 15:33	06/06/23 23:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*151*	*S1+*	*70 - 130*	*06/06/23 15:33*	*06/06/23 23:48*	*1*
o-Terphenyl	*118*		*70 - 130*	*06/06/23 15:33*	*06/06/23 23:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**537**		5.02		mg/Kg			06/07/23 01:09	1

Client Sample ID: CS-19 (1')

Lab Sample ID: 880-29157-19
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *+	0.00198		mg/Kg		06/06/23 15:18	06/07/23 13:46	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/06/23 15:18	06/07/23 13:46	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/06/23 15:18	06/07/23 13:46	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/06/23 15:18	06/07/23 13:46	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/06/23 15:18	06/07/23 13:46	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/06/23 15:18	06/07/23 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*145*	*S1+*	*70 - 130*	*06/06/23 15:18*	*06/07/23 13:46*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*06/06/23 15:18*	*06/07/23 13:46*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/07/23 17:24	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**275**		49.9		mg/Kg			06/07/23 09:22	1

Method: SW846 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		06/06/23 15:33	06/07/23 00:10	1
Diesel Range Organics (Over C10-C28)	**275**		49.9		mg/Kg		06/06/23 15:33	06/07/23 00:10	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-19 (1')

Lab Sample ID: 880-29157-19
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/06/23 15:33	06/07/23 00:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*142*	*S1+*	*70 - 130*	*06/06/23 15:33*	*06/07/23 00:10*	*1*
o-Terphenyl	*113*		*70 - 130*	*06/06/23 15:33*	*06/07/23 00:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**484**		5.02		mg/Kg			06/07/23 01:14	1

Client Sample ID: CS-20 (1')

Lab Sample ID: 880-29157-20
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *+	0.00201		mg/Kg		06/06/23 15:18	06/07/23 14:12	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/06/23 15:18	06/07/23 14:12	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/06/23 15:18	06/07/23 14:12	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/06/23 15:18	06/07/23 14:12	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/06/23 15:18	06/07/23 14:12	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/06/23 15:18	06/07/23 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*147*	*S1+*	*70 - 130*	*06/06/23 15:18*	*06/07/23 14:12*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*06/06/23 15:18*	*06/07/23 14:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/07/23 17:24	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/07/23 09:22	1

Method: SW846 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		06/06/23 15:33	06/07/23 00:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/23 15:33	06/07/23 00:32	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/23 15:33	06/07/23 00:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*144*	*S1+*	*70 - 130*	*06/06/23 15:33*	*06/07/23 00:32*	*1*
o-Terphenyl	*114*		*70 - 130*	*06/06/23 15:33*	*06/07/23 00:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**187**		4.99		mg/Kg			06/07/23 01:20	1

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-21 (1')

Lab Sample ID: 880-29157-21
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+	0.00200		mg/Kg		06/06/23 15:26	06/06/23 23:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:26	06/06/23 23:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:26	06/06/23 23:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/06/23 15:26	06/06/23 23:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:26	06/06/23 23:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/06/23 15:26	06/06/23 23:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*	*06/06/23 15:26*	*06/06/23 23:06*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/06/23 15:26*	*06/06/23 23:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			06/07/23 17:15	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**52.1**		50.0		mg/Kg			06/07/23 09:29	1

Method: SW846 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		06/06/23 15:35	06/06/23 16:33	1
Diesel Range Organics (Over C10-C28)	**52.1**		50.0		mg/Kg		06/06/23 15:35	06/06/23 16:33	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/23 15:35	06/06/23 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*06/06/23 15:35*	*06/06/23 16:33*	*1*
o-Terphenyl	*152*	*S1+*	*70 - 130*	*06/06/23 15:35*	*06/06/23 16:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**191**	**F1**	4.96		mg/Kg			06/06/23 19:49	1

Client Sample ID: CS-22 (1')

Lab Sample ID: 880-29157-22
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *+	0.00202		mg/Kg		06/06/23 15:26	06/06/23 23:26	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/06/23 15:26	06/06/23 23:26	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/06/23 15:26	06/06/23 23:26	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/06/23 15:26	06/06/23 23:26	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/06/23 15:26	06/06/23 23:26	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/06/23 15:26	06/06/23 23:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*	*06/06/23 15:26*	*06/06/23 23:26*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*06/06/23 15:26*	*06/06/23 23:26*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-22 (1')

Lab Sample ID: 880-29157-22
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			06/07/23 17:15	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/07/23 09:29	1

Method: SW846 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		06/06/23 15:35	06/06/23 17:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/06/23 15:35	06/06/23 17:37	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/06/23 15:35	06/06/23 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*06/06/23 15:35*	*06/06/23 17:37*	*1*
o-Terphenyl	*146*	*S1+*	*70 - 130*	*06/06/23 15:35*	*06/06/23 17:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**196**		4.99		mg/Kg			06/06/23 20:05	1

Client Sample ID: CS-23 (1')

Lab Sample ID: 880-29157-23
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+	0.00199		mg/Kg		06/06/23 15:26	06/06/23 23:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/06/23 15:26	06/06/23 23:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/06/23 15:26	06/06/23 23:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/06/23 15:26	06/06/23 23:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/06/23 15:26	06/06/23 23:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/06/23 15:26	06/06/23 23:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*06/06/23 15:26*	*06/06/23 23:47*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*06/06/23 15:26*	*06/06/23 23:47*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/07/23 17:15	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/07/23 09:29	1

Method: SW846 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		06/06/23 15:35	06/06/23 17:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/06/23 15:35	06/06/23 17:59	1

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-23 (1')

Lab Sample ID: 880-29157-23
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/06/23 15:35	06/06/23 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*06/06/23 15:35*	*06/06/23 17:59*	*1*
o-Terphenyl	*141*	*S1+*	*70 - 130*	*06/06/23 15:35*	*06/06/23 17:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**228**		5.02		mg/Kg			06/06/23 20:10	1

Client Sample ID: CS-24 (1')

Lab Sample ID: 880-29157-24
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *+	0.00198		mg/Kg		06/06/23 15:26	06/07/23 00:07	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/06/23 15:26	06/07/23 00:07	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/06/23 15:26	06/07/23 00:07	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/06/23 15:26	06/07/23 00:07	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/06/23 15:26	06/07/23 00:07	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/06/23 15:26	06/07/23 00:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*70 - 130*	*06/06/23 15:26*	*06/07/23 00:07*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*06/06/23 15:26*	*06/07/23 00:07*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/07/23 17:15	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/07/23 09:29	1

Method: SW846 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		06/06/23 15:35	06/06/23 18:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/23 15:35	06/06/23 18:21	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/23 15:35	06/06/23 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*06/06/23 15:35*	*06/06/23 18:21*	*1*
o-Terphenyl	*141*	*S1+*	*70 - 130*	*06/06/23 15:35*	*06/06/23 18:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**233**		5.03		mg/Kg			06/06/23 20:15	1

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-25 (1')

Lab Sample ID: 880-29157-25
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *+	0.00201		mg/Kg		06/06/23 15:26	06/07/23 00:28	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/06/23 15:26	06/07/23 00:28	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/06/23 15:26	06/07/23 00:28	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/06/23 15:26	06/07/23 00:28	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/06/23 15:26	06/07/23 00:28	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/06/23 15:26	06/07/23 00:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*06/06/23 15:26*	*06/07/23 00:28*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*06/06/23 15:26*	*06/07/23 00:28*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/07/23 17:15	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/07/23 09:29	1

Method: SW846 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		06/06/23 15:35	06/06/23 18:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/06/23 15:35	06/06/23 18:43	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/06/23 15:35	06/06/23 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*06/06/23 15:35*	*06/06/23 18:43*	*1*
o-Terphenyl	*138*	*S1+*	*70 - 130*	*06/06/23 15:35*	*06/06/23 18:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**267**		4.98		mg/Kg			06/06/23 20:21	1

Client Sample ID: CS-26 (1')

Lab Sample ID: 880-29157-26
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+	0.00200		mg/Kg		06/06/23 15:26	06/07/23 00:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:26	06/07/23 00:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:26	06/07/23 00:48	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/06/23 15:26	06/07/23 00:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:26	06/07/23 00:48	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/06/23 15:26	06/07/23 00:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*06/06/23 15:26*	*06/07/23 00:48*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*06/06/23 15:26*	*06/07/23 00:48*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-26 (1')

Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Lab Sample ID: 880-29157-26
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/07/23 17:15	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/07/23 09:29	1

Method: SW846 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		06/06/23 15:35	06/06/23 19:04	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/06/23 15:35	06/06/23 19:04	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/06/23 15:35	06/06/23 19:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*06/06/23 15:35*	*06/06/23 19:04*	*1*
o-Terphenyl	*157*	*S1+*	*70 - 130*	*06/06/23 15:35*	*06/06/23 19:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**248**		4.99		mg/Kg			06/06/23 20:37	1

Client Sample ID: CS-27 (4.5')

Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Lab Sample ID: 880-29157-27
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+	0.00199		mg/Kg		06/06/23 15:26	06/07/23 01:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/06/23 15:26	06/07/23 01:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/06/23 15:26	06/07/23 01:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/06/23 15:26	06/07/23 01:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/06/23 15:26	06/07/23 01:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/06/23 15:26	06/07/23 01:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*06/06/23 15:26*	*06/07/23 01:09*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*06/06/23 15:26*	*06/07/23 01:09*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/07/23 17:15	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/07/23 09:29	1

Method: SW846 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		06/06/23 15:35	06/06/23 19:26	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/06/23 15:35	06/06/23 19:26	1

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-27 (4.5')

Lab Sample ID: 880-29157-27
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/06/23 15:35	06/06/23 19:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*06/06/23 15:35*	*06/06/23 19:26*	*1*
o-Terphenyl	*122*		*70 - 130*	*06/06/23 15:35*	*06/06/23 19:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**105**		4.99		mg/Kg			06/06/23 20:42	1

Client Sample ID: CS-28 (4.5')

Lab Sample ID: 880-29157-28
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *+	0.00198		mg/Kg		06/06/23 15:26	06/07/23 01:29	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/06/23 15:26	06/07/23 01:29	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/06/23 15:26	06/07/23 01:29	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/06/23 15:26	06/07/23 01:29	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/06/23 15:26	06/07/23 01:29	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/06/23 15:26	06/07/23 01:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*06/06/23 15:26*	*06/07/23 01:29*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*06/06/23 15:26*	*06/07/23 01:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/07/23 17:15	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/07/23 09:29	1

Method: SW846 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		06/06/23 15:35	06/06/23 19:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/23 15:35	06/06/23 19:49	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/23 15:35	06/06/23 19:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*06/06/23 15:35*	*06/06/23 19:49*	*1*
o-Terphenyl	*121*		*70 - 130*	*06/06/23 15:35*	*06/06/23 19:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**87.3**		5.00		mg/Kg			06/06/23 20:47	1

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-29 (4.5')

Lab Sample ID: 880-29157-29
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *+	0.00202		mg/Kg		06/06/23 15:26	06/07/23 01:50	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/06/23 15:26	06/07/23 01:50	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/06/23 15:26	06/07/23 01:50	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/06/23 15:26	06/07/23 01:50	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/06/23 15:26	06/07/23 01:50	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/06/23 15:26	06/07/23 01:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*06/06/23 15:26*	*06/07/23 01:50*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*06/06/23 15:26*	*06/07/23 01:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			06/07/23 17:15	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/07/23 09:29	1

Method: SW846 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		06/06/23 15:35	06/06/23 20:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/06/23 15:35	06/06/23 20:11	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/06/23 15:35	06/06/23 20:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*129*		*70 - 130*	*06/06/23 15:35*	*06/06/23 20:11*	*1*
o-Terphenyl	*143*	*S1+*	*70 - 130*	*06/06/23 15:35*	*06/06/23 20:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3780**		50.1		mg/Kg			06/06/23 20:53	10

Client Sample ID: CS-30 (4.5')

Lab Sample ID: 880-29157-30
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+	0.00200		mg/Kg		06/06/23 15:26	06/07/23 02:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:26	06/07/23 02:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:26	06/07/23 02:11	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/06/23 15:26	06/07/23 02:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:26	06/07/23 02:11	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/06/23 15:26	06/07/23 02:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*06/06/23 15:26*	*06/07/23 02:11*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*06/06/23 15:26*	*06/07/23 02:11*	*1*

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Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-30 (4.5')

Lab Sample ID: 880-29157-30
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/07/23 17:15	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**369**		49.9		mg/Kg			06/07/23 09:29	1

Method: SW846 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		06/06/23 15:35	06/06/23 20:32	1
Diesel Range Organics (Over C10-C28)	**303**		49.9		mg/Kg		06/06/23 15:35	06/06/23 20:32	1
Oil Range Organics (Over C28-C36)	**66.2**		49.9		mg/Kg		06/06/23 15:35	06/06/23 20:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*06/06/23 15:35*	*06/06/23 20:32*	*1*
o-Terphenyl	*138*	*S1+*	*70 - 130*	*06/06/23 15:35*	*06/06/23 20:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3550**		50.4		mg/Kg			06/06/23 20:58	10

Client Sample ID: CS-31 (4.5')

Lab Sample ID: 880-29157-31
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+	0.00200		mg/Kg		06/06/23 15:26	06/07/23 03:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:26	06/07/23 03:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:26	06/07/23 03:34	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/06/23 15:26	06/07/23 03:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:26	06/07/23 03:34	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/06/23 15:26	06/07/23 03:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*	*06/06/23 15:26*	*06/07/23 03:34*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*06/06/23 15:26*	*06/07/23 03:34*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/07/23 17:15	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/07/23 09:29	1

Method: SW846 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		06/06/23 15:35	06/06/23 21:17	1

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-31 (4.5')

Lab Sample ID: 880-29157-31
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 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		06/06/23 15:35	06/06/23 21:17	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/06/23 15:35	06/06/23 21:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*129*		*70 - 130*	*06/06/23 15:35*	*06/06/23 21:17*	*1*
o-Terphenyl	*150*	*S1+*	*70 - 130*	*06/06/23 15:35*	*06/06/23 21:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**849**		24.9		mg/Kg			06/06/23 21:03	5

Client Sample ID: CS-32 (4.5')

Lab Sample ID: 880-29157-32
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+	0.00200		mg/Kg		06/06/23 15:26	06/07/23 03:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:26	06/07/23 03:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:26	06/07/23 03:54	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/06/23 15:26	06/07/23 03:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:26	06/07/23 03:54	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/06/23 15:26	06/07/23 03:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*06/06/23 15:26*	*06/07/23 03:54*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*06/06/23 15:26*	*06/07/23 03:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/07/23 17:15	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/07/23 09:29	1

Method: SW846 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		06/06/23 15:35	06/06/23 21:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/06/23 15:35	06/06/23 21:38	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/06/23 15:35	06/06/23 21:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*06/06/23 15:35*	*06/06/23 21:38*	*1*
o-Terphenyl	*134*	*S1+*	*70 - 130*	*06/06/23 15:35*	*06/06/23 21:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**290**		5.02		mg/Kg			06/06/23 21:19	1

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-33 (4.5')

Lab Sample ID: 880-29157-33
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *+	0.00198		mg/Kg		06/06/23 15:26	06/07/23 04:15	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/06/23 15:26	06/07/23 04:15	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/06/23 15:26	06/07/23 04:15	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/06/23 15:26	06/07/23 04:15	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/06/23 15:26	06/07/23 04:15	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/06/23 15:26	06/07/23 04:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*06/06/23 15:26*	*06/07/23 04:15*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*06/06/23 15:26*	*06/07/23 04:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/07/23 17:15	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/07/23 09:29	1

Method: SW846 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		06/06/23 15:35	06/06/23 22:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/23 15:35	06/06/23 22:00	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/23 15:35	06/06/23 22:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*06/06/23 15:35*	*06/06/23 22:00*	*1*
o-Terphenyl	*129*		*70 - 130*	*06/06/23 15:35*	*06/06/23 22:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**241**		4.95		mg/Kg			06/06/23 21:25	1

Client Sample ID: CS-34 (4.5')

Lab Sample ID: 880-29157-34
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *+	0.00198		mg/Kg		06/06/23 15:26	06/07/23 04:35	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/06/23 15:26	06/07/23 04:35	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/06/23 15:26	06/07/23 04:35	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/06/23 15:26	06/07/23 04:35	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/06/23 15:26	06/07/23 04:35	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/06/23 15:26	06/07/23 04:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*06/06/23 15:26*	*06/07/23 04:35*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*06/06/23 15:26*	*06/07/23 04:35*	*1*

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Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-34 (4.5')

Lab Sample ID: 880-29157-34
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/07/23 17:15	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**62.0**		49.9		mg/Kg			06/07/23 09:29	1

Method: SW846 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		06/06/23 15:35	06/06/23 22:22	1
Diesel Range Organics (Over C10-C28)	**62.0**		49.9		mg/Kg		06/06/23 15:35	06/06/23 22:22	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/06/23 15:35	06/06/23 22:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*129*		*70 - 130*	*06/06/23 15:35*	*06/06/23 22:22*	*1*
o-Terphenyl	*152*	*S1+*	*70 - 130*	*06/06/23 15:35*	*06/06/23 22:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1760**		25.1		mg/Kg			06/06/23 21:41	5

Client Sample ID: CS-35 (4.5')

Lab Sample ID: 880-29157-35
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+	0.00200		mg/Kg		06/06/23 15:26	06/07/23 04:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:26	06/07/23 04:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:26	06/07/23 04:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/06/23 15:26	06/07/23 04:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:26	06/07/23 04:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/06/23 15:26	06/07/23 04:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*06/06/23 15:26*	*06/07/23 04:56*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*06/06/23 15:26*	*06/07/23 04:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			06/07/23 17:15	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/07/23 09:29	1

Method: SW846 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		06/06/23 15:35	06/06/23 22:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/23 15:35	06/06/23 22:43	1

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-35 (4.5')

Lab Sample ID: 880-29157-35
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/23 15:35	06/06/23 22:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*06/06/23 15:35*	*06/06/23 22:43*	*1*
o-Terphenyl	*149*	*S1+*	*70 - 130*	*06/06/23 15:35*	*06/06/23 22:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**507**		25.0		mg/Kg			06/06/23 21:46	5

Client Sample ID: CS-36 (4.5')

Lab Sample ID: 880-29157-36
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+	0.00200		mg/Kg		06/06/23 15:26	06/07/23 05:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:26	06/07/23 05:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:26	06/07/23 05:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/06/23 15:26	06/07/23 05:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:26	06/07/23 05:16	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/06/23 15:26	06/07/23 05:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*06/06/23 15:26*	*06/07/23 05:16*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*06/06/23 15:26*	*06/07/23 05:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			06/07/23 17:15	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/07/23 09:29	1

Method: SW846 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		06/06/23 15:35	06/06/23 23:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/23 15:35	06/06/23 23:05	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/23 15:35	06/06/23 23:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*06/06/23 15:35*	*06/06/23 23:05*	*1*
o-Terphenyl	*140*	*S1+*	*70 - 130*	*06/06/23 15:35*	*06/06/23 23:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**461**		25.2		mg/Kg			06/06/23 21:51	5

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-37 (4.5')

Lab Sample ID: 880-29157-37
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *+	0.00198		mg/Kg		06/06/23 15:26	06/07/23 05:37	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/06/23 15:26	06/07/23 05:37	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/06/23 15:26	06/07/23 05:37	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/06/23 15:26	06/07/23 05:37	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/06/23 15:26	06/07/23 05:37	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/06/23 15:26	06/07/23 05:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*	*06/06/23 15:26*	*06/07/23 05:37*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/06/23 15:26*	*06/07/23 05:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/07/23 17:15	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**369**		49.8		mg/Kg			06/07/23 09:29	1

Method: SW846 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		06/06/23 15:35	06/06/23 23:27	1
Diesel Range Organics (Over C10-C28)	**284**		49.8		mg/Kg		06/06/23 15:35	06/06/23 23:27	1
Oil Range Organics (Over C28-C36)	**85.4**		49.8		mg/Kg		06/06/23 15:35	06/06/23 23:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*06/06/23 15:35*	*06/06/23 23:27*	*1*
o-Terphenyl	*139*	*S1+*	*70 - 130*	*06/06/23 15:35*	*06/06/23 23:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**538**		25.2		mg/Kg			06/06/23 21:57	5

Client Sample ID: CS-38 (4.5')

Lab Sample ID: 880-29157-38
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *+	0.00201		mg/Kg		06/06/23 15:26	06/07/23 05:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/06/23 15:26	06/07/23 05:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/06/23 15:26	06/07/23 05:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/06/23 15:26	06/07/23 05:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/06/23 15:26	06/07/23 05:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/06/23 15:26	06/07/23 05:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*	*06/06/23 15:26*	*06/07/23 05:57*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/06/23 15:26*	*06/07/23 05:57*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-38 (4.5')

Lab Sample ID: 880-29157-38
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/07/23 17:15	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/07/23 09:29	1

Method: SW846 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		06/06/23 15:35	06/06/23 23:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/06/23 15:35	06/06/23 23:48	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/06/23 15:35	06/06/23 23:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*134*	*S1+*	*70 - 130*	*06/06/23 15:35*	*06/06/23 23:48*	*1*
o-Terphenyl	*154*	*S1+*	*70 - 130*	*06/06/23 15:35*	*06/06/23 23:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**242**		4.97		mg/Kg			06/06/23 22:02	1

Client Sample ID: CS-39 (4.5')

Lab Sample ID: 880-29157-39
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *+	0.00202		mg/Kg		06/06/23 15:26	06/07/23 06:18	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/06/23 15:26	06/07/23 06:18	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/06/23 15:26	06/07/23 06:18	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/06/23 15:26	06/07/23 06:18	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/06/23 15:26	06/07/23 06:18	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/06/23 15:26	06/07/23 06:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*06/06/23 15:26*	*06/07/23 06:18*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*06/06/23 15:26*	*06/07/23 06:18*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			06/07/23 17:15	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/07/23 09:29	1

Method: SW846 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		06/06/23 15:35	06/07/23 00:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/23 15:35	06/07/23 00:10	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-39 (4.5')

Lab Sample ID: 880-29157-39
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/23 15:35	06/07/23 00:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*06/06/23 15:35*	*06/07/23 00:10*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*06/06/23 15:35*	*06/07/23 00:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**142**		4.96		mg/Kg			06/06/23 22:07	1

Client Sample ID: CS-40 (4.5')

Lab Sample ID: 880-29157-40
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+	0.00199		mg/Kg		06/06/23 15:26	06/07/23 06:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/06/23 15:26	06/07/23 06:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/06/23 15:26	06/07/23 06:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/06/23 15:26	06/07/23 06:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/06/23 15:26	06/07/23 06:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/06/23 15:26	06/07/23 06:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*	*06/06/23 15:26*	*06/07/23 06:38*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*06/06/23 15:26*	*06/07/23 06:38*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/07/23 17:15	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/07/23 09:29	1

Method: SW846 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		06/06/23 15:35	06/07/23 00:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/23 15:35	06/07/23 00:32	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/23 15:35	06/07/23 00:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*06/06/23 15:35*	*06/07/23 00:32*	*1*
o-Terphenyl	*137*	*S1+*	*70 - 130*	*06/06/23 15:35*	*06/07/23 00:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**653**		5.05		mg/Kg			06/06/23 22:13	1

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-41 (4.5')

Lab Sample ID: 880-29157-41
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/07/23 09:05	06/07/23 13:14	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/07/23 09:05	06/07/23 13:14	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/07/23 09:05	06/07/23 13:14	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/07/23 09:05	06/07/23 13:14	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/07/23 09:05	06/07/23 13:14	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/07/23 09:05	06/07/23 13:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*06/07/23 09:05*	*06/07/23 13:14*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*06/07/23 09:05*	*06/07/23 13:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/08/23 09:57	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/07/23 09:22	1

Method: SW846 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		06/06/23 15:37	06/07/23 03:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/06/23 15:37	06/07/23 03:04	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/06/23 15:37	06/07/23 03:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*158*	*S1+*	*70 - 130*	*06/06/23 15:37*	*06/07/23 03:04*	*1*
o-Terphenyl	*121*		*70 - 130*	*06/06/23 15:37*	*06/07/23 03:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1000**		25.3		mg/Kg			06/06/23 21:44	5

Client Sample ID: CS-42 (4.5')

Lab Sample ID: 880-29157-42
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/07/23 09:05	06/07/23 13:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/07/23 09:05	06/07/23 13:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/07/23 09:05	06/07/23 13:34	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/07/23 09:05	06/07/23 13:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/07/23 09:05	06/07/23 13:34	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/07/23 09:05	06/07/23 13:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*06/07/23 09:05*	*06/07/23 13:34*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*06/07/23 09:05*	*06/07/23 13:34*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-42 (4.5')

Lab Sample ID: 880-29157-42
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/08/23 09:57	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/07/23 09:22	1

Method: SW846 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		06/06/23 15:37	06/07/23 04:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/06/23 15:37	06/07/23 04:09	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/06/23 15:37	06/07/23 04:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*148*	*S1+*	*70 - 130*	*06/06/23 15:37*	*06/07/23 04:09*	*1*
o-Terphenyl	*115*		*70 - 130*	*06/06/23 15:37*	*06/07/23 04:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**217**		5.03		mg/Kg			06/06/23 22:00	1

Client Sample ID: CS-43 (4.5')

Lab Sample ID: 880-29157-43
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/07/23 09:05	06/07/23 13:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/07/23 09:05	06/07/23 13:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/07/23 09:05	06/07/23 13:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/07/23 09:05	06/07/23 13:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/07/23 09:05	06/07/23 13:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/07/23 09:05	06/07/23 13:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*06/07/23 09:05*	*06/07/23 13:55*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*06/07/23 09:05*	*06/07/23 13:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/08/23 09:57	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/07/23 09:22	1

Method: SW846 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		06/06/23 15:37	06/07/23 04:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/23 15:37	06/07/23 04:32	1

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-43 (4.5')

Lab Sample ID: 880-29157-43
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/23 15:37	06/07/23 04:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*149*	*S1+*	*70 - 130*	*06/06/23 15:37*	*06/07/23 04:32*	*1*
o-Terphenyl	*118*		*70 - 130*	*06/06/23 15:37*	*06/07/23 04:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**79.4**		4.99		mg/Kg			06/06/23 22:06	1

Client Sample ID: CS-44 (4.5')

Lab Sample ID: 880-29157-44
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/07/23 09:05	06/07/23 14:15	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/07/23 09:05	06/07/23 14:15	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/07/23 09:05	06/07/23 14:15	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/07/23 09:05	06/07/23 14:15	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/07/23 09:05	06/07/23 14:15	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/07/23 09:05	06/07/23 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*06/07/23 09:05*	*06/07/23 14:15*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*06/07/23 09:05*	*06/07/23 14:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/08/23 09:57	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**375**		49.8		mg/Kg			06/07/23 09:22	1

Method: SW846 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		06/06/23 15:37	06/07/23 05:15	1
Diesel Range Organics (Over C10-C28)	**375**		49.8		mg/Kg		06/06/23 15:37	06/07/23 05:15	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/06/23 15:37	06/07/23 05:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*154*	*S1+*	*70 - 130*	*06/06/23 15:37*	*06/07/23 05:15*	*1*
o-Terphenyl	*121*		*70 - 130*	*06/06/23 15:37*	*06/07/23 05:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**631**		4.96		mg/Kg			06/06/23 22:11	1

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-45 (4.5')

Lab Sample ID: 880-29157-45
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/07/23 09:05	06/07/23 14:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/07/23 09:05	06/07/23 14:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/07/23 09:05	06/07/23 14:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/07/23 09:05	06/07/23 14:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/07/23 09:05	06/07/23 14:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/07/23 09:05	06/07/23 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*06/07/23 09:05*	*06/07/23 14:36*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*06/07/23 09:05*	*06/07/23 14:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/08/23 09:57	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/07/23 09:22	1

Method: SW846 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		06/06/23 15:37	06/07/23 04:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/23 15:37	06/07/23 04:53	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/23 15:37	06/07/23 04:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*152*	*S1+*	*70 - 130*	*06/06/23 15:37*	*06/07/23 04:53*	*1*
o-Terphenyl	*121*		*70 - 130*	*06/06/23 15:37*	*06/07/23 04:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**245**		4.95		mg/Kg			06/06/23 22:17	1

Client Sample ID: CS-46 (4.5')

Lab Sample ID: 880-29157-46
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/07/23 09:05	06/07/23 14:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/07/23 09:05	06/07/23 14:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/07/23 09:05	06/07/23 14:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/07/23 09:05	06/07/23 14:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/07/23 09:05	06/07/23 14:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/07/23 09:05	06/07/23 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*06/07/23 09:05*	*06/07/23 14:56*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*06/07/23 09:05*	*06/07/23 14:56*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-46 (4.5')

Lab Sample ID: 880-29157-46
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			06/08/23 09:57	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/07/23 09:29	1

Method: SW846 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		06/06/23 15:37	06/07/23 01:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/23 15:37	06/07/23 01:12	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/23 15:37	06/07/23 01:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*12*	*S1-*	*70 - 130*	*06/06/23 15:37*	*06/07/23 01:12*	*1*
o-Terphenyl	*12*	*S1-*	*70 - 130*	*06/06/23 15:37*	*06/07/23 01:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**215**		4.98		mg/Kg			06/06/23 22:22	1

Client Sample ID: CS-47 (4.5')

Lab Sample ID: 880-29157-47
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/07/23 09:05	06/07/23 15:16	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/07/23 09:05	06/07/23 15:16	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/07/23 09:05	06/07/23 15:16	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/07/23 09:05	06/07/23 15:16	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/07/23 09:05	06/07/23 15:16	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/07/23 09:05	06/07/23 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*06/07/23 09:05*	*06/07/23 15:16*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*06/07/23 09:05*	*06/07/23 15:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/08/23 09:57	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**63.0**		49.9		mg/Kg			06/07/23 09:29	1

Method: SW846 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		06/06/23 15:37	06/07/23 02:21	1
Diesel Range Organics (Over C10-C28)	**63.0**		49.9		mg/Kg		06/06/23 15:37	06/07/23 02:21	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-47 (4.5')

Lab Sample ID: 880-29157-47
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/06/23 15:37	06/07/23 02:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*128*		*70 - 130*	*06/06/23 15:37*	*06/07/23 02:21*	*1*
o-Terphenyl	*153*	*S1+*	*70 - 130*	*06/06/23 15:37*	*06/07/23 02:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1100**		25.1		mg/Kg			06/06/23 22:28	5

Client Sample ID: CS-48 (4.5')

Lab Sample ID: 880-29157-48
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/07/23 09:05	06/07/23 15:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/07/23 09:05	06/07/23 15:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/07/23 09:05	06/07/23 15:37	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/07/23 09:05	06/07/23 15:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/07/23 09:05	06/07/23 15:37	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/07/23 09:05	06/07/23 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*06/07/23 09:05*	*06/07/23 15:37*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*06/07/23 09:05*	*06/07/23 15:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/08/23 09:57	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/07/23 09:29	1

Method: SW846 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		06/06/23 15:37	06/07/23 02:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/23 15:37	06/07/23 02:43	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/23 15:37	06/07/23 02:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*127*		*70 - 130*	*06/06/23 15:37*	*06/07/23 02:43*	*1*
o-Terphenyl	*151*	*S1+*	*70 - 130*	*06/06/23 15:37*	*06/07/23 02:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**231**		25.2		mg/Kg			06/06/23 22:33	5

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-49 (4.5')

Lab Sample ID: 880-29157-49
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/07/23 09:05	06/07/23 15:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/07/23 09:05	06/07/23 15:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/07/23 09:05	06/07/23 15:57	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/07/23 09:05	06/07/23 15:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/07/23 09:05	06/07/23 15:57	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/07/23 09:05	06/07/23 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*06/07/23 09:05*	*06/07/23 15:57*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*06/07/23 09:05*	*06/07/23 15:57*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/08/23 09:57	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/07/23 09:29	1

Method: SW846 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		06/06/23 15:37	06/07/23 03:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/06/23 15:37	06/07/23 03:04	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/06/23 15:37	06/07/23 03:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*06/06/23 15:37*	*06/07/23 03:04*	*1*
o-Terphenyl	*135*	*S1+*	*70 - 130*	*06/06/23 15:37*	*06/07/23 03:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**67.8**		5.04		mg/Kg			06/06/23 23:17	1

Client Sample ID: CS-50 (4.5')

Lab Sample ID: 880-29157-50
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/07/23 09:05	06/07/23 16:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/07/23 09:05	06/07/23 16:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/07/23 09:05	06/07/23 16:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/07/23 09:05	06/07/23 16:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/07/23 09:05	06/07/23 16:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/07/23 09:05	06/07/23 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*06/07/23 09:05*	*06/07/23 16:18*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*06/07/23 09:05*	*06/07/23 16:18*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-50 (4.5')

Lab Sample ID: 880-29157-50
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/08/23 09:57	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/07/23 09:29	1

Method: SW846 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		06/06/23 15:37	06/07/23 03:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/06/23 15:37	06/07/23 03:26	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/06/23 15:37	06/07/23 03:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*06/06/23 15:37*	*06/07/23 03:26*	*1*
o-Terphenyl	*148*	*S1+*	*70 - 130*	*06/06/23 15:37*	*06/07/23 03:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**67.0**		4.99		mg/Kg			06/06/23 23:34	1

Client Sample ID: CS-51 (4.5')

Lab Sample ID: 880-29157-51
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/07/23 09:05	06/07/23 18:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/07/23 09:05	06/07/23 18:09	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/07/23 09:05	06/07/23 18:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/07/23 09:05	06/07/23 18:09	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/07/23 09:05	06/07/23 18:09	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/07/23 09:05	06/07/23 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*06/07/23 09:05*	*06/07/23 18:09*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*06/07/23 09:05*	*06/07/23 18:09*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/08/23 09:57	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/07/23 09:29	1

Method: SW846 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		06/06/23 15:37	06/07/23 03:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/06/23 15:37	06/07/23 03:48	1

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-51 (4.5')

Lab Sample ID: 880-29157-51
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/06/23 15:37	06/07/23 03:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*06/06/23 15:37*	*06/07/23 03:48*	*1*
o-Terphenyl	*146*	*S1+*	*70 - 130*	*06/06/23 15:37*	*06/07/23 03:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**165**		4.99		mg/Kg			06/06/23 23:39	1

Client Sample ID: CS-52 (4.5')

Lab Sample ID: 880-29157-52
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/07/23 09:05	06/07/23 18:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/07/23 09:05	06/07/23 18:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/07/23 09:05	06/07/23 18:29	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/07/23 09:05	06/07/23 18:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/07/23 09:05	06/07/23 18:29	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/07/23 09:05	06/07/23 18:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*06/07/23 09:05*	*06/07/23 18:29*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/07/23 09:05*	*06/07/23 18:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/08/23 09:57	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/07/23 09:29	1

Method: SW846 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		06/06/23 15:37	06/07/23 04:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/23 15:37	06/07/23 04:09	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/23 15:37	06/07/23 04:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*06/06/23 15:37*	*06/07/23 04:09*	*1*
o-Terphenyl	*154*	*S1+*	*70 - 130*	*06/06/23 15:37*	*06/07/23 04:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1180**		25.1		mg/Kg			06/06/23 23:45	5

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: SW-1 (1')

Lab Sample ID: 880-29157-53
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/07/23 09:05	06/07/23 18:50	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/07/23 09:05	06/07/23 18:50	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/07/23 09:05	06/07/23 18:50	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/07/23 09:05	06/07/23 18:50	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/07/23 09:05	06/07/23 18:50	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/07/23 09:05	06/07/23 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*06/07/23 09:05*	*06/07/23 18:50*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/07/23 09:05*	*06/07/23 18:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/08/23 09:57	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**330**		49.8		mg/Kg			06/07/23 09:29	1

Method: SW846 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		06/06/23 15:37	06/07/23 04:32	1
Diesel Range Organics (Over C10-C28)	**232**		49.8		mg/Kg		06/06/23 15:37	06/07/23 04:32	1
Oil Range Organics (Over C28-C36)	**97.7**		49.8		mg/Kg		06/06/23 15:37	06/07/23 04:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*06/06/23 15:37*	*06/07/23 04:32*	*1*
o-Terphenyl	*138*	*S1+*	*70 - 130*	*06/06/23 15:37*	*06/07/23 04:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**440**		5.04		mg/Kg			06/06/23 23:50	1

Client Sample ID: SW-2 (3.5')

Lab Sample ID: 880-29157-54
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/07/23 09:05	06/07/23 19:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/07/23 09:05	06/07/23 19:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/07/23 09:05	06/07/23 19:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/07/23 09:05	06/07/23 19:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/07/23 09:05	06/07/23 19:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/07/23 09:05	06/07/23 19:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*06/07/23 09:05*	*06/07/23 19:10*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*06/07/23 09:05*	*06/07/23 19:10*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: SW-2 (3.5')

Lab Sample ID: 880-29157-54
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			06/08/23 09:57	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/07/23 09:29	1

Method: SW846 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		06/06/23 15:37	06/07/23 04:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/06/23 15:37	06/07/23 04:53	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/06/23 15:37	06/07/23 04:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*06/06/23 15:37*	*06/07/23 04:53*	*1*
o-Terphenyl	*141*	*S1+*	*70 - 130*	*06/06/23 15:37*	*06/07/23 04:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**168**		5.05		mg/Kg			06/07/23 00:07	1

Client Sample ID: SW-3 (3.5')

Lab Sample ID: 880-29157-55
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/07/23 09:05	06/07/23 19:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/07/23 09:05	06/07/23 19:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/07/23 09:05	06/07/23 19:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/07/23 09:05	06/07/23 19:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/07/23 09:05	06/07/23 19:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/07/23 09:05	06/07/23 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*06/07/23 09:05*	*06/07/23 19:31*	*1*
1,4-Difluorobenzene (Surr)	*129*		*70 - 130*	*06/07/23 09:05*	*06/07/23 19:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/08/23 09:57	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/07/23 09:29	1

Method: SW846 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		06/06/23 15:37	06/07/23 05:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/23 15:37	06/07/23 05:15	1

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: SW-3 (3.5')
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Lab Sample ID: 880-29157-55
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/23 15:37	06/07/23 05:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*129*		*70 - 130*	*06/06/23 15:37*	*06/07/23 05:15*	*1*
o-Terphenyl	*151*	*S1+*	*70 - 130*	*06/06/23 15:37*	*06/07/23 05:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**202**		5.05		mg/Kg			06/07/23 00:12	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-29157-1	CS-1 (1')	139 S1+	80
880-29157-1 MS	CS-1 (1')	147 S1+	95
880-29157-1 MSD	CS-1 (1')	142 S1+	102
880-29157-2	CS-2 (1')	163 S1+	91
880-29157-3	CS-3 (1')	162 S1+	94
880-29157-4	CS-4 (1')	152 S1+	90
880-29157-5	CS-5 (1')	147 S1+	87
880-29157-6	CS-6 (1')	149 S1+	77
880-29157-7	CS-7 (1')	131 S1+	92
880-29157-8	CS-8 (1')	161 S1+	92
880-29157-9	CS-9 (1')	148 S1+	84
880-29157-10	CS-10 (1')	148 S1+	86
880-29157-11	CS-11 (1')	132 S1+	75
880-29157-12	CS-12 (1')	134 S1+	83
880-29157-13	CS-13 (1')	147 S1+	85
880-29157-14	CS-14 (1')	147 S1+	28 S1-
880-29157-15	CS-15 (1')	141 S1+	82
880-29157-16	CS-16 (1')	147 S1+	91
880-29157-17	CS-17 (1')	152 S1+	85
880-29157-18	CS-18 (1')	146 S1+	89
880-29157-19	CS-19 (1')	145 S1+	83
880-29157-20	CS-20 (1')	147 S1+	83
880-29157-21	CS-21 (1')	77	99
880-29157-21 MS	CS-21 (1')	103	111
880-29157-21 MSD	CS-21 (1')	83	119
880-29157-22	CS-22 (1')	76	95
880-29157-23	CS-23 (1')	78	96
880-29157-24	CS-24 (1')	74	88
880-29157-25	CS-25 (1')	84	94
880-29157-26	CS-26 (1')	91	87
880-29157-27	CS-27 (4.5')	78	92
880-29157-28	CS-28 (4.5')	78	91
880-29157-29	CS-29 (4.5')	81	85
880-29157-30	CS-30 (4.5')	84	95
880-29157-31	CS-31 (4.5')	77	89
880-29157-32	CS-32 (4.5')	82	93
880-29157-33	CS-33 (4.5')	88	85
880-29157-34	CS-34 (4.5')	90	87
880-29157-35	CS-35 (4.5')	85	94
880-29157-36	CS-36 (4.5')	94	82
880-29157-37	CS-37 (4.5')	77	99
880-29157-38	CS-38 (4.5')	76	100
880-29157-39	CS-39 (4.5')	79	96
880-29157-40	CS-40 (4.5')	77	91
880-29157-41	CS-41 (4.5')	89	97
880-29157-41 MS	CS-41 (4.5')	108	99
880-29157-41 MSD	CS-41 (4.5')	96	94
880-29157-42	CS-42 (4.5')	92	91
880-29157-43	CS-43 (4.5')	89	97

Surrogate Summary

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

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)
880-29157-44	CS-44 (4.5')	85	97
880-29157-45	CS-45 (4.5')	86	93
880-29157-46	CS-46 (4.5')	87	97
880-29157-47	CS-47 (4.5')	95	98
880-29157-48	CS-48 (4.5')	93	96
880-29157-49	CS-49 (4.5')	95	97
880-29157-50	CS-50 (4.5')	98	98
880-29157-51	CS-51 (4.5')	88	89
880-29157-52	CS-52 (4.5')	93	99
880-29157-53	SW-1 (1')	92	100
880-29157-54	SW-2 (3.5')	93	96
880-29157-55	SW-3 (3.5')	99	129
LCS 880-54892/1-A	Lab Control Sample	110	86
LCS 880-54895/1-A	Lab Control Sample	97	119
LCS 880-54945/1-A	Lab Control Sample	92	110
LCSD 880-54892/2-A	Lab Control Sample Dup	125	87
LCSD 880-54895/2-A	Lab Control Sample Dup	96	113
LCSD 880-54945/2-A	Lab Control Sample Dup	93	90
MB 880-54756/5-A	Method Blank	64 S1-	102
MB 880-54777/5-A	Method Blank	75	88
MB 880-54892/5-A	Method Blank	79	86
MB 880-54895/5-A	Method Blank	67 S1-	102
MB 880-54945/5-A	Method Blank	90	107

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) 1CO1 (70-130)	OTPH1 (70-130)
880-29157-1	CS-1 (1')	142 S1+	114
880-29157-1 MS	CS-1 (1')	152 S1+	112
880-29157-1 MSD	CS-1 (1')	152 S1+	114
880-29157-2	CS-2 (1')	146 S1+	116
880-29157-3	CS-3 (1')	141 S1+	112
880-29157-4	CS-4 (1')	144 S1+	115
880-29157-5	CS-5 (1')	140 S1+	112
880-29157-6	CS-6 (1')	137 S1+	108
880-29157-7	CS-7 (1')	148 S1+	117
880-29157-8	CS-8 (1')	148 S1+	117
880-29157-9	CS-9 (1')	148 S1+	117
880-29157-10	CS-10 (1')	152 S1+	120
880-29157-11	CS-11 (1')	148 S1+	117
880-29157-12	CS-12 (1')	147 S1+	117
880-29157-13	CS-13 (1')	147 S1+	116
880-29157-14	CS-14 (1')	151 S1+	120
880-29157-15	CS-15 (1')	147 S1+	116

Surrogate Summary

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) 1CO1 (70-130)	OTPH1 (70-130)
880-29157-16	CS-16 (1')	144 S1+	114
880-29157-17	CS-17 (1')	149 S1+	117
880-29157-18	CS-18 (1')	151 S1+	118
880-29157-19	CS-19 (1')	142 S1+	113
880-29157-20	CS-20 (1')	144 S1+	114
880-29157-21	CS-21 (1')	119	152 S1+
880-29157-21 MS	CS-21 (1')	128	143 S1+
880-29157-21 MSD	CS-21 (1')	118	135 S1+
880-29157-22	CS-22 (1')	118	146 S1+
880-29157-23	CS-23 (1')	115	141 S1+
880-29157-24	CS-24 (1')	113	141 S1+
880-29157-25	CS-25 (1')	110	138 S1+
880-29157-26	CS-26 (1')	131 S1+	157 S1+
880-29157-27	CS-27 (4.5')	105	122
880-29157-28	CS-28 (4.5')	102	121
880-29157-29	CS-29 (4.5')	129	143 S1+
880-29157-30	CS-30 (4.5')	115	138 S1+
880-29157-31	CS-31 (4.5')	129	150 S1+
880-29157-32	CS-32 (4.5')	112	134 S1+
880-29157-33	CS-33 (4.5')	109	129
880-29157-34	CS-34 (4.5')	129	152 S1+
880-29157-35	CS-35 (4.5')	124	149 S1+
880-29157-36	CS-36 (4.5')	115	140 S1+
880-29157-37	CS-37 (4.5')	114	139 S1+
880-29157-38	CS-38 (4.5')	134 S1+	154 S1+
880-29157-39	CS-39 (4.5')	111	133 S1+
880-29157-40	CS-40 (4.5')	112	137 S1+
880-29157-41	CS-41 (4.5')	158 S1+	121
880-29157-41 MS	CS-41 (4.5')	150 S1+	109
880-29157-41 MSD	CS-41 (4.5')	154 S1+	110
880-29157-42	CS-42 (4.5')	148 S1+	115
880-29157-43	CS-43 (4.5')	149 S1+	118
880-29157-44	CS-44 (4.5')	154 S1+	121
880-29157-45	CS-45 (4.5')	152 S1+	121
880-29157-46	CS-46 (4.5')	12 S1-	12 S1-
880-29157-47	CS-47 (4.5')	128	153 S1+
880-29157-48	CS-48 (4.5')	127	151 S1+
880-29157-49	CS-49 (4.5')	112	135 S1+
880-29157-50	CS-50 (4.5')	125	148 S1+
880-29157-51	CS-51 (4.5')	125	146 S1+
880-29157-52	CS-52 (4.5')	130	154 S1+
880-29157-53	SW-1 (1')	114	138 S1+
880-29157-54	SW-2 (3.5')	114	141 S1+
880-29157-55	SW-3 (3.5')	129	151 S1+
LCS 880-54897/2-A	Lab Control Sample	139 S1+	107
LCS 880-54898/2-A	Lab Control Sample	99	127
LCS 880-54899/2-A	Lab Control Sample	150 S1+	116
LCSD 880-54897/3-A	Lab Control Sample Dup	121	93
LCSD 880-54898/3-A	Lab Control Sample Dup	99	129
LCSD 880-54899/3-A	Lab Control Sample Dup	144 S1+	111

Surrogate Summary

Client: Carmona Resources
Job ID: 880-29157-1
Project/Site: Denton 5 SWD
SDG: Lea County, New Mexico

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
MB 880-54897/1-A	Method Blank	157 S1+	124								
MB 880-54898/1-A	Method Blank	127	165 S1+								
MB 880-54899/1-A	Method Blank	14 S1-	11 S1-								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-54756/5-A
Matrix: Solid
Analysis Batch: 54833

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 54756

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/05/23 12:42	06/06/23 11:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/05/23 12:42	06/06/23 11:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/05/23 12:42	06/06/23 11:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/05/23 12:42	06/06/23 11:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/05/23 12:42	06/06/23 11:02	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/05/23 12:42	06/06/23 11:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*64*	*S1-*	*70 - 130*	*06/05/23 12:42*	*06/06/23 11:02*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*06/05/23 12:42*	*06/06/23 11:02*	*1*

Lab Sample ID: MB 880-54777/5-A
Matrix: Solid
Analysis Batch: 54872

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 54777

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/05/23 14:53	06/06/23 14:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/05/23 14:53	06/06/23 14:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/05/23 14:53	06/06/23 14:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/05/23 14:53	06/06/23 14:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/05/23 14:53	06/06/23 14:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/05/23 14:53	06/06/23 14:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*70 - 130*	*06/05/23 14:53*	*06/06/23 14:45*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*06/05/23 14:53*	*06/06/23 14:45*	*1*

Lab Sample ID: MB 880-54892/5-A
Matrix: Solid
Analysis Batch: 54872

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 54892

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:18	06/07/23 04:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:18	06/07/23 04:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:18	06/07/23 04:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/06/23 15:18	06/07/23 04:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:18	06/07/23 04:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/06/23 15:18	06/07/23 04:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*06/06/23 15:18*	*06/07/23 04:13*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*06/06/23 15:18*	*06/07/23 04:13*	*1*

QC Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-54892/1-A
Matrix: Solid
Analysis Batch: 54872

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 54892

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1242		mg/Kg		124	70 - 130		
Toluene			0.100	0.1092		mg/Kg		109	70 - 130		
Ethylbenzene			0.100	0.1054		mg/Kg		105	70 - 130		
m-Xylene & p-Xylene			0.200	0.2064		mg/Kg		103	70 - 130		
o-Xylene			0.100	0.1042		mg/Kg		104	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*

Lab Sample ID: LCSD 880-54892/2-A
Matrix: Solid
Analysis Batch: 54872

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 54892

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1477	*+	mg/Kg		148	70 - 130	17	35
Toluene			0.100	0.1289		mg/Kg		129	70 - 130	17	35
Ethylbenzene			0.100	0.1231		mg/Kg		123	70 - 130	15	35
m-Xylene & p-Xylene			0.200	0.2396		mg/Kg		120	70 - 130	15	35
o-Xylene			0.100	0.1205		mg/Kg		121	70 - 130	15	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*

Lab Sample ID: 880-29157-1 MS
Matrix: Solid
Analysis Batch: 54872

Client Sample ID: CS-1 (1')
Prep Type: Total/NA
Prep Batch: 54892

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U *+ F1	0.101	0.1459	F1	mg/Kg		144	70 - 130		
Toluene	<0.00200	U	0.101	0.1230		mg/Kg		122	70 - 130		
Ethylbenzene	<0.00200	U	0.101	0.1069		mg/Kg		106	70 - 130		
m-Xylene & p-Xylene	<0.00400	U	0.202	0.2029		mg/Kg		100	70 - 130		
o-Xylene	<0.00200	U	0.101	0.09720		mg/Kg		96	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*147*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 880-29157-1 MSD
Matrix: Solid
Analysis Batch: 54872

Client Sample ID: CS-1 (1')
Prep Type: Total/NA
Prep Batch: 54892

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U *+ F1	0.0994	0.1452	F1	mg/Kg		146	70 - 130	1	35
Toluene	<0.00200	U	0.0994	0.1184		mg/Kg		119	70 - 130	4	35
Ethylbenzene	<0.00200	U	0.0994	0.1048		mg/Kg		105	70 - 130	2	35

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-29157-1 MSD
Matrix: Solid
Analysis Batch: 54872

Client Sample ID: CS-1 (1')
Prep Type: Total/NA
Prep Batch: 54892

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00400	U	0.199	0.1995		mg/Kg		100	70 - 130	2	35
o-Xylene	<0.00200	U	0.0994	0.09720		mg/Kg		98	70 - 130	0	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*142*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: MB 880-54895/5-A
Matrix: Solid
Analysis Batch: 54833

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 54895

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:26	06/06/23 22:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:26	06/06/23 22:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:26	06/06/23 22:44	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/06/23 15:26	06/06/23 22:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/06/23 15:26	06/06/23 22:44	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/06/23 15:26	06/06/23 22:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*67*	*S1-*	*70 - 130*	*06/06/23 15:26*	*06/06/23 22:44*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*06/06/23 15:26*	*06/06/23 22:44*	*1*

Lab Sample ID: LCS 880-54895/1-A
Matrix: Solid
Analysis Batch: 54833

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 54895

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1312	*+	mg/Kg		131	70 - 130
Toluene	0.100	0.09885		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.08580		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	0.200	0.1676		mg/Kg		84	70 - 130
o-Xylene	0.100	0.09961		mg/Kg		100	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*

Lab Sample ID: LCSD 880-54895/2-A
Matrix: Solid
Analysis Batch: 54833

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 54895

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1248		mg/Kg		125	70 - 130	5	35
Toluene	0.100	0.09799		mg/Kg		98	70 - 130	1	35
Ethylbenzene	0.100	0.08650		mg/Kg		86	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1694		mg/Kg		85	70 - 130	1	35
o-Xylene	0.100	0.08721		mg/Kg		87	70 - 130	13	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: 880-29157-21 MS — **Client Sample ID: CS-21 (1')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 54833 — **Prep Batch: 54895**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U *+	0.101	0.1305		mg/Kg		129	70 - 130
Toluene	<0.00200	U	0.101	0.1096		mg/Kg		109	70 - 130
Ethylbenzene	<0.00200	U	0.101	0.1002		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	<0.00400	U	0.202	0.2040		mg/Kg		101	70 - 130
o-Xylene	<0.00200	U	0.101	0.1029		mg/Kg		102	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: 880-29157-21 MSD — **Client Sample ID: CS-21 (1')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 54833 — **Prep Batch: 54895**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U *+	0.0996	0.1252		mg/Kg		126	70 - 130	4	35
Toluene	<0.00200	U	0.0996	0.09422		mg/Kg		95	70 - 130	15	35
Ethylbenzene	<0.00200	U	0.0996	0.08006		mg/Kg		80	70 - 130	22	35
m-Xylene & p-Xylene	<0.00400	U	0.199	0.1568		mg/Kg		79	70 - 130	26	35
o-Xylene	<0.00200	U	0.0996	0.07794		mg/Kg		78	70 - 130	28	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	83		70 - 130
1,4-Difluorobenzene (Surr)	119		70 - 130

Lab Sample ID: MB 880-54945/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 54944 — **Prep Batch: 54945**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/07/23 09:05	06/07/23 12:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/07/23 09:05	06/07/23 12:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/07/23 09:05	06/07/23 12:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/07/23 09:05	06/07/23 12:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/07/23 09:05	06/07/23 12:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/07/23 09:05	06/07/23 12:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	06/07/23 09:05	06/07/23 12:45	1
1,4-Difluorobenzene (Surr)	107		70 - 130	06/07/23 09:05	06/07/23 12:45	1

QC Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-54945/1-A
Matrix: Solid
Analysis Batch: 54944

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 54945

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1220		mg/Kg		122	70 - 130		
Toluene			0.100	0.1300		mg/Kg		130	70 - 130		
Ethylbenzene			0.100	0.1060		mg/Kg		106	70 - 130		
m-Xylene & p-Xylene			0.200	0.1999		mg/Kg		100	70 - 130		
o-Xylene			0.100	0.09488		mg/Kg		95	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: LCSD 880-54945/2-A
Matrix: Solid
Analysis Batch: 54944

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 54945

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1219		mg/Kg		122	70 - 130	0	35
Toluene			0.100	0.1198		mg/Kg		120	70 - 130	8	35
Ethylbenzene			0.100	0.1054		mg/Kg		105	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.1955		mg/Kg		98	70 - 130	2	35
o-Xylene			0.100	0.08994		mg/Kg		90	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: 880-29157-41 MS
Matrix: Solid
Analysis Batch: 54944

Client Sample ID: CS-41 (4.5')
Prep Type: Total/NA
Prep Batch: 54945

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U	0.101	0.1225		mg/Kg		122	70 - 130		
Toluene	<0.00201	U	0.101	0.1165		mg/Kg		116	70 - 130		
Ethylbenzene	<0.00201	U	0.101	0.1027		mg/Kg		102	70 - 130		
m-Xylene & p-Xylene	<0.00402	U	0.202	0.2028		mg/Kg		101	70 - 130		
o-Xylene	<0.00201	U	0.101	0.09751		mg/Kg		96	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 880-29157-41 MSD
Matrix: Solid
Analysis Batch: 54944

Client Sample ID: CS-41 (4.5')
Prep Type: Total/NA
Prep Batch: 54945

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0990	0.1023		mg/Kg		103	70 - 130	18	35
Toluene	<0.00201	U	0.0990	0.1041		mg/Kg		105	70 - 130	11	35
Ethylbenzene	<0.00201	U	0.0990	0.08972		mg/Kg		91	70 - 130	13	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-29157-41 MSD
Matrix: Solid
Analysis Batch: 54944

Client Sample ID: CS-41 (4.5')
Prep Type: Total/NA
Prep Batch: 54945

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00402	U	0.198	0.1690		mg/Kg		85	70 - 130	18	35
o-Xylene	<0.00201	U	0.0990	0.08060		mg/Kg		81	70 - 130	19	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

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

Lab Sample ID: MB 880-54897/1-A
Matrix: Solid
Analysis Batch: 54829

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 54897

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		06/06/23 08:00	06/06/23 08:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/23 08:00	06/06/23 08:23	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/23 08:00	06/06/23 08:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*157*	*S1+*	*70 - 130*	*06/06/23 08:00*	*06/06/23 08:23*	*1*
o-Terphenyl	*124*		*70 - 130*	*06/06/23 08:00*	*06/06/23 08:23*	*1*

Lab Sample ID: LCS 880-54897/2-A
Matrix: Solid
Analysis Batch: 54829

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 54897

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1027		mg/Kg		103	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1011		mg/Kg		101	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*139*	*S1+*	*70 - 130*
o-Terphenyl	*107*		*70 - 130*

Lab Sample ID: LCSD 880-54897/3-A
Matrix: Solid
Analysis Batch: 54829

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 54897

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1028		mg/Kg		103	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	1004		mg/Kg		100	70 - 130	1	20

QC Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-54897/3-A
Matrix: Solid
Analysis Batch: 54829

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 54897

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	121		70 - 130
o-Terphenyl	93		70 - 130

Lab Sample ID: 880-29157-1 MS
Matrix: Solid
Analysis Batch: 54829

Client Sample ID: CS-1 (1')
Prep Type: Total/NA
Prep Batch: 54897

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	1140		mg/Kg		112	70 - 130
Diesel Range Organics (Over C10-C28)	76.3		1000	910.4		mg/Kg		83	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	152	S1+	70 - 130
o-Terphenyl	112		70 - 130

Lab Sample ID: 880-29157-1 MSD
Matrix: Solid
Analysis Batch: 54829

Client Sample ID: CS-1 (1')
Prep Type: Total/NA
Prep Batch: 54897

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	1163		mg/Kg		115	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	76.3		998	915.0		mg/Kg		84	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	152	S1+	70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: MB 880-54898/1-A
Matrix: Solid
Analysis Batch: 54831

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 54898

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		06/06/23 08:00	06/06/23 08:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/23 08:00	06/06/23 08:23	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/23 08:00	06/06/23 08:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130	06/06/23 08:00	06/06/23 08:23	1
o-Terphenyl	165	S1+	70 - 130	06/06/23 08:00	06/06/23 08:23	1

QC Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-54898/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 54831 — **Prep Batch: 54898**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1221		mg/Kg		122	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1001		mg/Kg		100	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*99*		*70 - 130*
o-Terphenyl	*127*		*70 - 130*

Lab Sample ID: LCSD 880-54898/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 54831 — **Prep Batch: 54898**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1201		mg/Kg		120	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	987.1		mg/Kg		99	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*99*		*70 - 130*
o-Terphenyl	*129*		*70 - 130*

Lab Sample ID: 880-29157-21 MS — **Client Sample ID: CS-21 (1')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 54831 — **Prep Batch: 54898**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	921.5		mg/Kg		92	70 - 130		
Diesel Range Organics (Over C10-C28)	52.1		999	979.0		mg/Kg		93	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*128*		*70 - 130*
o-Terphenyl	*143*	*S1+*	*70 - 130*

Lab Sample ID: 880-29157-21 MSD — **Client Sample ID: CS-21 (1')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 54831 — **Prep Batch: 54898**

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	<50.0	U	999	872.3		mg/Kg		87	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	52.1		999	915.0		mg/Kg		86	70 - 130	7	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*118*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-29157-21 MSD
Matrix: Solid
Analysis Batch: 54831

Client Sample ID: CS-21 (1')
Prep Type: Total/NA
Prep Batch: 54898

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	135	S1+	70 - 130

Lab Sample ID: MB 880-54899/1-A
Matrix: Solid
Analysis Batch: 54829

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 54899

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		06/06/23 15:37	06/07/23 01:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/23 15:37	06/07/23 01:12	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/23 15:37	06/07/23 01:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	14	S1-	70 - 130	06/06/23 15:37	06/07/23 01:12	1
o-Terphenyl	11	S1-	70 - 130	06/06/23 15:37	06/07/23 01:12	1

Lab Sample ID: LCS 880-54899/2-A
Matrix: Solid
Analysis Batch: 54829

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 54899

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	980.5		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	978.3		mg/Kg		98	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	150	S1+	70 - 130
o-Terphenyl	116		70 - 130

Lab Sample ID: LCSD 880-54899/3-A
Matrix: Solid
Analysis Batch: 54829

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 54899

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1040		mg/Kg		104	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	1029		mg/Kg		103	70 - 130	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	144	S1+	70 - 130
o-Terphenyl	111		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-29157-41 MS — **Client Sample ID: CS-41 (4.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 54829 — **Prep Batch: 54899**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1128		mg/Kg		111	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	997	972.1		mg/Kg		94	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*150*	*S1+*	*70 - 130*
o-Terphenyl	*109*		*70 - 130*

Lab Sample ID: 880-29157-41 MSD — **Client Sample ID: CS-41 (4.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 54829 — **Prep Batch: 54899**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1114		mg/Kg		110	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	995.5		mg/Kg		97	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*154*	*S1+*	*70 - 130*
o-Terphenyl	*110*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-54894/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 54913

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			06/06/23 19:32	1

Lab Sample ID: LCS 880-54894/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 54913

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	254.4		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-54894/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 54913

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	254.6		mg/Kg		102	90 - 110	0	20

QC Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-29157-21 MS — **Client Sample ID: CS-21 (1')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 54913

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	191	F1	248	410.6	F1	mg/Kg		88	90 - 110

Lab Sample ID: 880-29157-21 MSD — **Client Sample ID: CS-21 (1')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 54913

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	191	F1	248	410.5	F1	mg/Kg		88	90 - 110	0	20

Lab Sample ID: 880-29157-31 MS — **Client Sample ID: CS-31 (4.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 54913

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	849		1250	2015		mg/Kg		94	90 - 110

Lab Sample ID: 880-29157-31 MSD — **Client Sample ID: CS-31 (4.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 54913

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	849		1250	2015		mg/Kg		94	90 - 110	0	20

Lab Sample ID: MB 880-54893/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 54914

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			06/06/23 22:39	1

Lab Sample ID: LCS 880-54893/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 54914

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	260.1		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-54893/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 54914

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	260.4		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-29157-1 MS — **Client Sample ID: CS-1 (1')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 54914

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	549	F1	250	755.3	F1	mg/Kg		83	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-29157-1 MSD
Matrix: Solid
Analysis Batch: 54914

Client Sample ID: CS-1 (1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	549	F1	250	756.2	F1	mg/Kg		83	90 - 110	0	20

Lab Sample ID: 880-29157-11 MS
Matrix: Solid
Analysis Batch: 54914

Client Sample ID: CS-11 (1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	320		250	547.4		mg/Kg		91	90 - 110

Lab Sample ID: 880-29157-11 MSD
Matrix: Solid
Analysis Batch: 54914

Client Sample ID: CS-11 (1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	320		250	548.5		mg/Kg		92	90 - 110	0	20

Lab Sample ID: MB 880-54891/1-A
Matrix: Solid
Analysis Batch: 54915

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			06/06/23 19:48	1

Lab Sample ID: LCS 880-54891/2-A
Matrix: Solid
Analysis Batch: 54915

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	260.5		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-54891/3-A
Matrix: Solid
Analysis Batch: 54915

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	260.6		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-29153-A-4-B MS
Matrix: Solid
Analysis Batch: 54915

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	590	F1	251	785.2	F1	mg/Kg		78	90 - 110

Lab Sample ID: MB 880-54896/1-A
Matrix: Solid
Analysis Batch: 54916

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			06/06/23 23:01	1

QC Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-54896/2-A
Matrix: Solid
Analysis Batch: 54916

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	257.4		mg/Kg		103	90 - 110		

Lab Sample ID: LCSD 880-54896/3-A
Matrix: Solid
Analysis Batch: 54916

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	256.1		mg/Kg		102	90 - 110	1	20

Lab Sample ID: 880-29157-49 MS
Matrix: Solid
Analysis Batch: 54916

Client Sample ID: CS-49 (4.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	67.8		252	329.2		mg/Kg		104	90 - 110		

Lab Sample ID: 880-29157-49 MSD
Matrix: Solid
Analysis Batch: 54916

Client Sample ID: CS-49 (4.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	67.8		252	333.0		mg/Kg		105	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

GC VOA

Prep Batch: 54756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-54756/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 54777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-54777/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 54833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29157-21	CS-21 (1')	Total/NA	Solid	8021B	54895
880-29157-22	CS-22 (1')	Total/NA	Solid	8021B	54895
880-29157-23	CS-23 (1')	Total/NA	Solid	8021B	54895
880-29157-24	CS-24 (1')	Total/NA	Solid	8021B	54895
880-29157-25	CS-25 (1')	Total/NA	Solid	8021B	54895
880-29157-26	CS-26 (1')	Total/NA	Solid	8021B	54895
880-29157-27	CS-27 (4.5')	Total/NA	Solid	8021B	54895
880-29157-28	CS-28 (4.5')	Total/NA	Solid	8021B	54895
880-29157-29	CS-29 (4.5')	Total/NA	Solid	8021B	54895
880-29157-30	CS-30 (4.5')	Total/NA	Solid	8021B	54895
880-29157-31	CS-31 (4.5')	Total/NA	Solid	8021B	54895
880-29157-32	CS-32 (4.5')	Total/NA	Solid	8021B	54895
880-29157-33	CS-33 (4.5')	Total/NA	Solid	8021B	54895
880-29157-34	CS-34 (4.5')	Total/NA	Solid	8021B	54895
880-29157-35	CS-35 (4.5')	Total/NA	Solid	8021B	54895
880-29157-36	CS-36 (4.5')	Total/NA	Solid	8021B	54895
880-29157-37	CS-37 (4.5')	Total/NA	Solid	8021B	54895
880-29157-38	CS-38 (4.5')	Total/NA	Solid	8021B	54895
880-29157-39	CS-39 (4.5')	Total/NA	Solid	8021B	54895
880-29157-40	CS-40 (4.5')	Total/NA	Solid	8021B	54895
MB 880-54756/5-A	Method Blank	Total/NA	Solid	8021B	54756
MB 880-54895/5-A	Method Blank	Total/NA	Solid	8021B	54895
LCS 880-54895/1-A	Lab Control Sample	Total/NA	Solid	8021B	54895
LCSD 880-54895/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	54895
880-29157-21 MS	CS-21 (1')	Total/NA	Solid	8021B	54895
880-29157-21 MSD	CS-21 (1')	Total/NA	Solid	8021B	54895

Analysis Batch: 54872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29157-1	CS-1 (1')	Total/NA	Solid	8021B	54892
880-29157-2	CS-2 (1')	Total/NA	Solid	8021B	54892
880-29157-3	CS-3 (1')	Total/NA	Solid	8021B	54892
880-29157-4	CS-4 (1')	Total/NA	Solid	8021B	54892
880-29157-5	CS-5 (1')	Total/NA	Solid	8021B	54892
880-29157-6	CS-6 (1')	Total/NA	Solid	8021B	54892
880-29157-7	CS-7 (1')	Total/NA	Solid	8021B	54892
880-29157-8	CS-8 (1')	Total/NA	Solid	8021B	54892
880-29157-9	CS-9 (1')	Total/NA	Solid	8021B	54892
880-29157-10	CS-10 (1')	Total/NA	Solid	8021B	54892
880-29157-11	CS-11 (1')	Total/NA	Solid	8021B	54892
880-29157-12	CS-12 (1')	Total/NA	Solid	8021B	54892
880-29157-13	CS-13 (1')	Total/NA	Solid	8021B	54892
880-29157-14	CS-14 (1')	Total/NA	Solid	8021B	54892

QC Association Summary

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 54872 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29157-15	CS-15 (1')	Total/NA	Solid	8021B	54892
880-29157-16	CS-16 (1')	Total/NA	Solid	8021B	54892
880-29157-17	CS-17 (1')	Total/NA	Solid	8021B	54892
880-29157-18	CS-18 (1')	Total/NA	Solid	8021B	54892
880-29157-19	CS-19 (1')	Total/NA	Solid	8021B	54892
880-29157-20	CS-20 (1')	Total/NA	Solid	8021B	54892
MB 880-54777/5-A	Method Blank	Total/NA	Solid	8021B	54777
MB 880-54892/5-A	Method Blank	Total/NA	Solid	8021B	54892
LCS 880-54892/1-A	Lab Control Sample	Total/NA	Solid	8021B	54892
LCSD 880-54892/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	54892
880-29157-1 MS	CS-1 (1')	Total/NA	Solid	8021B	54892
880-29157-1 MSD	CS-1 (1')	Total/NA	Solid	8021B	54892

Prep Batch: 54892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29157-1	CS-1 (1')	Total/NA	Solid	5035	
880-29157-2	CS-2 (1')	Total/NA	Solid	5035	
880-29157-3	CS-3 (1')	Total/NA	Solid	5035	
880-29157-4	CS-4 (1')	Total/NA	Solid	5035	
880-29157-5	CS-5 (1')	Total/NA	Solid	5035	
880-29157-6	CS-6 (1')	Total/NA	Solid	5035	
880-29157-7	CS-7 (1')	Total/NA	Solid	5035	
880-29157-8	CS-8 (1')	Total/NA	Solid	5035	
880-29157-9	CS-9 (1')	Total/NA	Solid	5035	
880-29157-10	CS-10 (1')	Total/NA	Solid	5035	
880-29157-11	CS-11 (1')	Total/NA	Solid	5035	
880-29157-12	CS-12 (1')	Total/NA	Solid	5035	
880-29157-13	CS-13 (1')	Total/NA	Solid	5035	
880-29157-14	CS-14 (1')	Total/NA	Solid	5035	
880-29157-15	CS-15 (1')	Total/NA	Solid	5035	
880-29157-16	CS-16 (1')	Total/NA	Solid	5035	
880-29157-17	CS-17 (1')	Total/NA	Solid	5035	
880-29157-18	CS-18 (1')	Total/NA	Solid	5035	
880-29157-19	CS-19 (1')	Total/NA	Solid	5035	
880-29157-20	CS-20 (1')	Total/NA	Solid	5035	
MB 880-54892/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-54892/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-54892/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-29157-1 MS	CS-1 (1')	Total/NA	Solid	5035	
880-29157-1 MSD	CS-1 (1')	Total/NA	Solid	5035	

Prep Batch: 54895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29157-21	CS-21 (1')	Total/NA	Solid	5035	
880-29157-22	CS-22 (1')	Total/NA	Solid	5035	
880-29157-23	CS-23 (1')	Total/NA	Solid	5035	
880-29157-24	CS-24 (1')	Total/NA	Solid	5035	
880-29157-25	CS-25 (1')	Total/NA	Solid	5035	
880-29157-26	CS-26 (1')	Total/NA	Solid	5035	
880-29157-27	CS-27 (4.5')	Total/NA	Solid	5035	
880-29157-28	CS-28 (4.5')	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Prep Batch: 54895 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29157-29	CS-29 (4.5')	Total/NA	Solid	5035	
880-29157-30	CS-30 (4.5')	Total/NA	Solid	5035	
880-29157-31	CS-31 (4.5')	Total/NA	Solid	5035	
880-29157-32	CS-32 (4.5')	Total/NA	Solid	5035	
880-29157-33	CS-33 (4.5')	Total/NA	Solid	5035	
880-29157-34	CS-34 (4.5')	Total/NA	Solid	5035	
880-29157-35	CS-35 (4.5')	Total/NA	Solid	5035	
880-29157-36	CS-36 (4.5')	Total/NA	Solid	5035	
880-29157-37	CS-37 (4.5')	Total/NA	Solid	5035	
880-29157-38	CS-38 (4.5')	Total/NA	Solid	5035	
880-29157-39	CS-39 (4.5')	Total/NA	Solid	5035	
880-29157-40	CS-40 (4.5')	Total/NA	Solid	5035	
MB 880-54895/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-54895/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-54895/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-29157-21 MS	CS-21 (1')	Total/NA	Solid	5035	
880-29157-21 MSD	CS-21 (1')	Total/NA	Solid	5035	

Analysis Batch: 54944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29157-41	CS-41 (4.5')	Total/NA	Solid	8021B	54945
880-29157-42	CS-42 (4.5')	Total/NA	Solid	8021B	54945
880-29157-43	CS-43 (4.5')	Total/NA	Solid	8021B	54945
880-29157-44	CS-44 (4.5')	Total/NA	Solid	8021B	54945
880-29157-45	CS-45 (4.5')	Total/NA	Solid	8021B	54945
880-29157-46	CS-46 (4.5')	Total/NA	Solid	8021B	54945
880-29157-47	CS-47 (4.5')	Total/NA	Solid	8021B	54945
880-29157-48	CS-48 (4.5')	Total/NA	Solid	8021B	54945
880-29157-49	CS-49 (4.5')	Total/NA	Solid	8021B	54945
880-29157-50	CS-50 (4.5')	Total/NA	Solid	8021B	54945
880-29157-51	CS-51 (4.5')	Total/NA	Solid	8021B	54945
880-29157-52	CS-52 (4.5')	Total/NA	Solid	8021B	54945
880-29157-53	SW-1 (1')	Total/NA	Solid	8021B	54945
880-29157-54	SW-2 (3.5')	Total/NA	Solid	8021B	54945
880-29157-55	SW-3 (3.5')	Total/NA	Solid	8021B	54945
MB 880-54945/5-A	Method Blank	Total/NA	Solid	8021B	54945
LCS 880-54945/1-A	Lab Control Sample	Total/NA	Solid	8021B	54945
LCSD 880-54945/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	54945
880-29157-41 MS	CS-41 (4.5')	Total/NA	Solid	8021B	54945
880-29157-41 MSD	CS-41 (4.5')	Total/NA	Solid	8021B	54945

Prep Batch: 54945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29157-41	CS-41 (4.5')	Total/NA	Solid	5035	
880-29157-42	CS-42 (4.5')	Total/NA	Solid	5035	
880-29157-43	CS-43 (4.5')	Total/NA	Solid	5035	
880-29157-44	CS-44 (4.5')	Total/NA	Solid	5035	
880-29157-45	CS-45 (4.5')	Total/NA	Solid	5035	
880-29157-46	CS-46 (4.5')	Total/NA	Solid	5035	
880-29157-47	CS-47 (4.5')	Total/NA	Solid	5035	
880-29157-48	CS-48 (4.5')	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Prep Batch: 54945 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29157-49	CS-49 (4.5')	Total/NA	Solid	5035	
880-29157-50	CS-50 (4.5')	Total/NA	Solid	5035	
880-29157-51	CS-51 (4.5')	Total/NA	Solid	5035	
880-29157-52	CS-52 (4.5')	Total/NA	Solid	5035	
880-29157-53	SW-1 (1')	Total/NA	Solid	5035	
880-29157-54	SW-2 (3.5')	Total/NA	Solid	5035	
880-29157-55	SW-3 (3.5')	Total/NA	Solid	5035	
MB 880-54945/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-54945/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-54945/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-29157-41 MS	CS-41 (4.5')	Total/NA	Solid	5035	
880-29157-41 MSD	CS-41 (4.5')	Total/NA	Solid	5035	

Analysis Batch: 54956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29157-1	CS-1 (1')	Total/NA	Solid	Total BTEX	
880-29157-2	CS-2 (1')	Total/NA	Solid	Total BTEX	
880-29157-3	CS-3 (1')	Total/NA	Solid	Total BTEX	
880-29157-4	CS-4 (1')	Total/NA	Solid	Total BTEX	
880-29157-5	CS-5 (1')	Total/NA	Solid	Total BTEX	
880-29157-6	CS-6 (1')	Total/NA	Solid	Total BTEX	
880-29157-7	CS-7 (1')	Total/NA	Solid	Total BTEX	
880-29157-8	CS-8 (1')	Total/NA	Solid	Total BTEX	
880-29157-9	CS-9 (1')	Total/NA	Solid	Total BTEX	
880-29157-10	CS-10 (1')	Total/NA	Solid	Total BTEX	
880-29157-11	CS-11 (1')	Total/NA	Solid	Total BTEX	
880-29157-12	CS-12 (1')	Total/NA	Solid	Total BTEX	
880-29157-13	CS-13 (1')	Total/NA	Solid	Total BTEX	
880-29157-14	CS-14 (1')	Total/NA	Solid	Total BTEX	
880-29157-15	CS-15 (1')	Total/NA	Solid	Total BTEX	
880-29157-16	CS-16 (1')	Total/NA	Solid	Total BTEX	
880-29157-17	CS-17 (1')	Total/NA	Solid	Total BTEX	
880-29157-18	CS-18 (1')	Total/NA	Solid	Total BTEX	
880-29157-19	CS-19 (1')	Total/NA	Solid	Total BTEX	
880-29157-20	CS-20 (1')	Total/NA	Solid	Total BTEX	
880-29157-21	CS-21 (1')	Total/NA	Solid	Total BTEX	
880-29157-22	CS-22 (1')	Total/NA	Solid	Total BTEX	
880-29157-23	CS-23 (1')	Total/NA	Solid	Total BTEX	
880-29157-24	CS-24 (1')	Total/NA	Solid	Total BTEX	
880-29157-25	CS-25 (1')	Total/NA	Solid	Total BTEX	
880-29157-26	CS-26 (1')	Total/NA	Solid	Total BTEX	
880-29157-27	CS-27 (4.5')	Total/NA	Solid	Total BTEX	
880-29157-28	CS-28 (4.5')	Total/NA	Solid	Total BTEX	
880-29157-29	CS-29 (4.5')	Total/NA	Solid	Total BTEX	
880-29157-30	CS-30 (4.5')	Total/NA	Solid	Total BTEX	
880-29157-31	CS-31 (4.5')	Total/NA	Solid	Total BTEX	
880-29157-32	CS-32 (4.5')	Total/NA	Solid	Total BTEX	
880-29157-33	CS-33 (4.5')	Total/NA	Solid	Total BTEX	
880-29157-34	CS-34 (4.5')	Total/NA	Solid	Total BTEX	
880-29157-35	CS-35 (4.5')	Total/NA	Solid	Total BTEX	
880-29157-36	CS-36 (4.5')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 54956 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29157-37	CS-37 (4.5')	Total/NA	Solid	Total BTEX	
880-29157-38	CS-38 (4.5')	Total/NA	Solid	Total BTEX	
880-29157-39	CS-39 (4.5')	Total/NA	Solid	Total BTEX	
880-29157-40	CS-40 (4.5')	Total/NA	Solid	Total BTEX	
880-29157-41	CS-41 (4.5')	Total/NA	Solid	Total BTEX	
880-29157-42	CS-42 (4.5')	Total/NA	Solid	Total BTEX	
880-29157-43	CS-43 (4.5')	Total/NA	Solid	Total BTEX	
880-29157-44	CS-44 (4.5')	Total/NA	Solid	Total BTEX	
880-29157-45	CS-45 (4.5')	Total/NA	Solid	Total BTEX	
880-29157-46	CS-46 (4.5')	Total/NA	Solid	Total BTEX	
880-29157-47	CS-47 (4.5')	Total/NA	Solid	Total BTEX	
880-29157-48	CS-48 (4.5')	Total/NA	Solid	Total BTEX	
880-29157-49	CS-49 (4.5')	Total/NA	Solid	Total BTEX	
880-29157-50	CS-50 (4.5')	Total/NA	Solid	Total BTEX	
880-29157-51	CS-51 (4.5')	Total/NA	Solid	Total BTEX	
880-29157-52	CS-52 (4.5')	Total/NA	Solid	Total BTEX	
880-29157-53	SW-1 (1')	Total/NA	Solid	Total BTEX	
880-29157-54	SW-2 (3.5')	Total/NA	Solid	Total BTEX	
880-29157-55	SW-3 (3.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 54829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29157-1	CS-1 (1')	Total/NA	Solid	8015B NM	54897
880-29157-2	CS-2 (1')	Total/NA	Solid	8015B NM	54897
880-29157-3	CS-3 (1')	Total/NA	Solid	8015B NM	54897
880-29157-4	CS-4 (1')	Total/NA	Solid	8015B NM	54897
880-29157-5	CS-5 (1')	Total/NA	Solid	8015B NM	54897
880-29157-6	CS-6 (1')	Total/NA	Solid	8015B NM	54897
880-29157-7	CS-7 (1')	Total/NA	Solid	8015B NM	54897
880-29157-8	CS-8 (1')	Total/NA	Solid	8015B NM	54897
880-29157-9	CS-9 (1')	Total/NA	Solid	8015B NM	54897
880-29157-10	CS-10 (1')	Total/NA	Solid	8015B NM	54897
880-29157-11	CS-11 (1')	Total/NA	Solid	8015B NM	54897
880-29157-12	CS-12 (1')	Total/NA	Solid	8015B NM	54897
880-29157-13	CS-13 (1')	Total/NA	Solid	8015B NM	54897
880-29157-14	CS-14 (1')	Total/NA	Solid	8015B NM	54897
880-29157-15	CS-15 (1')	Total/NA	Solid	8015B NM	54897
880-29157-16	CS-16 (1')	Total/NA	Solid	8015B NM	54897
880-29157-17	CS-17 (1')	Total/NA	Solid	8015B NM	54897
880-29157-18	CS-18 (1')	Total/NA	Solid	8015B NM	54897
880-29157-19	CS-19 (1')	Total/NA	Solid	8015B NM	54897
880-29157-20	CS-20 (1')	Total/NA	Solid	8015B NM	54897
880-29157-41	CS-41 (4.5')	Total/NA	Solid	8015B NM	54899
880-29157-42	CS-42 (4.5')	Total/NA	Solid	8015B NM	54899
880-29157-43	CS-43 (4.5')	Total/NA	Solid	8015B NM	54899
880-29157-44	CS-44 (4.5')	Total/NA	Solid	8015B NM	54899
880-29157-45	CS-45 (4.5')	Total/NA	Solid	8015B NM	54899
MB 880-54897/1-A	Method Blank	Total/NA	Solid	8015B NM	54897
MB 880-54899/1-A	Method Blank	Total/NA	Solid	8015B NM	54899

QC Association Summary

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 54829 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-54897/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	54897
LCS 880-54899/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	54899
LCSD 880-54897/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	54897
LCSD 880-54899/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	54899
880-29157-1 MS	CS-1 (1')	Total/NA	Solid	8015B NM	54897
880-29157-1 MSD	CS-1 (1')	Total/NA	Solid	8015B NM	54897
880-29157-41 MS	CS-41 (4.5')	Total/NA	Solid	8015B NM	54899
880-29157-41 MSD	CS-41 (4.5')	Total/NA	Solid	8015B NM	54899

Analysis Batch: 54831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29157-21	CS-21 (1')	Total/NA	Solid	8015B NM	54898
880-29157-22	CS-22 (1')	Total/NA	Solid	8015B NM	54898
880-29157-23	CS-23 (1')	Total/NA	Solid	8015B NM	54898
880-29157-24	CS-24 (1')	Total/NA	Solid	8015B NM	54898
880-29157-25	CS-25 (1')	Total/NA	Solid	8015B NM	54898
880-29157-26	CS-26 (1')	Total/NA	Solid	8015B NM	54898
880-29157-27	CS-27 (4.5')	Total/NA	Solid	8015B NM	54898
880-29157-28	CS-28 (4.5')	Total/NA	Solid	8015B NM	54898
880-29157-29	CS-29 (4.5')	Total/NA	Solid	8015B NM	54898
880-29157-30	CS-30 (4.5')	Total/NA	Solid	8015B NM	54898
880-29157-31	CS-31 (4.5')	Total/NA	Solid	8015B NM	54898
880-29157-32	CS-32 (4.5')	Total/NA	Solid	8015B NM	54898
880-29157-33	CS-33 (4.5')	Total/NA	Solid	8015B NM	54898
880-29157-34	CS-34 (4.5')	Total/NA	Solid	8015B NM	54898
880-29157-35	CS-35 (4.5')	Total/NA	Solid	8015B NM	54898
880-29157-36	CS-36 (4.5')	Total/NA	Solid	8015B NM	54898
880-29157-37	CS-37 (4.5')	Total/NA	Solid	8015B NM	54898
880-29157-38	CS-38 (4.5')	Total/NA	Solid	8015B NM	54898
880-29157-39	CS-39 (4.5')	Total/NA	Solid	8015B NM	54898
880-29157-40	CS-40 (4.5')	Total/NA	Solid	8015B NM	54898
880-29157-46	CS-46 (4.5')	Total/NA	Solid	8015B NM	54899
880-29157-47	CS-47 (4.5')	Total/NA	Solid	8015B NM	54899
880-29157-48	CS-48 (4.5')	Total/NA	Solid	8015B NM	54899
880-29157-49	CS-49 (4.5')	Total/NA	Solid	8015B NM	54899
880-29157-50	CS-50 (4.5')	Total/NA	Solid	8015B NM	54899
880-29157-51	CS-51 (4.5')	Total/NA	Solid	8015B NM	54899
880-29157-52	CS-52 (4.5')	Total/NA	Solid	8015B NM	54899
880-29157-53	SW-1 (1')	Total/NA	Solid	8015B NM	54899
880-29157-54	SW-2 (3.5')	Total/NA	Solid	8015B NM	54899
880-29157-55	SW-3 (3.5')	Total/NA	Solid	8015B NM	54899
MB 880-54898/1-A	Method Blank	Total/NA	Solid	8015B NM	54898
LCS 880-54898/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	54898
LCSD 880-54898/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	54898
880-29157-21 MS	CS-21 (1')	Total/NA	Solid	8015B NM	54898
880-29157-21 MSD	CS-21 (1')	Total/NA	Solid	8015B NM	54898

Prep Batch: 54897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29157-1	CS-1 (1')	Total/NA	Solid	8015NM Prep	
880-29157-2	CS-2 (1')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 54897 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29157-3	CS-3 (1')	Total/NA	Solid	8015NM Prep	
880-29157-4	CS-4 (1')	Total/NA	Solid	8015NM Prep	
880-29157-5	CS-5 (1')	Total/NA	Solid	8015NM Prep	
880-29157-6	CS-6 (1')	Total/NA	Solid	8015NM Prep	
880-29157-7	CS-7 (1')	Total/NA	Solid	8015NM Prep	
880-29157-8	CS-8 (1')	Total/NA	Solid	8015NM Prep	
880-29157-9	CS-9 (1')	Total/NA	Solid	8015NM Prep	
880-29157-10	CS-10 (1')	Total/NA	Solid	8015NM Prep	
880-29157-11	CS-11 (1')	Total/NA	Solid	8015NM Prep	
880-29157-12	CS-12 (1')	Total/NA	Solid	8015NM Prep	
880-29157-13	CS-13 (1')	Total/NA	Solid	8015NM Prep	
880-29157-14	CS-14 (1')	Total/NA	Solid	8015NM Prep	
880-29157-15	CS-15 (1')	Total/NA	Solid	8015NM Prep	
880-29157-16	CS-16 (1')	Total/NA	Solid	8015NM Prep	
880-29157-17	CS-17 (1')	Total/NA	Solid	8015NM Prep	
880-29157-18	CS-18 (1')	Total/NA	Solid	8015NM Prep	
880-29157-19	CS-19 (1')	Total/NA	Solid	8015NM Prep	
880-29157-20	CS-20 (1')	Total/NA	Solid	8015NM Prep	
MB 880-54897/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-54897/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-54897/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-29157-1 MS	CS-1 (1')	Total/NA	Solid	8015NM Prep	
880-29157-1 MSD	CS-1 (1')	Total/NA	Solid	8015NM Prep	

Prep Batch: 54898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29157-21	CS-21 (1')	Total/NA	Solid	8015NM Prep	
880-29157-22	CS-22 (1')	Total/NA	Solid	8015NM Prep	
880-29157-23	CS-23 (1')	Total/NA	Solid	8015NM Prep	
880-29157-24	CS-24 (1')	Total/NA	Solid	8015NM Prep	
880-29157-25	CS-25 (1')	Total/NA	Solid	8015NM Prep	
880-29157-26	CS-26 (1')	Total/NA	Solid	8015NM Prep	
880-29157-27	CS-27 (4.5')	Total/NA	Solid	8015NM Prep	
880-29157-28	CS-28 (4.5')	Total/NA	Solid	8015NM Prep	
880-29157-29	CS-29 (4.5')	Total/NA	Solid	8015NM Prep	
880-29157-30	CS-30 (4.5')	Total/NA	Solid	8015NM Prep	
880-29157-31	CS-31 (4.5')	Total/NA	Solid	8015NM Prep	
880-29157-32	CS-32 (4.5')	Total/NA	Solid	8015NM Prep	
880-29157-33	CS-33 (4.5')	Total/NA	Solid	8015NM Prep	
880-29157-34	CS-34 (4.5')	Total/NA	Solid	8015NM Prep	
880-29157-35	CS-35 (4.5')	Total/NA	Solid	8015NM Prep	
880-29157-36	CS-36 (4.5')	Total/NA	Solid	8015NM Prep	
880-29157-37	CS-37 (4.5')	Total/NA	Solid	8015NM Prep	
880-29157-38	CS-38 (4.5')	Total/NA	Solid	8015NM Prep	
880-29157-39	CS-39 (4.5')	Total/NA	Solid	8015NM Prep	
880-29157-40	CS-40 (4.5')	Total/NA	Solid	8015NM Prep	
MB 880-54898/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-54898/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-54898/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-29157-21 MS	CS-21 (1')	Total/NA	Solid	8015NM Prep	
880-29157-21 MSD	CS-21 (1')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

GC Semi VOA

Prep Batch: 54899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29157-41	CS-41 (4.5')	Total/NA	Solid	8015NM Prep	
880-29157-42	CS-42 (4.5')	Total/NA	Solid	8015NM Prep	
880-29157-43	CS-43 (4.5')	Total/NA	Solid	8015NM Prep	
880-29157-44	CS-44 (4.5')	Total/NA	Solid	8015NM Prep	
880-29157-45	CS-45 (4.5')	Total/NA	Solid	8015NM Prep	
880-29157-46	CS-46 (4.5')	Total/NA	Solid	8015NM Prep	
880-29157-47	CS-47 (4.5')	Total/NA	Solid	8015NM Prep	
880-29157-48	CS-48 (4.5')	Total/NA	Solid	8015NM Prep	
880-29157-49	CS-49 (4.5')	Total/NA	Solid	8015NM Prep	
880-29157-50	CS-50 (4.5')	Total/NA	Solid	8015NM Prep	
880-29157-51	CS-51 (4.5')	Total/NA	Solid	8015NM Prep	
880-29157-52	CS-52 (4.5')	Total/NA	Solid	8015NM Prep	
880-29157-53	SW-1 (1')	Total/NA	Solid	8015NM Prep	
880-29157-54	SW-2 (3.5')	Total/NA	Solid	8015NM Prep	
880-29157-55	SW-3 (3.5')	Total/NA	Solid	8015NM Prep	
MB 880-54899/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-54899/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-54899/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-29157-41 MS	CS-41 (4.5')	Total/NA	Solid	8015NM Prep	
880-29157-41 MSD	CS-41 (4.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 54952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29157-1	CS-1 (1')	Total/NA	Solid	8015 NM	
880-29157-2	CS-2 (1')	Total/NA	Solid	8015 NM	
880-29157-3	CS-3 (1')	Total/NA	Solid	8015 NM	
880-29157-4	CS-4 (1')	Total/NA	Solid	8015 NM	
880-29157-5	CS-5 (1')	Total/NA	Solid	8015 NM	
880-29157-6	CS-6 (1')	Total/NA	Solid	8015 NM	
880-29157-7	CS-7 (1')	Total/NA	Solid	8015 NM	
880-29157-8	CS-8 (1')	Total/NA	Solid	8015 NM	
880-29157-9	CS-9 (1')	Total/NA	Solid	8015 NM	
880-29157-10	CS-10 (1')	Total/NA	Solid	8015 NM	
880-29157-11	CS-11 (1')	Total/NA	Solid	8015 NM	
880-29157-12	CS-12 (1')	Total/NA	Solid	8015 NM	
880-29157-13	CS-13 (1')	Total/NA	Solid	8015 NM	
880-29157-14	CS-14 (1')	Total/NA	Solid	8015 NM	
880-29157-15	CS-15 (1')	Total/NA	Solid	8015 NM	
880-29157-16	CS-16 (1')	Total/NA	Solid	8015 NM	
880-29157-17	CS-17 (1')	Total/NA	Solid	8015 NM	
880-29157-18	CS-18 (1')	Total/NA	Solid	8015 NM	
880-29157-19	CS-19 (1')	Total/NA	Solid	8015 NM	
880-29157-20	CS-20 (1')	Total/NA	Solid	8015 NM	
880-29157-21	CS-21 (1')	Total/NA	Solid	8015 NM	
880-29157-22	CS-22 (1')	Total/NA	Solid	8015 NM	
880-29157-23	CS-23 (1')	Total/NA	Solid	8015 NM	
880-29157-24	CS-24 (1')	Total/NA	Solid	8015 NM	
880-29157-25	CS-25 (1')	Total/NA	Solid	8015 NM	
880-29157-26	CS-26 (1')	Total/NA	Solid	8015 NM	
880-29157-27	CS-27 (4.5')	Total/NA	Solid	8015 NM	
880-29157-28	CS-28 (4.5')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 54952 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29157-29	CS-29 (4.5')	Total/NA	Solid	8015 NM	
880-29157-30	CS-30 (4.5')	Total/NA	Solid	8015 NM	
880-29157-31	CS-31 (4.5')	Total/NA	Solid	8015 NM	
880-29157-32	CS-32 (4.5')	Total/NA	Solid	8015 NM	
880-29157-33	CS-33 (4.5')	Total/NA	Solid	8015 NM	
880-29157-34	CS-34 (4.5')	Total/NA	Solid	8015 NM	
880-29157-35	CS-35 (4.5')	Total/NA	Solid	8015 NM	
880-29157-36	CS-36 (4.5')	Total/NA	Solid	8015 NM	
880-29157-37	CS-37 (4.5')	Total/NA	Solid	8015 NM	
880-29157-38	CS-38 (4.5')	Total/NA	Solid	8015 NM	
880-29157-39	CS-39 (4.5')	Total/NA	Solid	8015 NM	
880-29157-40	CS-40 (4.5')	Total/NA	Solid	8015 NM	
880-29157-41	CS-41 (4.5')	Total/NA	Solid	8015 NM	
880-29157-42	CS-42 (4.5')	Total/NA	Solid	8015 NM	
880-29157-43	CS-43 (4.5')	Total/NA	Solid	8015 NM	
880-29157-44	CS-44 (4.5')	Total/NA	Solid	8015 NM	
880-29157-45	CS-45 (4.5')	Total/NA	Solid	8015 NM	
880-29157-46	CS-46 (4.5')	Total/NA	Solid	8015 NM	
880-29157-47	CS-47 (4.5')	Total/NA	Solid	8015 NM	
880-29157-48	CS-48 (4.5')	Total/NA	Solid	8015 NM	
880-29157-49	CS-49 (4.5')	Total/NA	Solid	8015 NM	
880-29157-50	CS-50 (4.5')	Total/NA	Solid	8015 NM	
880-29157-51	CS-51 (4.5')	Total/NA	Solid	8015 NM	
880-29157-52	CS-52 (4.5')	Total/NA	Solid	8015 NM	
880-29157-53	SW-1 (1')	Total/NA	Solid	8015 NM	
880-29157-54	SW-2 (3.5')	Total/NA	Solid	8015 NM	
880-29157-55	SW-3 (3.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 54891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29157-41	CS-41 (4.5')	Soluble	Solid	DI Leach	
880-29157-42	CS-42 (4.5')	Soluble	Solid	DI Leach	
880-29157-43	CS-43 (4.5')	Soluble	Solid	DI Leach	
880-29157-44	CS-44 (4.5')	Soluble	Solid	DI Leach	
880-29157-45	CS-45 (4.5')	Soluble	Solid	DI Leach	
880-29157-46	CS-46 (4.5')	Soluble	Solid	DI Leach	
880-29157-47	CS-47 (4.5')	Soluble	Solid	DI Leach	
880-29157-48	CS-48 (4.5')	Soluble	Solid	DI Leach	
MB 880-54891/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-54891/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-54891/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-29153-A-4-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-29153-A-4-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 54893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29157-1	CS-1 (1')	Soluble	Solid	DI Leach	
880-29157-2	CS-2 (1')	Soluble	Solid	DI Leach	
880-29157-3	CS-3 (1')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 54893 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29157-4	CS-4 (1')	Soluble	Solid	DI Leach	
880-29157-5	CS-5 (1')	Soluble	Solid	DI Leach	
880-29157-6	CS-6 (1')	Soluble	Solid	DI Leach	
880-29157-7	CS-7 (1')	Soluble	Solid	DI Leach	
880-29157-8	CS-8 (1')	Soluble	Solid	DI Leach	
880-29157-9	CS-9 (1')	Soluble	Solid	DI Leach	
880-29157-10	CS-10 (1')	Soluble	Solid	DI Leach	
880-29157-11	CS-11 (1')	Soluble	Solid	DI Leach	
880-29157-12	CS-12 (1')	Soluble	Solid	DI Leach	
880-29157-13	CS-13 (1')	Soluble	Solid	DI Leach	
880-29157-14	CS-14 (1')	Soluble	Solid	DI Leach	
880-29157-15	CS-15 (1')	Soluble	Solid	DI Leach	
880-29157-16	CS-16 (1')	Soluble	Solid	DI Leach	
880-29157-17	CS-17 (1')	Soluble	Solid	DI Leach	
880-29157-18	CS-18 (1')	Soluble	Solid	DI Leach	
880-29157-19	CS-19 (1')	Soluble	Solid	DI Leach	
880-29157-20	CS-20 (1')	Soluble	Solid	DI Leach	
MB 880-54893/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-54893/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-54893/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-29157-1 MS	CS-1 (1')	Soluble	Solid	DI Leach	
880-29157-1 MSD	CS-1 (1')	Soluble	Solid	DI Leach	
880-29157-11 MS	CS-11 (1')	Soluble	Solid	DI Leach	
880-29157-11 MSD	CS-11 (1')	Soluble	Solid	DI Leach	

Leach Batch: 54894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29157-21	CS-21 (1')	Soluble	Solid	DI Leach	
880-29157-22	CS-22 (1')	Soluble	Solid	DI Leach	
880-29157-23	CS-23 (1')	Soluble	Solid	DI Leach	
880-29157-24	CS-24 (1')	Soluble	Solid	DI Leach	
880-29157-25	CS-25 (1')	Soluble	Solid	DI Leach	
880-29157-26	CS-26 (1')	Soluble	Solid	DI Leach	
880-29157-27	CS-27 (4.5')	Soluble	Solid	DI Leach	
880-29157-28	CS-28 (4.5')	Soluble	Solid	DI Leach	
880-29157-29	CS-29 (4.5')	Soluble	Solid	DI Leach	
880-29157-30	CS-30 (4.5')	Soluble	Solid	DI Leach	
880-29157-31	CS-31 (4.5')	Soluble	Solid	DI Leach	
880-29157-32	CS-32 (4.5')	Soluble	Solid	DI Leach	
880-29157-33	CS-33 (4.5')	Soluble	Solid	DI Leach	
880-29157-34	CS-34 (4.5')	Soluble	Solid	DI Leach	
880-29157-35	CS-35 (4.5')	Soluble	Solid	DI Leach	
880-29157-36	CS-36 (4.5')	Soluble	Solid	DI Leach	
880-29157-37	CS-37 (4.5')	Soluble	Solid	DI Leach	
880-29157-38	CS-38 (4.5')	Soluble	Solid	DI Leach	
880-29157-39	CS-39 (4.5')	Soluble	Solid	DI Leach	
880-29157-40	CS-40 (4.5')	Soluble	Solid	DI Leach	
MB 880-54894/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-54894/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-54894/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-29157-21 MS	CS-21 (1')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 54894 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29157-21 MSD	CS-21 (1')	Soluble	Solid	DI Leach	
880-29157-31 MS	CS-31 (4.5')	Soluble	Solid	DI Leach	
880-29157-31 MSD	CS-31 (4.5')	Soluble	Solid	DI Leach	

Leach Batch: 54896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29157-49	CS-49 (4.5')	Soluble	Solid	DI Leach	
880-29157-50	CS-50 (4.5')	Soluble	Solid	DI Leach	
880-29157-51	CS-51 (4.5')	Soluble	Solid	DI Leach	
880-29157-52	CS-52 (4.5')	Soluble	Solid	DI Leach	
880-29157-53	SW-1 (1')	Soluble	Solid	DI Leach	
880-29157-54	SW-2 (3.5')	Soluble	Solid	DI Leach	
880-29157-55	SW-3 (3.5')	Soluble	Solid	DI Leach	
MB 880-54896/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-54896/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-54896/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-29157-49 MS	CS-49 (4.5')	Soluble	Solid	DI Leach	
880-29157-49 MSD	CS-49 (4.5')	Soluble	Solid	DI Leach	

Analysis Batch: 54913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29157-21	CS-21 (1')	Soluble	Solid	300.0	54894
880-29157-22	CS-22 (1')	Soluble	Solid	300.0	54894
880-29157-23	CS-23 (1')	Soluble	Solid	300.0	54894
880-29157-24	CS-24 (1')	Soluble	Solid	300.0	54894
880-29157-25	CS-25 (1')	Soluble	Solid	300.0	54894
880-29157-26	CS-26 (1')	Soluble	Solid	300.0	54894
880-29157-27	CS-27 (4.5')	Soluble	Solid	300.0	54894
880-29157-28	CS-28 (4.5')	Soluble	Solid	300.0	54894
880-29157-29	CS-29 (4.5')	Soluble	Solid	300.0	54894
880-29157-30	CS-30 (4.5')	Soluble	Solid	300.0	54894
880-29157-31	CS-31 (4.5')	Soluble	Solid	300.0	54894
880-29157-32	CS-32 (4.5')	Soluble	Solid	300.0	54894
880-29157-33	CS-33 (4.5')	Soluble	Solid	300.0	54894
880-29157-34	CS-34 (4.5')	Soluble	Solid	300.0	54894
880-29157-35	CS-35 (4.5')	Soluble	Solid	300.0	54894
880-29157-36	CS-36 (4.5')	Soluble	Solid	300.0	54894
880-29157-37	CS-37 (4.5')	Soluble	Solid	300.0	54894
880-29157-38	CS-38 (4.5')	Soluble	Solid	300.0	54894
880-29157-39	CS-39 (4.5')	Soluble	Solid	300.0	54894
880-29157-40	CS-40 (4.5')	Soluble	Solid	300.0	54894
MB 880-54894/1-A	Method Blank	Soluble	Solid	300.0	54894
LCS 880-54894/2-A	Lab Control Sample	Soluble	Solid	300.0	54894
LCSD 880-54894/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	54894
880-29157-21 MS	CS-21 (1')	Soluble	Solid	300.0	54894
880-29157-21 MSD	CS-21 (1')	Soluble	Solid	300.0	54894
880-29157-31 MS	CS-31 (4.5')	Soluble	Solid	300.0	54894
880-29157-31 MSD	CS-31 (4.5')	Soluble	Solid	300.0	54894

QC Association Summary

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

HPLC/IC

Analysis Batch: 54914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29157-1	CS-1 (1')	Soluble	Solid	300.0	54893
880-29157-2	CS-2 (1')	Soluble	Solid	300.0	54893
880-29157-3	CS-3 (1')	Soluble	Solid	300.0	54893
880-29157-4	CS-4 (1')	Soluble	Solid	300.0	54893
880-29157-5	CS-5 (1')	Soluble	Solid	300.0	54893
880-29157-6	CS-6 (1')	Soluble	Solid	300.0	54893
880-29157-7	CS-7 (1')	Soluble	Solid	300.0	54893
880-29157-8	CS-8 (1')	Soluble	Solid	300.0	54893
880-29157-9	CS-9 (1')	Soluble	Solid	300.0	54893
880-29157-10	CS-10 (1')	Soluble	Solid	300.0	54893
880-29157-11	CS-11 (1')	Soluble	Solid	300.0	54893
880-29157-12	CS-12 (1')	Soluble	Solid	300.0	54893
880-29157-13	CS-13 (1')	Soluble	Solid	300.0	54893
880-29157-14	CS-14 (1')	Soluble	Solid	300.0	54893
880-29157-15	CS-15 (1')	Soluble	Solid	300.0	54893
880-29157-16	CS-16 (1')	Soluble	Solid	300.0	54893
880-29157-17	CS-17 (1')	Soluble	Solid	300.0	54893
880-29157-18	CS-18 (1')	Soluble	Solid	300.0	54893
880-29157-19	CS-19 (1')	Soluble	Solid	300.0	54893
880-29157-20	CS-20 (1')	Soluble	Solid	300.0	54893
MB 880-54893/1-A	Method Blank	Soluble	Solid	300.0	54893
LCS 880-54893/2-A	Lab Control Sample	Soluble	Solid	300.0	54893
LCSD 880-54893/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	54893
880-29157-1 MS	CS-1 (1')	Soluble	Solid	300.0	54893
880-29157-1 MSD	CS-1 (1')	Soluble	Solid	300.0	54893
880-29157-11 MS	CS-11 (1')	Soluble	Solid	300.0	54893
880-29157-11 MSD	CS-11 (1')	Soluble	Solid	300.0	54893

Analysis Batch: 54915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29157-41	CS-41 (4.5')	Soluble	Solid	300.0	54891
880-29157-42	CS-42 (4.5')	Soluble	Solid	300.0	54891
880-29157-43	CS-43 (4.5')	Soluble	Solid	300.0	54891
880-29157-44	CS-44 (4.5')	Soluble	Solid	300.0	54891
880-29157-45	CS-45 (4.5')	Soluble	Solid	300.0	54891
880-29157-46	CS-46 (4.5')	Soluble	Solid	300.0	54891
880-29157-47	CS-47 (4.5')	Soluble	Solid	300.0	54891
880-29157-48	CS-48 (4.5')	Soluble	Solid	300.0	54891
MB 880-54891/1-A	Method Blank	Soluble	Solid	300.0	54891
LCS 880-54891/2-A	Lab Control Sample	Soluble	Solid	300.0	54891
LCSD 880-54891/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	54891
880-29153-A-4-B MS	Matrix Spike	Soluble	Solid	300.0	54891
880-29153-A-4-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	54891

Analysis Batch: 54916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29157-49	CS-49 (4.5')	Soluble	Solid	300.0	54896
880-29157-50	CS-50 (4.5')	Soluble	Solid	300.0	54896
880-29157-51	CS-51 (4.5')	Soluble	Solid	300.0	54896
880-29157-52	CS-52 (4.5')	Soluble	Solid	300.0	54896
880-29157-53	SW-1 (1')	Soluble	Solid	300.0	54896

QC Association Summary

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 54916 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29157-54	SW-2 (3.5')	Soluble	Solid	300.0	54896
880-29157-55	SW-3 (3.5')	Soluble	Solid	300.0	54896
MB 880-54896/1-A	Method Blank	Soluble	Solid	300.0	54896
LCS 880-54896/2-A	Lab Control Sample	Soluble	Solid	300.0	54896
LCSD 880-54896/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	54896
880-29157-49 MS	CS-49 (4.5')	Soluble	Solid	300.0	54896
880-29157-49 MSD	CS-49 (4.5')	Soluble	Solid	300.0	54896

Lab Chronicle

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-1 (1')

Lab Sample ID: 880-29157-1
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	54892	06/06/23 15:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54872	06/07/23 04:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 10:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54897	06/06/23 15:33	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54829	06/06/23 16:33	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	54893	06/06/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54914	06/06/23 22:55	CH	EET MID

Client Sample ID: CS-2 (1')

Lab Sample ID: 880-29157-2
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	54892	06/06/23 15:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54872	06/07/23 05:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 10:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54897	06/06/23 15:33	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54829	06/06/23 17:37	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	54893	06/06/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54914	06/06/23 23:11	CH	EET MID

Client Sample ID: CS-3 (1')

Lab Sample ID: 880-29157-3
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	54892	06/06/23 15:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54872	06/07/23 05:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 10:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	54897	06/06/23 15:33	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54829	06/06/23 17:59	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	54893	06/06/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54914	06/06/23 23:17	CH	EET MID

Client Sample ID: CS-4 (1')

Lab Sample ID: 880-29157-4
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	54892	06/06/23 15:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54872	06/07/23 05:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 10:05	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-4 (1')

Lab Sample ID: 880-29157-4
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54897	06/06/23 15:33	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54829	06/06/23 18:21	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	54893	06/06/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54914	06/06/23 23:22	CH	EET MID

Client Sample ID: CS-5 (1')

Lab Sample ID: 880-29157-5
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	54892	06/06/23 15:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54872	06/07/23 06:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 10:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54897	06/06/23 15:33	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54829	06/06/23 18:43	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	54893	06/06/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54914	06/06/23 23:27	CH	EET MID

Client Sample ID: CS-6 (1')

Lab Sample ID: 880-29157-6
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	54892	06/06/23 15:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54872	06/07/23 06:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 10:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	54897	06/06/23 15:33	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54829	06/06/23 19:04	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	54893	06/06/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54914	06/06/23 23:43	CH	EET MID

Client Sample ID: CS-7 (1')

Lab Sample ID: 880-29157-7
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	54892	06/06/23 15:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54872	06/07/23 07:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 10:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54897	06/06/23 15:33	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54829	06/06/23 19:26	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-7 (1') — Lab Sample ID: 880-29157-7

Date Collected: 06/02/23 00:00 — **Matrix: Solid**
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	54893	06/06/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54914	06/06/23 23:49	CH	EET MID

Client Sample ID: CS-8 (1') — Lab Sample ID: 880-29157-8

Date Collected: 06/02/23 00:00 — **Matrix: Solid**
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	54892	06/06/23 15:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54872	06/07/23 07:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 10:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54897	06/06/23 15:33	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54829	06/06/23 19:49	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	54893	06/06/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54914	06/06/23 23:54	CH	EET MID

Client Sample ID: CS-9 (1') — Lab Sample ID: 880-29157-9

Date Collected: 06/02/23 00:00 — **Matrix: Solid**
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	54892	06/06/23 15:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54872	06/07/23 08:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 10:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54897	06/06/23 15:33	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54829	06/06/23 20:11	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	54893	06/06/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54914	06/06/23 23:59	CH	EET MID

Client Sample ID: CS-10 (1') — Lab Sample ID: 880-29157-10

Date Collected: 06/02/23 00:00 — **Matrix: Solid**
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	54892	06/06/23 15:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54872	06/07/23 08:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 10:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54897	06/06/23 15:33	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54829	06/06/23 20:32	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	54893	06/06/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54914	06/07/23 00:05	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-11 (1')

Lab Sample ID: 880-29157-11
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	54892	06/06/23 15:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54872	06/07/23 10:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 17:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	54897	06/06/23 15:33	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54829	06/06/23 21:17	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	54893	06/06/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54914	06/07/23 00:10	CH	EET MID

Client Sample ID: CS-12 (1')

Lab Sample ID: 880-29157-12
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	54892	06/06/23 15:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54872	06/07/23 10:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 17:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54897	06/06/23 15:33	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54829	06/06/23 21:38	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	54893	06/06/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54914	06/07/23 00:26	CH	EET MID

Client Sample ID: CS-13 (1')

Lab Sample ID: 880-29157-13
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	54892	06/06/23 15:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54872	06/07/23 11:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 17:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	54897	06/06/23 15:33	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54829	06/06/23 22:00	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	54893	06/06/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54914	06/07/23 00:31	CH	EET MID

Client Sample ID: CS-14 (1')

Lab Sample ID: 880-29157-14
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	54892	06/06/23 15:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54872	06/07/23 11:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 17:24	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-14 (1')

Lab Sample ID: 880-29157-14
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54897	06/06/23 15:33	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54829	06/06/23 22:22	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	54893	06/06/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54914	06/07/23 00:47	CH	EET MID

Client Sample ID: CS-15 (1')

Lab Sample ID: 880-29157-15
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	54892	06/06/23 15:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54872	06/07/23 12:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 17:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54897	06/06/23 15:33	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54829	06/06/23 22:43	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	54893	06/06/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54914	06/07/23 00:53	CH	EET MID

Client Sample ID: CS-16 (1')

Lab Sample ID: 880-29157-16
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	54892	06/06/23 15:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54872	06/07/23 12:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 17:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	54897	06/06/23 15:33	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54829	06/06/23 23:05	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	54893	06/06/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54914	06/07/23 00:58	CH	EET MID

Client Sample ID: CS-17 (1')

Lab Sample ID: 880-29157-17
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	54892	06/06/23 15:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54872	06/07/23 12:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 17:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	54897	06/06/23 15:33	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54829	06/06/23 23:27	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-17 (1')

Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Lab Sample ID: 880-29157-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	54893	06/06/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54914	06/07/23 01:04	CH	EET MID

Client Sample ID: CS-18 (1')

Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Lab Sample ID: 880-29157-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	54892	06/06/23 15:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54872	06/07/23 13:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 17:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54897	06/06/23 15:33	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54829	06/06/23 23:48	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	54893	06/06/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54914	06/07/23 01:09	CH	EET MID

Client Sample ID: CS-19 (1')

Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Lab Sample ID: 880-29157-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	54892	06/06/23 15:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54872	06/07/23 13:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 17:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54897	06/06/23 15:33	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54829	06/07/23 00:10	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	54893	06/06/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54914	06/07/23 01:14	CH	EET MID

Client Sample ID: CS-20 (1')

Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Lab Sample ID: 880-29157-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	54892	06/06/23 15:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54872	06/07/23 14:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 17:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.010 g	10 mL	54897	06/06/23 15:33	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54829	06/07/23 00:32	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	54893	06/06/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54914	06/07/23 01:20	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-21 (1')

Lab Sample ID: 880-29157-21
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	54895	06/06/23 15:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54833	06/06/23 23:06	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 17:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	54898	06/06/23 15:35	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54831	06/06/23 16:33	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	54894	06/06/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54913	06/06/23 19:49	CH	EET MID

Client Sample ID: CS-22 (1')

Lab Sample ID: 880-29157-22
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	54895	06/06/23 15:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54833	06/06/23 23:26	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 17:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54898	06/06/23 15:35	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54831	06/06/23 17:37	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	54894	06/06/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54913	06/06/23 20:05	CH	EET MID

Client Sample ID: CS-23 (1')

Lab Sample ID: 880-29157-23
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	54895	06/06/23 15:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54833	06/06/23 23:47	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 17:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54898	06/06/23 15:35	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54831	06/06/23 17:59	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	54894	06/06/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54913	06/06/23 20:10	CH	EET MID

Client Sample ID: CS-24 (1')

Lab Sample ID: 880-29157-24
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	54895	06/06/23 15:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54833	06/07/23 00:07	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 17:15	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-24 (1')

Lab Sample ID: 880-29157-24
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54898	06/06/23 15:35	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54831	06/06/23 18:21	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	54894	06/06/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54913	06/06/23 20:15	CH	EET MID

Client Sample ID: CS-25 (1')

Lab Sample ID: 880-29157-25
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	54895	06/06/23 15:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54833	06/07/23 00:28	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 17:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54898	06/06/23 15:35	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54831	06/06/23 18:43	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	54894	06/06/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54913	06/06/23 20:21	CH	EET MID

Client Sample ID: CS-26 (1')

Lab Sample ID: 880-29157-26
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	54895	06/06/23 15:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54833	06/07/23 00:48	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 17:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	54898	06/06/23 15:35	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54831	06/06/23 19:04	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	54894	06/06/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54913	06/06/23 20:37	CH	EET MID

Client Sample ID: CS-27 (4.5')

Lab Sample ID: 880-29157-27
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	54895	06/06/23 15:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54833	06/07/23 01:09	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 17:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	54898	06/06/23 15:35	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54831	06/06/23 19:26	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-27 (4.5')

Lab Sample ID: 880-29157-27
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	54894	06/06/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54913	06/06/23 20:42	CH	EET MID

Client Sample ID: CS-28 (4.5')

Lab Sample ID: 880-29157-28
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	54895	06/06/23 15:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54833	06/07/23 01:29	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 17:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	54898	06/06/23 15:35	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54831	06/06/23 19:49	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	54894	06/06/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54913	06/06/23 20:47	CH	EET MID

Client Sample ID: CS-29 (4.5')

Lab Sample ID: 880-29157-29
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	54895	06/06/23 15:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54833	06/07/23 01:50	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 17:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54898	06/06/23 15:35	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54831	06/06/23 20:11	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	54894	06/06/23 15:25	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	54913	06/06/23 20:53	CH	EET MID

Client Sample ID: CS-30 (4.5')

Lab Sample ID: 880-29157-30
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	54895	06/06/23 15:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54833	06/07/23 02:11	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 17:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54898	06/06/23 15:35	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54831	06/06/23 20:32	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	54894	06/06/23 15:25	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	54913	06/06/23 20:58	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-31 (4.5')
Lab Sample ID: 880-29157-31

Date Collected: 06/02/23 00:00
Matrix: Solid
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	54895	06/06/23 15:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54833	06/07/23 03:34	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 17:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	54898	06/06/23 15:35	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54831	06/06/23 21:17	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	54894	06/06/23 15:25	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	54913	06/06/23 21:03	CH	EET MID

Client Sample ID: CS-32 (4.5')
Lab Sample ID: 880-29157-32

Date Collected: 06/02/23 00:00
Matrix: Solid
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	54895	06/06/23 15:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54833	06/07/23 03:54	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 17:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	54898	06/06/23 15:35	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54831	06/06/23 21:38	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	54894	06/06/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54913	06/06/23 21:19	CH	EET MID

Client Sample ID: CS-33 (4.5')
Lab Sample ID: 880-29157-33

Date Collected: 06/02/23 00:00
Matrix: Solid
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	54895	06/06/23 15:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54833	06/07/23 04:15	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 17:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	54898	06/06/23 15:35	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54831	06/06/23 22:00	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	54894	06/06/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54913	06/06/23 21:25	CH	EET MID

Client Sample ID: CS-34 (4.5')
Lab Sample ID: 880-29157-34

Date Collected: 06/02/23 00:00
Matrix: Solid
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	54895	06/06/23 15:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54833	06/07/23 04:35	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 17:15	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-34 (4.5')

Lab Sample ID: 880-29157-34
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54898	06/06/23 15:35	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54831	06/06/23 22:22	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	54894	06/06/23 15:25	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	54913	06/06/23 21:41	CH	EET MID

Client Sample ID: CS-35 (4.5')

Lab Sample ID: 880-29157-35
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	54895	06/06/23 15:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54833	06/07/23 04:56	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 17:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54898	06/06/23 15:35	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54831	06/06/23 22:43	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	54894	06/06/23 15:25	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	54913	06/06/23 21:46	CH	EET MID

Client Sample ID: CS-36 (4.5')

Lab Sample ID: 880-29157-36
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	54895	06/06/23 15:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54833	06/07/23 05:16	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 17:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54898	06/06/23 15:35	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54831	06/06/23 23:05	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	54894	06/06/23 15:25	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	54913	06/06/23 21:51	CH	EET MID

Client Sample ID: CS-37 (4.5')

Lab Sample ID: 880-29157-37
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	54895	06/06/23 15:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54833	06/07/23 05:37	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 17:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	54898	06/06/23 15:35	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54831	06/06/23 23:27	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-37 (4.5')

Lab Sample ID: 880-29157-37
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	54894	06/06/23 15:25	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	54913	06/06/23 21:57	CH	EET MID

Client Sample ID: CS-38 (4.5')

Lab Sample ID: 880-29157-38
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	54895	06/06/23 15:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54833	06/07/23 05:57	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 17:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54898	06/06/23 15:35	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54831	06/06/23 23:48	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	54894	06/06/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54913	06/06/23 22:02	CH	EET MID

Client Sample ID: CS-39 (4.5')

Lab Sample ID: 880-29157-39
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	54895	06/06/23 15:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54833	06/07/23 06:18	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 17:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54898	06/06/23 15:35	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54831	06/07/23 00:10	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	54894	06/06/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54913	06/06/23 22:07	CH	EET MID

Client Sample ID: CS-40 (4.5')

Lab Sample ID: 880-29157-40
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	54895	06/06/23 15:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54833	06/07/23 06:38	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/07/23 17:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54898	06/06/23 15:35	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54831	06/07/23 00:32	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	54894	06/06/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54913	06/06/23 22:13	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-41 (4.5')

Lab Sample ID: 880-29157-41
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	54945	06/07/23 09:05	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54944	06/07/23 13:14	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/08/23 09:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54899	06/06/23 15:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54829	06/07/23 03:04	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	54891	06/06/23 16:50	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	54915	06/06/23 21:44	CH	EET MID

Client Sample ID: CS-42 (4.5')

Lab Sample ID: 880-29157-42
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	54945	06/07/23 09:05	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54944	06/07/23 13:34	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/08/23 09:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	54899	06/06/23 15:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54829	06/07/23 04:09	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	54891	06/06/23 16:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54915	06/06/23 22:00	CH	EET MID

Client Sample ID: CS-43 (4.5')

Lab Sample ID: 880-29157-43
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	54945	06/07/23 09:05	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54944	06/07/23 13:55	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/08/23 09:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	54899	06/06/23 15:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54829	06/07/23 04:32	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	54891	06/06/23 16:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54915	06/06/23 22:06	CH	EET MID

Client Sample ID: CS-44 (4.5')

Lab Sample ID: 880-29157-44
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	54945	06/07/23 09:05	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54944	06/07/23 14:15	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/08/23 09:57	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-44 (4.5')

Lab Sample ID: 880-29157-44
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	54899	06/06/23 15:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54829	06/07/23 05:15	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	54891	06/06/23 16:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54915	06/06/23 22:11	CH	EET MID

Client Sample ID: CS-45 (4.5')

Lab Sample ID: 880-29157-45
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	54945	06/07/23 09:05	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54944	06/07/23 14:36	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/08/23 09:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54899	06/06/23 15:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54829	06/07/23 04:53	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	54891	06/06/23 16:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54915	06/06/23 22:17	CH	EET MID

Client Sample ID: CS-46 (4.5')

Lab Sample ID: 880-29157-46
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	54945	06/07/23 09:05	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54944	06/07/23 14:56	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/08/23 09:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	54899	06/06/23 15:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54831	06/07/23 01:12	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	54891	06/06/23 16:50	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54915	06/06/23 22:22	CH	EET MID

Client Sample ID: CS-47 (4.5')

Lab Sample ID: 880-29157-47
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	54945	06/07/23 09:05	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54944	06/07/23 15:16	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/08/23 09:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54899	06/06/23 15:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54831	06/07/23 02:21	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-47 (4.5')

Lab Sample ID: 880-29157-47
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	54891	06/06/23 16:50	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	54915	06/06/23 22:28	CH	EET MID

Client Sample ID: CS-48 (4.5')

Lab Sample ID: 880-29157-48
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	54945	06/07/23 09:05	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54944	06/07/23 15:37	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/08/23 09:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54899	06/06/23 15:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54831	06/07/23 02:43	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	54891	06/06/23 16:50	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	54915	06/06/23 22:33	CH	EET MID

Client Sample ID: CS-49 (4.5')

Lab Sample ID: 880-29157-49
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	54945	06/07/23 09:05	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54944	06/07/23 15:57	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/08/23 09:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54899	06/06/23 15:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54831	06/07/23 03:04	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	54896	06/06/23 15:26	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54916	06/06/23 23:17	CH	EET MID

Client Sample ID: CS-50 (4.5')

Lab Sample ID: 880-29157-50
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	54945	06/07/23 09:05	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54944	06/07/23 16:18	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/08/23 09:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54899	06/06/23 15:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54831	06/07/23 03:26	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	54896	06/06/23 15:26	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54916	06/06/23 23:34	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: CS-51 (4.5')

Lab Sample ID: 880-29157-51
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	54945	06/07/23 09:05	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54944	06/07/23 18:09	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/08/23 09:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54899	06/06/23 15:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54831	06/07/23 03:48	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	54896	06/06/23 15:26	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54916	06/06/23 23:39	CH	EET MID

Client Sample ID: CS-52 (4.5')

Lab Sample ID: 880-29157-52
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	54945	06/07/23 09:05	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54944	06/07/23 18:29	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/08/23 09:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54899	06/06/23 15:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54831	06/07/23 04:09	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	54896	06/06/23 15:26	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	54916	06/06/23 23:45	CH	EET MID

Client Sample ID: SW-1 (1')

Lab Sample ID: 880-29157-53
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	54945	06/07/23 09:05	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54944	06/07/23 18:50	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/08/23 09:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	54899	06/06/23 15:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54831	06/07/23 04:32	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	54896	06/06/23 15:26	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54916	06/06/23 23:50	CH	EET MID

Client Sample ID: SW-2 (3.5')

Lab Sample ID: 880-29157-54
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	54945	06/07/23 09:05	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54944	06/07/23 19:10	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/08/23 09:57	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Client Sample ID: SW-2 (3.5')

Lab Sample ID: 880-29157-54
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54899	06/06/23 15:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54831	06/07/23 04:53	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	54896	06/06/23 15:26	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54916	06/07/23 00:07	CH	EET MID

Client Sample ID: SW-3 (3.5')

Lab Sample ID: 880-29157-55
Matrix: Solid
Date Collected: 06/02/23 00:00
Date Received: 06/06/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	54945	06/07/23 09:05	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54944	06/07/23 19:31	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54956	06/08/23 09:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			54952	06/07/23 09:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54899	06/06/23 15:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54831	06/07/23 05:15	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	54896	06/06/23 15:26	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54916	06/07/23 00:12	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-29157-1	CS-1 (1')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-2	CS-2 (1')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-3	CS-3 (1')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-4	CS-4 (1')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-5	CS-5 (1')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-6	CS-6 (1')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-7	CS-7 (1')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-8	CS-8 (1')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-9	CS-9 (1')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-10	CS-10 (1')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-11	CS-11 (1')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-12	CS-12 (1')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-13	CS-13 (1')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-14	CS-14 (1')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-15	CS-15 (1')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-16	CS-16 (1')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-17	CS-17 (1')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-18	CS-18 (1')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-19	CS-19 (1')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-20	CS-20 (1')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-21	CS-21 (1')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-22	CS-22 (1')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-23	CS-23 (1')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-24	CS-24 (1')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-25	CS-25 (1')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-26	CS-26 (1')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-27	CS-27 (4.5')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-28	CS-28 (4.5')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-29	CS-29 (4.5')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-30	CS-30 (4.5')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-31	CS-31 (4.5')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-32	CS-32 (4.5')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-33	CS-33 (4.5')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-34	CS-34 (4.5')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-35	CS-35 (4.5')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-36	CS-36 (4.5')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-37	CS-37 (4.5')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-38	CS-38 (4.5')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-39	CS-39 (4.5')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-40	CS-40 (4.5')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-41	CS-41 (4.5')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-42	CS-42 (4.5')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-43	CS-43 (4.5')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-44	CS-44 (4.5')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-45	CS-45 (4.5')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-46	CS-46 (4.5')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-47	CS-47 (4.5')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-48	CS-48 (4.5')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-49	CS-49 (4.5')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-50	CS-50 (4.5')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-51	CS-51 (4.5')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-52	CS-52 (4.5')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-53	SW-1 (1')	Solid	06/02/23 00:00	06/06/23 15:00
880-29157-54	SW-2 (3.5')	Solid	06/02/23 00:00	06/06/23 15:00

Sample Summary

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29157-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-29157-55	SW-3 (3.5')	Solid	06/02/23 00:00	06/06/23 15:00

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Project Manager	Conner Moehring	Bill to: (if different)	Grant Huckabay/Addison Guelker
Company Name	Carmona Resources	Company Name	Fasken Oil and Ranch
Address	310 W Wall St Ste 500	Address	6101 Holiday Hill Road
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Texas 79707
Phone	432-813-6823	Email	Granth@forl com/addisong@forl com & addisong@forl com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	Denton 5 SWD	Turn Around	
Project Number	1154	☐ Routine ☑ Rush	
Project Location	Lea County, New Mexico	Due Date	24 Hrs
Sampler's Name	CRM		
PO #:			

SAMPLE RECEIPT			
Temp Blank.	Yes (No)	Wet Ice.	(Yes) No
Received Intact:	(Yes) No	Thermometer ID	IR8
Cooler Custody Seals.	Yes No (N/A)	Correction Factor	-.30
Sample Custody Seals.	Yes No (N/A)	Temperature Reading	7.1
Total Containers		Corrected Temperature	6.8

Preservative Codes

None NO; DI Water H_2O; Cool Cool; MeOH Me; HCL HC; HNO_3 HN; H_2SO_4 H_2; NaOH Na; H_3PO_4 HP; $NaHSO_4$ NABIS; $Na_2S_2O_3$ $NaSO_3$; Zn Acetate+NaOH Zn; NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
CS-1 (1')	6 2 23		X		C	1		X	X	X	402
CS-2 (1')	6 2 23		X		C	1		X	X	X	
CS-3 (1')	6 2 23		X		C	1		X	X	X	
CS-4 (1')	6 2 23		X		C	1		X	X	X	
CS-5 (1')	6 2 23		X		C	1		X	X	X	
CS-6 (1')	6 2 23		X		C	1		X	X	X	
CS-7 (1')	6 2 23		X		C	1		X	X	X	
CS-8 (1')	6 2 23		X		C	1		X	X	X	
CS-9 (1')	6 2 23		X		C	1		X	X	X	
CS-10 (1')	6 2 23		X		C	1		X	X	X	

880-29157 Chain of Custody

Comments Email results to Mike Carmona mcarmona@carmonaresources com & Conner Moehring cmoehring@carmonaresources com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Conner Moehring	6-6-23 1500		

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Project Manager	Conner Moehring	Bill to (if different)	Grant Huckabay/Addison Guelker
Company Name	Carmona Resources	Company Name	Fasken Oil and Ranch
Address	310 W Wall St Ste 500	Address	6101 Holiday Hill Road
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Texas 79707
Phone	432-813-6823	Email	Granth@forl.com/addisong@forl.com & addisong@forl.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	Denton 5 SWD	Turn Around	
Project Number	1154	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date	24 Hrs
Sampler's Name	CRM		
PO #:			

SAMPLE RECEIPT				
Temp Blank.	Yes No	Wet Ice	Yes No	
Received Intact:	Yes No	Thermometer ID		
Cooler Custody Seals	Yes No N/A	Correction Factor		
Sample Custody Seals.	Yes No N/A	Temperature Reading		
Total Containers		Corrected Temperature		

Preservative Codes

None. NO — DI Water H_2O

Cool Cool — MeOH Me

HCL HC — HNO_3 HN

H_2S0_4 H_2 — NaOH Na

H_3PO_4 HP

$NaHSO_4$ NABIS

$Na_2S_2O_3$ $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
CS-11 (1')	6 2 23		X		C	1		X	X	X	
CS-12 (1')	6 2 23		X		C	1		X	X	X	
CS-13 (1')	6 2 23		X		C	1		X	X	X	
CS-14 (1')	6 2 23		X		C	1		X	X	X	
CS-15 (1')	6 2 23		X		C	1		X	X	X	
CS-16 (1')	6 2 23		X		C	1		X	X	X	
CS-17 (1')	6 2 23		X		C	1		X	X	X	
CS-18 (1')	6 2 23		X		C	1		X	X	X	
CS-19 (1')	6 2 23		X		C	1		X	X	X	
CS-20 (1')	6 2 23		X		C	1		X	X	X	

Comments Email results to Mike Carmona mcarmona@carmonaresources com & Conner Moehring cmoehring@carmonaresources com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
Carmona Resources	6-6-23 1500		

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Project Manager	Conner Moehring	Bill to (if different)	Grant Huckabay/Addison Guelker
Company Name	Carmona Resources	Company Name	Fasken Oil and Ranch
Address.	310 W Wall St Ste 500	Address.	6101 Holiday Hill Road
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Texas 79707
Phone.	432-813-6823	Email	Granth@forl com/addisong@forl com & addisong@forl com

Work Order Comments

Program: UST/PST ☐ PRP ☐ rownfields ☐ RC ☐ perfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other

Project Name.	Denton 5 SWD	Turn Around	
Project Number	1154	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date	24 Hrs
Sampler's Name	CRM		
PO #:			

SAMPLE RECEIPT				
Temp Blank.	Yes No	Wet Ice	Yes No	
Received Intact:	Yes No	Thermometer ID		
Cooler Custody Seals.	Yes No N/A	Correction Factor		
Sample Custody Seals.	Yes No N/A	Temperature Reading		
Total Containers		Corrected Temperature		

Preservative Codes

None NO; DI Water H_2O; Cool Cool; MeOH Me; HCL. HC; HNO_3 HN; H_2S0_4 H_2; NaOH Na; H_3PO_4 HP; $NaHSO_4$ NABIS; $Na_2S_2O_3$ $NaSO_3$; Zn Acetate+NaOH Zn; NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
CS-21 (1')	6 2 23		X		C	1		X	X	X	
CS-22 (1')	6 2 23		X		C	1		X	X	X	
CS-23 (1')	6 2 23		X		C	1		X	X	X	
CS-24 (1')	6 2 23		X		C	1		X	X	X	
CS-25 (1')	6 2 23		X		C	1		X	X	X	
CS-26 (1')	6 2 23		X		C	1		X	X	X	
CS-27 (4 5')	6 2 23		X		C	1		X	X	X	
CS-28 (4 5')	6 2 23		X		C	1		X	X	X	
CS-29 (4 5')	6 2 23		X		C	1		X	X	X	
CS-30 (4 5')	6 2 23		X		C	1		X	X	X	

Comments Email results to Mike Carmona mcarmona@carmonaresources com & Conner Moehring cmoehring@carmonaresources com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	6-6-23 1500		

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Project Manager	Conner Moehring	Bill to (if different)	Grant Huckabay/Addison Guelker
Company Name	Carmona Resources	Company Name.	Fasken Oil and Ranch
Address	310 W Wall St Ste 500	Address.	6101 Holiday Hill Road
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Texas 79707
Phone	432-813-6823	Email	Granth@forl com/addisong@forl com & addisong@forl com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	Denton 5 SWD	Turn Around	
Project Number	1154	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date	24 Hrs
Sampler's Name.	CRM		
PO #:			

SAMPLE RECEIPT	Temp Blank.	Yes No	Wet Ice	Yes No
Received Intact:	Yes No	Thermometer ID		
Cooler Custody Seals.	Yes No N/A	Correction Factor		
Sample Custody Seals.	Yes No N/A	Temperature Reading		
Total Containers		Corrected Temperature		

Preservative Codes

None NO; DI Water H_2O; Cool Cool; MeOH Me; HCL HC; HNO_3. HN; H_2S0_4 H_2; NaOH Na; H_3PO_4 HP; $NaHSO_4$ NABIS; $Na_2S_2O_3$ $NaSO_3$; Zn Acetate+NaOH Zn; NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
CS-31 (4 5')	6 2 23		X		C	1	X	X	X	
CS-32 (4 5')	6 2 23		X		C	1	X	X	X	
CS-33 (4 5')	6 2 23		X		C	1	X	X	X	
CS-34 (4 5')	6 2 23		X		C	1	X	X	X	
CS-35 (4 5')	6 2 23		X		C	1	X	X	X	
CS-36 (4 5')	6 2 23		X		C	1	X	X	X	
CS-37 (4 5')	6.2 23		X		C	1	X	X	X	
CS-38 (4 5')	6 2 23		X		C	1	X	X	X	
CS-39 (4 5')	6 2 23		X		C	1	X	X	X	
CS-40 (4 5')	6 2 23		X		C	1	X	X	X	

Comments Email results to Mike Carmona mcarmona@carmonaresources com & Conner Moehring cmoehring@carmonaresources com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	6-6-23 1500		

Received by OCD: 7/23/2025 5:18:16 PM

Released to Imaging: 8/27/2025 2:00:32 PM

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Work Order No: 29157

6/8/2023

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Project Manager	Conner Moehring	Bill to (if different)	Grant Huckabay/Addison Guelker
Company Name	Carmona Resources	Company Name	Fasken Oil and Ranch
Address	310 W Wall St Ste 500	Address.	6101 Holiday Hill Road
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Texas 79707
Phone	432-813-6823	Email	Granth@forl com/addisong@forl com & addisong@forl com

Work Order Comments

Program: UST/PST ☐ PRP ☐ rownfields ☐ RC ☐ perfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	Denton 5 SWD	Turn Around	
Project Number	1154	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date	24 Hrs
Sampler's Name	CRM		
PO #:			

SAMPLE RECEIPT	Temp Blank.	Yes No	Wet Ice	Yes No
Received Intact:	Yes No	Thermometer ID		
Cooler Custody Seals.	Yes No N/A	Correction Factor		
Sample Custody Seals	Yes No N/A	Temperature Reading		
Total Containers		Corrected Temperature		

Preservative Codes

None NO DI Water H_2O

Cool Cool MeOH Me

HCL HC HNO_3. HN

H_2S0_4 H_2 NaOH Na

H_3PO_4 HP

$NaHSO_4$ NABIS

$Na_2S_2O_3$ $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
CS-41 (4 5')	6 2 23		X		C	1		X	X	X	
CS-42 (4 5')	6 2 23		X		C	1		X	X	X	
CS-43 (4 5')	6 2 23		X		C	1		X	X	X	
CS-44 (4 5')	6 2 23		X		C	1		X	X	X	
CS-45 (4 5')	6 2 23		X		C	1		X	X	X	
CS-46 (4 5')	6 2 23		X		C	1		X	X	X	
CS-47 (4 5')	6 2 23		X		C	1		X	X	X	
CS-48 (4 5')	6 2 23		X		C	1		X	X	X	
CS-49 (4 5')	6 2 23		X		C	1		X	X	X	
CS-50 (4 5')	6 2 23		X		C	1		X	X	X	

Comments Email results to Mike Carmona mcarmona@carmonaresources com & Conner Moehring cmoehring@carmonaresources com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
Amanda Hines	6-6-23 1500		

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Work Order No: 29157

6/8/2023

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Project Manager	Conner Moehring	Bill to (if different)	Grant Huckabay/Addison Guelker
Company Name	Carmona Resources	Company Name	Fasken Oil and Ranch
Address	310 W Wall St Ste 500	Address	6101 Holiday Hill Road
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Texas 79707
Phone	432-813-6823	Email	Granth@forl com/addisong@forl com & addisong@forl com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	Denton 5 SWD	Turn Around	
Project Number	1154	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date	24 Hrs
Sampler's Name.	CRM		
PO #:			

SAMPLE RECEIPT	Temp Blank.	Yes No	Wet Ice	Yes No
Received Intact:	Yes No	Thermometer ID		
Cooler Custody Seals.	Yes No N/A	Correction Factor		
Sample Custody Seals	Yes No N/A	Temperature Reading		
Total Containers.		Corrected Temperature		

Preservative Codes

None NO DI Water H_2O

Cool Cool MeOH Me

HCL. HC HNO_3. HN

H_2S0_4 H_2 NaOH Na

H_3PO_4 HP

$NaHSO_4$ NABIS

$Na_2S_2O_3$ $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
CS-51 (4 5')	6 2 23		X		C	1		X	X	X	
CS-52 (4 5')	6 2 23		X		C	1		X	X	X	
SW-1 (1')	6 2 23		X		C	1		X	X	X	
SW-2 (3 5')	6 2 23		X		C	1		X	X	X	
SW-3 (3 5')	6 2 23		X		C	1		X	X	X	

Loc: 880

29157

Comments Email results to Mike Carmona mcarmona@carmonaresources com & Conner Moehring cmoehring@carmonaresources com

Relinquished by. (Signature)	Date/Time	Received by: (Signature)	Date/Time
Ariana Uribe	6-6-23 1500	LAB	

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Released to Imaging: 8/27/2025 2:00:32 PM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-29157-1
SDG Number: Lea County, New Mexico

Login Number: 29157
List Number: 1
Creator: Rodriguez, Leticia

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	
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	

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 09, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: DENTON 5 SWD

Enclosed are the results of analyses for samples received by the laboratory on 06/08/23 8:05.

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 accreditated 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,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 53 (4.5') (H232924-01)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2023	ND	2.48	124	2.00	21.0	
Toluene*	<0.050	0.050	06/08/2023	ND	2.46	123	2.00	20.9	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.40	120	2.00	19.4	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	7.29	122	6.00	18.1	
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *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	**528**	16.0	06/08/2023	ND	400	100	400	3.92	

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	06/08/2023	ND	191	95.4	200	1.35	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	176	88.2	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *111 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *111 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 54 (4.5') (H232924-02)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2023	ND	2.48	124	2.00	21.0	
Toluene*	<0.050	0.050	06/08/2023	ND	2.46	123	2.00	20.9	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.40	120	2.00	19.4	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	7.29	122	6.00	18.1	
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	**352**	16.0	06/08/2023	ND	400	100	400	3.92	

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	06/08/2023	ND	191	95.4	200	1.35	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	176	88.2	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *117 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *116 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 55 (4.5') (H232924-03)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2023	ND	2.48	124	2.00	21.0	
Toluene*	<0.050	0.050	06/08/2023	ND	2.46	123	2.00	20.9	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.40	120	2.00	19.4	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	7.29	122	6.00	18.1	
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	**256**	16.0	06/08/2023	ND	400	100	400	3.92	

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	06/08/2023	ND	191	95.4	200	1.35	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	176	88.2	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *115 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *113 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 56 (4.5') (H232924-04)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2023	ND	2.48	124	2.00	21.0	
Toluene*	<0.050	0.050	06/08/2023	ND	2.46	123	2.00	20.9	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.40	120	2.00	19.4	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	7.29	122	6.00	18.1	
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	**1310**	16.0	06/08/2023	ND	400	100	400	3.92	

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	06/08/2023	ND	191	95.4	200	1.35	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	176	88.2	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *108 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *109 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 57 (4.5') (H232924-05)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2023	ND	2.48	124	2.00	21.0	
Toluene*	<0.050	0.050	06/08/2023	ND	2.46	123	2.00	20.9	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.40	120	2.00	19.4	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	7.29	122	6.00	18.1	
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	**448**	16.0	06/08/2023	ND	400	100	400	3.92	

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	06/08/2023	ND	191	95.4	200	1.35	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	176	88.2	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *114 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *113 %* *49.1-148*

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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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 58 (4.5') (H232924-06)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2023	ND	2.48	124	2.00	21.0	
Toluene*	<0.050	0.050	06/08/2023	ND	2.46	123	2.00	20.9	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.40	120	2.00	19.4	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	7.29	122	6.00	18.1	
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *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	**80.0**	16.0	06/08/2023	ND	400	100	400	3.92	

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	06/08/2023	ND	191	95.4	200	1.35	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	176	88.2	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *118 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *115 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 59 (4.5') (H232924-07)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2023	ND	2.48	124	2.00	21.0	
Toluene*	<0.050	0.050	06/08/2023	ND	2.46	123	2.00	20.9	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.40	120	2.00	19.4	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	7.29	122	6.00	18.1	
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *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	**944**	16.0	06/08/2023	ND	400	100	400	3.92	

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	06/08/2023	ND	191	95.4	200	1.35	
DRO >C10-C28*	**138**	10.0	06/08/2023	ND	176	88.2	200	2.95	
EXT DRO >C28-C36	**75.3**	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *110 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *119 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 60 (4.5') (H232924-08)

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	06/08/2023	ND	2.42	121	2.00	10.9	
Toluene*	<0.050	0.050	06/08/2023	ND	2.45	122	2.00	12.2	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.35	117	2.00	11.9	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	7.22	120	6.00	11.1	
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *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	**320**	16.0	06/08/2023	ND	400	100	400	3.92	

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	06/08/2023	ND	191	95.4	200	1.35	
DRO >C10-C28*	**18.2**	10.0	06/08/2023	ND	176	88.2	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *109 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 61 (4.5') (H232924-09)

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	06/08/2023	ND	2.42	121	2.00	10.9	
Toluene*	<0.050	0.050	06/08/2023	ND	2.45	122	2.00	12.2	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.35	117	2.00	11.9	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	7.22	120	6.00	11.1	
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *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	**480**	16.0	06/08/2023	ND	400	100	400	3.92	

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	06/08/2023	ND	191	95.4	200	1.35	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	176	88.2	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *95.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *92.4 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 62 (4.5') (H232924-10)

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	06/08/2023	ND	2.42	121	2.00	10.9	
Toluene*	<0.050	0.050	06/08/2023	ND	2.45	122	2.00	12.2	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.35	117	2.00	11.9	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	7.22	120	6.00	11.1	
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *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	**1280**	16.0	06/08/2023	ND	400	100	400	3.92	

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	06/08/2023	ND	191	95.4	200	1.35	
DRO >C10-C28*	**46.7**	10.0	06/08/2023	ND	176	88.2	200	2.95	
EXT DRO >C28-C36	**56.9**	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *121 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *129 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 63 (4.5') (H232924-11)

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	06/08/2023	ND	2.42	121	2.00	10.9	
Toluene*	<0.050	0.050	06/08/2023	ND	2.45	122	2.00	12.2	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.35	117	2.00	11.9	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	7.22	120	6.00	11.1	
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *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	**208**	16.0	06/08/2023	ND	400	100	400	3.92	

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	06/08/2023	ND	191	95.4	200	1.35	
DRO >C10-C28*	**47.3**	10.0	06/08/2023	ND	176	88.2	200	2.95	
EXT DRO >C28-C36	**114**	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *121 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 64 (4.5') (H232924-12)

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	06/08/2023	ND	2.42	121	2.00	10.9	
Toluene*	<0.050	0.050	06/08/2023	ND	2.45	122	2.00	12.2	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.35	117	2.00	11.9	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	7.22	120	6.00	11.1	
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *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	**1060**	16.0	06/08/2023	ND	400	100	400	3.92	

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	06/08/2023	ND	191	95.4	200	1.35	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	176	88.2	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *100 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *97.5 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 65 (4.5') (H232924-13)

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	06/08/2023	ND	2.42	121	2.00	10.9	
Toluene*	<0.050	0.050	06/08/2023	ND	2.45	122	2.00	12.2	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.35	117	2.00	11.9	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	7.22	120	6.00	11.1	
Total BTEX	<0.300	0.300	06/08/2023	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	**656**	16.0	06/08/2023	ND	400	100	400	3.92	

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	06/08/2023	ND	191	95.4	200	1.35	
DRO >C10-C28*	**38.5**	10.0	06/08/2023	ND	176	88.2	200	2.95	
EXT DRO >C28-C36	**38.7**	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *124 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *125 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 66 (4.5') (H232924-14)

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	06/08/2023	ND	2.42	121	2.00	10.9	
Toluene*	<0.050	0.050	06/08/2023	ND	2.45	122	2.00	12.2	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.35	117	2.00	11.9	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	7.22	120	6.00	11.1	
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *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	**800**	16.0	06/08/2023	ND	400	100	400	3.92	

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	06/08/2023	ND	191	95.4	200	1.35	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	176	88.2	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *108 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *107 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 67 (4.5') (H232924-15)

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	06/08/2023	ND	2.22	111	2.00	7.64	
Toluene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	9.34	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.31	115	2.00	10.3	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	6.91	115	6.00	11.3	
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *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	**320**	16.0	06/08/2023	ND	400	100	400	3.92	

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	06/08/2023	ND	191	95.4	200	1.35	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	176	88.2	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *98.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.7 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 68 (4.5') (H232924-16)

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	06/08/2023	ND	2.22	111	2.00	7.64	
Toluene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	9.34	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.31	115	2.00	10.3	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	6.91	115	6.00	11.3	
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *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	**240**	16.0	06/08/2023	ND	400	100	400	3.92	

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	06/08/2023	ND	191	95.4	200	1.35	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	176	88.2	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *102 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *100 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 69 (4.5') (H232924-17)

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	06/08/2023	ND	2.22	111	2.00	7.64	
Toluene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	9.34	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.31	115	2.00	10.3	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	6.91	115	6.00	11.3	
Total BTEX	<0.300	0.300	06/08/2023	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	**400**	16.0	06/08/2023	ND	400	100	400	3.92	

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	06/08/2023	ND	191	95.4	200	1.35	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	176	88.2	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *104 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 70 (4.5') (H232924-18)

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	06/08/2023	ND	2.22	111	2.00	7.64	
Toluene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	9.34	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.31	115	2.00	10.3	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	6.91	115	6.00	11.3	
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *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	**1340**	16.0	06/08/2023	ND	400	100	400	3.92	

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	06/08/2023	ND	191	95.4	200	1.35	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	176	88.2	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *109 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *107 %* *49.1-148*

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Analytical Results For:

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CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 71 (4.5') (H232924-19)

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	06/08/2023	ND	2.22	111	2.00	7.64	
Toluene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	9.34	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.31	115	2.00	10.3	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	6.91	115	6.00	11.3	
Total BTEX	<0.300	0.300	06/08/2023	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	**656**	16.0	06/08/2023	ND	400	100	400	3.92	

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	06/08/2023	ND	191	95.4	200	1.35	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	176	88.2	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *106 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *103 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 72 (4.5') (H232924-20)

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	06/08/2023	ND	2.22	111	2.00	7.64	
Toluene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	9.34	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.31	115	2.00	10.3	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	6.91	115	6.00	11.3	
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *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	**960**	16.0	06/08/2023	ND	400	100	400	3.92	

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	06/08/2023	ND	191	95.4	200	1.35	
DRO >C10-C28*	**164**	10.0	06/08/2023	ND	176	88.2	200	2.95	
EXT DRO >C28-C36	**89.1**	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *84.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *80.5 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 73 (4.5') (H232924-21)

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	06/08/2023	ND	2.22	111	2.00	7.64	
Toluene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	9.34	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.31	115	2.00	10.3	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	6.91	115	6.00	11.3	
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *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	**368**	16.0	06/08/2023	ND	400	100	400	3.92	

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	06/08/2023	ND	165	82.4	200	4.82	
DRO >C10-C28*	**20.6**	10.0	06/08/2023	ND	176	88.0	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *67.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *82.1 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 74 (4.5') (H232924-22)

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	06/08/2023	ND	2.22	111	2.00	7.64	
Toluene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	9.34	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.31	115	2.00	10.3	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	6.91	115	6.00	11.3	
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *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	**320**	16.0	06/08/2023	ND	400	100	400	7.69	

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	06/08/2023	ND	165	82.4	200	4.82	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	176	88.0	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *91.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *114 %* *49.1-148*

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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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 75 (4.5') (H232924-23)

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	06/08/2023	ND	2.22	111	2.00	7.64	
Toluene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	9.34	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.31	115	2.00	10.3	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	6.91	115	6.00	11.3	
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *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	**496**	16.0	06/08/2023	ND	400	100	400	7.69	

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	06/08/2023	ND	165	82.4	200	4.82	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	176	88.0	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *95.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *119 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 76 (4.5') (H232924-24)

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	06/08/2023	ND	2.22	111	2.00	7.64	
Toluene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	9.34	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.31	115	2.00	10.3	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	6.91	115	6.00	11.3	
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *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	**192**	16.0	06/08/2023	ND	400	100	400	7.69	

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	06/08/2023	ND	165	82.4	200	4.82	
DRO >C10-C28*	**40.9**	10.0	06/08/2023	ND	176	88.0	200	1.58	
EXT DRO >C28-C36	**48.9**	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *97.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *118 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 77 (4.5') (H232924-25)

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	06/08/2023	ND	2.22	111	2.00	7.64	
Toluene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	9.34	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.31	115	2.00	10.3	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	6.91	115	6.00	11.3	
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *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	**864**	16.0	06/08/2023	ND	400	100	400	7.69	

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	06/08/2023	ND	165	82.4	200	4.82	
DRO >C10-C28*	**238**	10.0	06/08/2023	ND	176	88.0	200	1.58	
EXT DRO >C28-C36	**106**	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *91.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *127 %* *49.1-148*

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
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MIDLAND TX, 79701
Fax To:

Received:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 78 (4.5') (H232924-26)

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	06/08/2023	ND	2.22	111	2.00	7.64	
Toluene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	9.34	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.31	115	2.00	10.3	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	6.91	115	6.00	11.3	
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *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	**1440**	16.0	06/08/2023	ND	400	100	400	7.69	

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	06/08/2023	ND	165	82.4	200	4.82	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	176	88.0	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *99.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *125 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 79 (4.5') (H232924-27)

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	06/08/2023	ND	2.22	111	2.00	7.64	
Toluene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	9.34	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.31	115	2.00	10.3	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	6.91	115	6.00	11.3	
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *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	**544**	16.0	06/08/2023	ND	400	100	400	7.69	

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	06/08/2023	ND	165	82.4	200	4.82	
DRO >C10-C28*	**87.4**	10.0	06/08/2023	ND	176	88.0	200	1.58	
EXT DRO >C28-C36	**39.6**	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *95.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *126 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 80 (4.5') (H232924-28)

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	06/08/2023	ND	2.22	111	2.00	7.64	
Toluene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	9.34	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.31	115	2.00	10.3	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	6.91	115	6.00	11.3	
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *111 %* *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	**1460**	16.0	06/08/2023	ND	400	100	400	7.69	

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	06/08/2023	ND	165	82.4	200	4.82	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	176	88.0	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *93.8 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 81 (4.5') (H232924-29)

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	06/08/2023	ND	2.22	111	2.00	7.64	
Toluene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	9.34	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.31	115	2.00	10.3	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	6.91	115	6.00	11.3	
Total BTEX	<0.300	0.300	06/08/2023	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	**1380**	16.0	06/08/2023	ND	400	100	400	7.69	

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	06/08/2023	ND	165	82.4	200	4.82	
DRO >C10-C28*	**115**	10.0	06/08/2023	ND	176	88.0	200	1.58	
EXT DRO >C28-C36	**57.4**	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *93.1 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 82 (4.5') (H232924-30)

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	06/08/2023	ND	2.22	111	2.00	7.64	
Toluene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	9.34	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.31	115	2.00	10.3	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	6.91	115	6.00	11.3	
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *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	**544**	16.0	06/08/2023	ND	400	100	400	7.69	

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	06/08/2023	ND	165	82.4	200	4.82	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	176	88.0	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *92.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *114 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 83 (4.5') (H232924-31)

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	06/08/2023	ND	2.22	111	2.00	7.64	
Toluene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	9.34	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.31	115	2.00	10.3	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	6.91	115	6.00	11.3	
Total BTEX	<0.300	0.300	06/08/2023	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	**1090**	16.0	06/08/2023	ND	400	100	400	7.69	

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	06/08/2023	ND	165	82.4	200	4.82	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	176	88.0	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *94.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *118 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 84 (4.5') (H232924-32)

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	06/08/2023	ND	2.22	111	2.00	7.64	
Toluene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	9.34	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.31	115	2.00	10.3	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	6.91	115	6.00	11.3	
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *110 %* *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	**1570**	16.0	06/08/2023	ND	400	100	400	7.69	

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	06/08/2023	ND	165	82.4	200	4.82	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	176	88.0	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *95.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *118 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 85 (4.5') (H232924-33)

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	06/08/2023	ND	2.22	111	2.00	7.64	
Toluene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	9.34	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.31	115	2.00	10.3	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	6.91	115	6.00	11.3	
Total BTEX	<0.300	0.300	06/08/2023	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	**656**	16.0	06/08/2023	ND	400	100	400	7.69	

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	06/08/2023	ND	165	82.4	200	4.82	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	176	88.0	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *89.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *111 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 86 (4.5') (H232924-34)

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	06/08/2023	ND	2.22	111	2.00	7.64	
Toluene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	9.34	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.31	115	2.00	10.3	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	6.91	115	6.00	11.3	
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *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	**1070**	16.0	06/08/2023	ND	400	100	400	7.69	

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	06/08/2023	ND	165	82.4	200	4.82	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	176	88.0	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *92.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *116 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 87 (4.5') (H232924-35)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	2.29	QR-03
Toluene*	<0.050	0.050	06/08/2023	ND	2.29	114	2.00	2.50	QR-03
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.37	118	2.00	2.70	QR-03
Total Xylenes*	<0.150	0.150	06/08/2023	ND	7.00	117	6.00	2.62	QR-03
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	**352**	16.0	06/08/2023	ND	400	100	400	7.69	

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	06/08/2023	ND	165	82.4	200	4.82	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	176	88.0	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *92.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *116 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 88 (4.5') (H232924-36)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	2.29	
Toluene*	<0.050	0.050	06/08/2023	ND	2.29	114	2.00	2.50	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.37	118	2.00	2.70	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	7.00	117	6.00	2.62	
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *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	**1420**	16.0	06/08/2023	ND	400	100	400	7.69	

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	06/08/2023	ND	165	82.4	200	4.82	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	176	88.0	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *101 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *123 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 89 (4.5') (H232924-37)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	2.29	
Toluene*	<0.050	0.050	06/08/2023	ND	2.29	114	2.00	2.50	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.37	118	2.00	2.70	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	7.00	117	6.00	2.62	
Total BTEX	<0.300	0.300	06/08/2023	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	**1140**	16.0	06/08/2023	ND	400	100	400	7.69	

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	06/08/2023	ND	165	82.4	200	4.82	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	176	88.0	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *100 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *125 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 90 (4.5') (H232924-38)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	2.29	
Toluene*	<0.050	0.050	06/08/2023	ND	2.29	114	2.00	2.50	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.37	118	2.00	2.70	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	7.00	117	6.00	2.62	
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	06/08/2023	ND	400	100	400	7.69	

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	06/08/2023	ND	165	82.4	200	4.82	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	176	88.0	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *98.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *124 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 91 (4.5') (H232924-39)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	2.29	
Toluene*	<0.050	0.050	06/08/2023	ND	2.29	114	2.00	2.50	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.37	118	2.00	2.70	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	7.00	117	6.00	2.62	
Total BTEX	<0.300	0.300	06/08/2023	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	**160**	16.0	06/08/2023	ND	400	100	400	7.69	

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	06/08/2023	ND	165	82.4	200	4.82	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	176	88.0	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *96.6 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 92 (4.5') (H232924-40)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	2.29	
Toluene*	<0.050	0.050	06/08/2023	ND	2.29	114	2.00	2.50	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.37	118	2.00	2.70	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	7.00	117	6.00	2.62	
Total BTEX	<0.300	0.300	06/08/2023	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	**864**	16.0	06/08/2023	ND	400	100	400	7.69	

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	06/08/2023	ND	165	82.4	200	4.82	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	176	88.0	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *91.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *111 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 93 (4.5') (H232924-41)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	2.29	
Toluene*	<0.050	0.050	06/08/2023	ND	2.29	114	2.00	2.50	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.37	118	2.00	2.70	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	7.00	117	6.00	2.62	
Total BTEX	<0.300	0.300	06/08/2023	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	**1010**	16.0	06/08/2023	ND	400	100	400	7.69	

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	06/08/2023	ND	204	102	200	5.95	
DRO >C10-C28*	**19.1**	10.0	06/08/2023	ND	162	80.9	200	8.07	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *108 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *116 %* *49.1-148*

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310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 94 (4.5') (H232924-42)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	2.29	
Toluene*	<0.050	0.050	06/08/2023	ND	2.29	114	2.00	2.50	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.37	118	2.00	2.70	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	7.00	117	6.00	2.62	
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *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	**304**	16.0	06/08/2023	ND	432	108	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	06/08/2023	ND	204	102	200	5.95	
DRO >C10-C28*	**11.4**	10.0	06/08/2023	ND	162	80.9	200	8.07	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *101 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *109 %* *49.1-148*

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310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: SW - 4 (1') (H232924-43)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	2.29	
Toluene*	<0.050	0.050	06/08/2023	ND	2.29	114	2.00	2.50	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.37	118	2.00	2.70	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	7.00	117	6.00	2.62	
Total BTEX	<0.300	0.300	06/08/2023	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	**320**	16.0	06/08/2023	ND	432	108	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	06/08/2023	ND	204	102	200	5.95	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	162	80.9	200	8.07	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *90.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *97.5 %* *49.1-148*

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CONNER MOEHRING
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MIDLAND TX, 79701
Fax To:

Received:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: SW - 5 (1') (H232924-44)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	2.29	
Toluene*	<0.050	0.050	06/08/2023	ND	2.29	114	2.00	2.50	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.37	118	2.00	2.70	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	7.00	117	6.00	2.62	
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *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	**256**	16.0	06/08/2023	ND	432	108	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	06/08/2023	ND	204	102	200	5.95	
DRO >C10-C28*	**63.1**	10.0	06/08/2023	ND	162	80.9	200	8.07	
EXT DRO >C28-C36	**35.4**	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *98.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *108 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: SW - 6 (3.5') (H232924-45)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	2.29	
Toluene*	<0.050	0.050	06/08/2023	ND	2.29	114	2.00	2.50	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.37	118	2.00	2.70	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	7.00	117	6.00	2.62	
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.3 %* *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	06/08/2023	ND	432	108	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	06/08/2023	ND	204	102	200	5.95	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	162	80.9	200	8.07	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *98.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *103 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: SW - 7 (4.5') (H232924-46)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	2.29	
Toluene*	<0.050	0.050	06/08/2023	ND	2.29	114	2.00	2.50	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.37	118	2.00	2.70	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	7.00	117	6.00	2.62	
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *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	**432**	16.0	06/08/2023	ND	432	108	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	06/08/2023	ND	204	102	200	5.95	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	162	80.9	200	8.07	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *94.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: SW - 8 (4.5') (H232924-47)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	2.29	
Toluene*	<0.050	0.050	06/08/2023	ND	2.29	114	2.00	2.50	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.37	118	2.00	2.70	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	7.00	117	6.00	2.62	
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.1 %* *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	**176**	16.0	06/08/2023	ND	432	108	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	06/08/2023	ND	204	102	200	5.95	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	162	80.9	200	8.07	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *84.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *89.6 %* *49.1-148*

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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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: SW - 9 (4.5') (H232924-48)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	2.29	
Toluene*	<0.050	0.050	06/08/2023	ND	2.29	114	2.00	2.50	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.37	118	2.00	2.70	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	7.00	117	6.00	2.62	
Total BTEX	<0.300	0.300	06/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.9 %* *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	**416**	16.0	06/08/2023	ND	432	108	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	06/08/2023	ND	204	102	200	5.95	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	162	80.9	200	8.07	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *98.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *107 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: SW - 10 (4.5') (H232924-49)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	2.29	
Toluene*	<0.050	0.050	06/08/2023	ND	2.29	114	2.00	2.50	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.37	118	2.00	2.70	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	7.00	117	6.00	2.62	
Total BTEX	<0.300	0.300	06/08/2023	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	**320**	16.0	06/08/2023	ND	432	108	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	06/08/2023	ND	204	102	200	5.95	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	162	80.9	200	8.07	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *105 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *114 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: SW - 11 (4.5') (H232924-50)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	2.29	
Toluene*	<0.050	0.050	06/08/2023	ND	2.29	114	2.00	2.50	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.37	118	2.00	2.70	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	7.00	117	6.00	2.62	
Total BTEX	<0.300	0.300	06/08/2023	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	**208**	16.0	06/08/2023	ND	432	108	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	06/08/2023	ND	204	102	200	5.95	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	162	80.9	200	8.07	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *103 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *111 %* *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:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: SW - 12 (4.5') (H232924-51)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	2.29	
Toluene*	<0.050	0.050	06/08/2023	ND	2.29	114	2.00	2.50	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.37	118	2.00	2.70	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	7.00	117	6.00	2.62	
Total BTEX	<0.300	0.300	06/08/2023	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	**544**	16.0	06/08/2023	ND	432	108	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	06/08/2023	ND	204	102	200	5.95	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	162	80.9	200	8.07	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *102 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *111 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	06/08/2023	Sampling Date:	06/07/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: SW - 13 (4.5') (H232924-52)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/08/2023	ND	2.19	110	2.00	2.29	
Toluene*	<0.050	0.050	06/08/2023	ND	2.29	114	2.00	2.50	
Ethylbenzene*	<0.050	0.050	06/08/2023	ND	2.37	118	2.00	2.70	
Total Xylenes*	<0.150	0.150	06/08/2023	ND	7.00	117	6.00	2.62	
Total BTEX	<0.300	0.300	06/08/2023	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	**208**	16.0	06/08/2023	ND	432	108	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	06/08/2023	ND	204	102	200	5.95	
DRO >C10-C28*	<10.0	10.0	06/08/2023	ND	162	80.9	200	8.07	
EXT DRO >C28-C36	<10.0	10.0	06/08/2023	ND					

Surrogate: 1-Chlorooctane *107 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *116 %* *49.1-148*

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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
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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Chain of Custody

Work Order No: H232924

Page 1 of 6

Project Manager:	Conner Moehring	Bill to: (if different)	Grant Huckabay/Addison Guelker
Company Name:	Carmona Resources	Company Name:	Fasken Oil and Ranch
Address:	310 W Wall St Ste 500	Address:	6101 Holiday Hill Road
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Texas 79707
Phone:	432-813-6823	Email:	Granth@forl.com/addisong@forl.com & addisong@forl.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Denton 5 SWD	Turn Around	
Project Number:	1154	☐ Routine ☑ Rush	
Project Location	Lea County, New Mexico	Due Date:	24 Hrs
Sampler's Name:	CRM		
PO #:			

SAMPLE RECEIPT

Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	T3
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.6°c
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	5.3°c
Total Containers:		Corrected Temperature:	4.7°c

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	Sample Comments
CS-53 (4.5')	6/7/2023		X		C	1		X	X	X	
CS-54 (4.5')	6/7/2023		X		C	1		X	X	X	
CS-55 (4.5')	6/7/2023		X		C	1		X	X	X	
CS-56 (4.5')	6/7/2023		X		C	1		X	X	X	
CS-57 (4.5')	6/7/2023		X		C	1		X	X	X	
CS-58 (4.5')	6/7/2023		X		C	1		X	X	X	
CS-59 (4.5')	6/7/2023		X		C	1		X	X	X	
CS-60 (4.5')	6/7/2023		X		C	1		X	X	X	
CS-61 (4.5')	6/7/2023		X		C	1		X	X	X	
CS-62 (4.5')	6/7/2023		X		C	1		X	X	X	

Comments: Email results to Mike Carmona mcarmona@carmonaresources.com & Conner Moehring cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	6-8-23 0845		

Received by OCD: 7/23/2025 5:18:16 PM

Released to Imaging: 8/27/2025 2:00:32 PM

Chain of Custody

Work Order No: H232924

Page 2 of 6

Project Manager:	Conner Moehring	Bill to: (if different)	Grant Huckabay/Addison Guelker
Company Name:	Carmona Resources	Company Name:	Fasken Oil and Ranch
Address:	310 W Wall St Ste 500	Address:	6101 Holiday Hill Road
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Texas 79707
Phone:	432-813-6823	Email:	Granth@forl.com/addisong@forl.com & addisong@forl.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Denton 5 SWD	Turn Around	
Project Number:	1154	☐ Routine ☑ Rush	
Project Location	Lea County, New Mexico	Due Date:	24 Hrs
Sampler's Name:	CRM		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	113
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.6°c
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	5.3°c
Total Containers:		Corrected Temperature:	4.7°c

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500
11 CS-63 (4.5')	6/7/2023		X		C	1		X	X	X
12 CS-64 (4.5')	6/7/2023		X		C	1		X	X	X
13 CS-65 (4.5')	6/7/2023		X		C	1		X	X	X
14 CS-66 (4.5')	6/7/2023		X		C	1		X	X	X
15 CS-67 (4.5')	6/7/2023		X		C	1		X	X	X
16 CS-68 (4.5')	6/7/2023		X		C	1		X	X	X
17 CS-69 (4.5')	6/7/2023		X		C	1		X	X	X
18 CS-70 (4.5')	6/7/2023		X		C	1		X	X	X
19 CS-71 (4.5')	6/7/2023		X		C	1		X	X	X
20 CS-72 (4.5')	6/7/2023		X		C	1		X	X	X

ANALYSIS REQUEST — Parameters

Preservative Codes

None: NO — DI Water: H_2O

Cool: Cool — MeOH: Me

HCL: HC — HNO_3: HN

H_2S0_4: H_2 — NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Comments

Comments: Email results to Mike Carmona mcarmona@carmonaresources.com & Conner Moehring cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	6-8-23 0805		

Received by OCD: 7/23/2025 5:18:16 PM

Released to Imaging: 8/27/2025 2:00:32 PM

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Chain of Custody

Work Order No: H232934

Page 3 of 6

Project Manager:	Conner Moehring	Bill to: (if different)	Grant Huckabay/Addison Guelker
Company Name:	Carmona Resources	Company Name:	Fasken Oil and Ranch
Address:	310 W Wall St Ste 500	Address:	6101 Holiday Hill Road
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Texas 79707
Phone:	432-813-6823	Email:	Granth@forl.com/addisong@forl.com & addisong@forl.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Denton 5 SWD	Turn Around	
Project Number:	1154	☐ Routine ☑ Rush	
Project Location	Lea County, New Mexico	Due Date:	24 Hrs
Sampler's Name:	CRM		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Received Intact:	(Yes) No	Thermometer ID:	113	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.6°C	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	5.3°C	
Total Containers:		Corrected Temperature:	4.7°C	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500
21 CS-73 (4.5')	6/7/2023		X		C	1		X	X	X
22 CS-74 (4.5')	6/7/2023		X		C	1		X	X	X
23 CS-75 (4.5')	6/7/2023		X		C	1		X	X	X
24 CS-76 (4.5')	6/7/2023		X		C	1		X	X	X
25 CS-77 (4.5')	6/7/2023		X		C	1		X	X	X
26 CS-78 (4.5')	6/7/2023		X		C	1		X	X	X
27 CS-79 (4.5')	6/7/2023		X		C	1		X	X	X
28 CS-80 (4.5')	6/7/2023		X		C	1		X	X	X
29 CS-81 (4.5')	6/7/2023		X		C	1		X	X	X
30 CS-82 (4.5')	6/7/2023		X		C	1		X	X	X

ANALYSIS REQUEST

Preservative Codes

None: NO — DI Water: H_2O

Cool: Cool — MeOH: Me

HCL: HC — HNO_3: HN

H_2S0_4: H_2 — NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Comments

Comments: Email results to Mike Carmona mcarmona@carmonaresources.com & Conner Moehring cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	6-8-23 0805		

Received by OCD: 7/23/2025 5:18:16 PM

Released to Imaging: 8/27/2025 2:00:32 PM

Chain of Custody

Work Order No: H232924

Page 4 of 6

Project Manager:	Conner Moehring	Bill to: (if different)	Grant Huckabay/Addison Guelker
Company Name:	Carmona Resources	Company Name:	Fasken Oil and Ranch
Address:	310 W Wall St Ste 500	Address:	6101 Holiday Hill Road
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Texas 79707
Phone:	432-813-6823	Email:	Granth@forl.com/addisong@forl.com & addisong@forl.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Denton 5 SWD	Turn Around	
Project Number:	1154	☐ Routine ☑ Rush	
Project Location	Lea County, New Mexico	Due Date:	24 Hrs
Sampler's Name:	CRM		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Received Intact:	(Yes) No	Thermometer ID:	113	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.6°C	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	5.3°C	
Total Containers:		Corrected Temperature:	4.7°C	

	Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500
31	CS-83 (4.5')	6/7/2023		X		C	1	X	X	X
32	CS-84 (4.5')	6/7/2023		X		C	1	X	X	X
33	CS-85 (4.5')	6/7/2023		X		C	1	X	X	X
34	CS-86 (4.5')	6/7/2023		X		C	1	X	X	X
35	CS-87 (4.5')	6/7/2023		X		C	1	X	X	X
36	CS-88 (4.5')	6/7/2023		X		C	1	X	X	X
37	CS-89 (4.5')	6/7/2023		X		C	1	X	X	X
38	CS-90 (4.5')	6/7/2023		X		C	1	X	X	X
39	CS-91 (4.5')	6/7/2023		X		C	1	X	X	X
40	CS-92 (4.5')	6/7/2023		X		C	1	X	X	X

Preservative Codes

None: NO — DI Water: H_2O

Cool: Cool — MeOH: Me

HCL: HC — HNO_3: HN

H_2S0_4: H_2 — NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Comments

Comments: Email results to Mike Carmona mcarmona@carmonaresources.com & Conner Moehring cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	6-8-23 0805		

Received by OCD: 7/23/2025 5:18:16 PM

Released to Imaging: 8/27/2025 2:00:32 PM

Chain of Custody

Work Order No: H232924

Page 5 of 6

Project Manager:	Conner Moehring	Bill to: (if different)	Grant Huckabay/Addison Guelker
Company Name:	Carmona Resources	Company Name:	Fasken Oil and Ranch
Address:	310 W Wall St Ste 500	Address:	6101 Holiday Hill Road
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Texas 79707
Phone:	432-813-6823	Email:	Granth@forl.com/addisong@forl.com & addisong@forl.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Denton 5 SWD	Turn Around	
Project Number:	1154	☐ Routine ☑ Rush	
Project Location	Lea County, New Mexico	Due Date:	24 Hrs
Sampler's Name:	CRM		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	113
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.6c
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	5.3c
Total Containers:		Corrected Temperature:	4.7c

	Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500
41	CS-93 (4.5')	6/7/2023		X		C	1	X	X	X
42	CS-94 (4.5')	6/7/2023		X		C	1	X	X	X
43	SW-4 (1')	6/7/2023		X		C	1	X	X	X
44	SW-5 (1')	6/7/2023		X		C	1	X	X	X
45	SW-6 (3.5')	6/7/2023		X		C	1	X	X	X
46	SW-7 (4.5')	6/7/2023		X		C	1	X	X	X
47	SW-8 (4.5')	6/7/2023		X		C	1	X	X	X
48	SW-9 (4.5')	6/7/2023		X		C	1	X	X	X
49	SW-10 (4.5')	6/7/2023		X		C	1	X	X	X
50	SW-11 (4.5')	6/7/2023		X		C	1	X	X	X

Preservative Codes

None: NO — DI Water: H_2O

Cool: Cool — MeOH: Me

HCL: HC — HNO_3: HN

H_2S0_4: H_2 — NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Comments

Comments: Email results to Mike Carmona mcarmona@carmonaresources.com & Conner Moehring cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	6-8-23 0805		

Received by OCD: 7/23/2025 5:18:16 PM

Released to Imaging: 8/27/2025 2:00:32 PM

Page 418 of 470

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Chain of Custody

Work Order No: H232924

Page 6 of 6

Project Manager:	Conner Moehring	Bill to: (if different)	Grant Huckabay/Addison Guelker
Company Name:	Carmona Resources	Company Name:	Fasken Oil and Ranch
Address:	310 W Wall St Ste 500	Address:	6101 Holiday Hill Road
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Texas 79707
Phone:	432-813-6823	Email:	Granth@forl.com/addisong@forl.com & addisong@forl.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Denton 5 SWD	Turn Around	☐ Routine ☑ Rush
Project Number:	1154	Due Date:	24 Hrs
Project Location	Lea County, New Mexico		
Sampler's Name:	CRM		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	113
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.6°C
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	5.3°C
Total Containers:		Corrected Temperature:	4.7°C

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500
SW-12 (4.5')	6/7/2023		X		C	1	X	X	X
SW-13 (4.5')	6/7/2023		X		C	1	X	X	X

Preservative Codes

None: NO — DI Water: H_2O

Cool: Cool — MeOH: Me

HCL: HC — HNO_3: HN

H_2S0_4: H_2 — NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Comments

Comments: Email results to Mike Carmona mcarmona@carmonaresources.com & Conner Moehring cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	6-8-23 0805		

Received by OCD: 7/23/2025 5:18:16 PM

Released to Imaging: 8/27/2025 2:00:32 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 09, 2023

MIKE CARMONA

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: DENTON 5 SWD

Enclosed are the results of analyses for samples received by the laboratory on 06/08/23 15:18.

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 accreditated 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,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
MIKE CARMONA
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	06/08/2023	Sampling Date:	06/08/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 2 (1.25') (H232948-01)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.26	113	2.00	0.0813	
Toluene*	<0.050	0.050	06/09/2023	ND	2.24	112	2.00	0.259	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.19	110	2.00	0.321	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.62	110	6.00	0.0902	
Total BTEX	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *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	**96.0**	16.0	06/09/2023	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	06/09/2023	ND	204	102	200	2.41	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	205	102	200	5.12	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane *62.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *63.0 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
MIKE CARMONA
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	06/08/2023	Sampling Date:	06/08/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 3 (1.25') (H232948-02)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.26	113	2.00	0.0813	
Toluene*	<0.050	0.050	06/09/2023	ND	2.24	112	2.00	0.259	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.19	110	2.00	0.321	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.62	110	6.00	0.0902	
Total BTEX	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	**112**	16.0	06/09/2023	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	06/09/2023	ND	204	102	200	2.41	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	205	102	200	5.12	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane *73.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *72.8 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
MIKE CARMONA
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	06/08/2023	Sampling Date:	06/08/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 9 (1.25') (H232948-03)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.26	113	2.00	0.0813	
Toluene*	<0.050	0.050	06/09/2023	ND	2.24	112	2.00	0.259	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.19	110	2.00	0.321	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.62	110	6.00	0.0902	
Total BTEX	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *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	**528**	16.0	06/09/2023	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	06/09/2023	ND	204	102	200	2.41	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	205	102	200	5.12	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane *78.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *82.9 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
MIKE CARMONA
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	06/08/2023	Sampling Date:	06/08/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 10 (1.25') (H232948-04)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.26	113	2.00	0.0813	
Toluene*	<0.050	0.050	06/09/2023	ND	2.24	112	2.00	0.259	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.19	110	2.00	0.321	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.62	110	6.00	0.0902	
Total BTEX	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *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	**64.0**	16.0	06/09/2023	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	06/09/2023	ND	204	102	200	2.41	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	205	102	200	5.12	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane *77.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *82.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
MIKE CARMONA
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	06/08/2023	Sampling Date:	06/08/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 12 (1.25') (H232948-05)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.26	113	2.00	0.0813	
Toluene*	<0.050	0.050	06/09/2023	ND	2.24	112	2.00	0.259	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.19	110	2.00	0.321	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.62	110	6.00	0.0902	
Total BTEX	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *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	**80.0**	16.0	06/09/2023	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	06/09/2023	ND	204	102	200	2.41	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	205	102	200	5.12	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane *78.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *79.7 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
MIKE CARMONA
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	06/08/2023	Sampling Date:	06/08/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 16 (1.25') (H232948-06)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.26	113	2.00	0.0813	
Toluene*	<0.050	0.050	06/09/2023	ND	2.24	112	2.00	0.259	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.19	110	2.00	0.321	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.62	110	6.00	0.0902	
Total BTEX	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *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	**352**	16.0	06/09/2023	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	06/09/2023	ND	204	102	200	2.41	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	205	102	200	5.12	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane *68.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *68.7 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
MIKE CARMONA
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	06/08/2023	Sampling Date:	06/08/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 17 (1.25') (H232948-07)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.26	113	2.00	0.0813	
Toluene*	<0.050	0.050	06/09/2023	ND	2.24	112	2.00	0.259	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.19	110	2.00	0.321	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.62	110	6.00	0.0902	
Total BTEX	<0.300	0.300	06/09/2023	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	**432**	16.0	06/09/2023	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	06/09/2023	ND	204	102	200	2.41	
DRO >C10-C28*	**82.7**	10.0	06/09/2023	ND	205	102	200	5.12	
EXT DRO >C28-C36	**63.5**	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane *63.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *68.5 %* *49.1-148*

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Analytical Results For:

CARMONA RESOURCES
MIKE CARMONA
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	06/08/2023	Sampling Date:	06/08/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 18 (1.25') (H232948-08)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.26	113	2.00	0.0813	
Toluene*	<0.050	0.050	06/09/2023	ND	2.24	112	2.00	0.259	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.19	110	2.00	0.321	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.62	110	6.00	0.0902	
Total BTEX	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	**464**	16.0	06/09/2023	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	06/09/2023	ND	204	102	200	2.41	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	205	102	200	5.12	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane *73.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *74.7 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CARMONA RESOURCES
MIKE CARMONA
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	06/08/2023	Sampling Date:	06/08/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: CS - 19 (1.25') (H232948-09)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.26	113	2.00	0.0813	
Toluene*	<0.050	0.050	06/09/2023	ND	2.24	112	2.00	0.259	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.19	110	2.00	0.321	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.62	110	6.00	0.0902	
Total BTEX	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	**448**	16.0	06/09/2023	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	06/09/2023	ND	204	102	200	2.41	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	205	102	200	5.12	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane *92.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *93.7 %* *49.1-148*

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Analytical Results For:

CARMONA RESOURCES
MIKE CARMONA
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	06/08/2023	Sampling Date:	06/08/2023
Reported:	06/09/2023	Sampling Type:	Soil
Project Name:	DENTON 5 SWD	Sampling Condition:	Cool & Intact
Project Number:	1154	Sample Received By:	Tamara Oldaker
Project Location:	FASKEN OIL AND RANCH - LEA CO, NM		

Sample ID: SW - 1 (1.0') (H232948-10)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.26	113	2.00	0.0813	
Toluene*	<0.050	0.050	06/09/2023	ND	2.24	112	2.00	0.259	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.19	110	2.00	0.321	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	6.62	110	6.00	0.0902	
Total BTEX	<0.300	0.300	06/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *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	**96.0**	16.0	06/09/2023	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	06/09/2023	ND	204	102	200	2.41	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	205	102	200	5.12	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					

Surrogate: 1-Chlorooctane *87.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *88.4 %* *49.1-148*

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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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Page 431 of 470

Chain of Custody

Work Order No: H232948

Page 1 of 1

Project Manager:	Mike Carmona	Bill to: (if different)	Grant Huckabey / Addison Guelker
Company Name:	Carmona Resources	Company Name:	Foken Oil and Ranch
Address:	310 W Wall St Ste 500	Address:	6101 Holiday Hill Road
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Texas 79707
Phone:	(432) 813-1992	Email:	hranch@fokl.com/addisong@fokl.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Denton 5 SWD	Turn Around	☐ Routine ☑ Rush
Project Number:	1154	Due Date:	24 hrs
Project Location	Lea County, New Mexico		
Sampler's Name:	MRM		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	Yes (No)
Received Intact:	(Yes) No	Thermometer ID:	113
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.6°C
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	2.8°C
Total Containers:		Corrected Temperature:	2.2°C

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	Sample Comments
1 (S-2 (1.25'))	6/8/23		X		C	1		X	X	X	
2 (S-3 (1.25'))	6/8/23		X		C	1		X	X	X	
3 (S-9 (1.25'))	6/8/23		X		C	1		X	X	X	
4 (S-10 (1.25'))	6/8/23		X		C	1		X	X	X	
5 (S-12 (1.25'))	6/8/23		X		C	1		X	X	X	
6 (S-16 (1.25'))	6/8/23		X		C	1		X	X	X	
7 (S-17 (1.25'))	6/8/23		X		C	1		X	X	X	
8 (S-18 (1.25'))	6/8/23		X		C	1		X	X	X	
9 (S-19 (1.25'))	6/8/23		X		C	1		X	X	X	
10 (SW-1 (1.0'))	6/8/23		X		C	1		X	X	X	

Comments:
Email results to mcarmona@carmonaresources.com & cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Mariant Mata	6-8-23 1578	Tamara Wilda	

Received by OCD: 7/23/2025 5:18:16 PM

Released to Imaging: 8/27/2025 2:00:32 PM

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mike Carmona
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 6/19/2023 3:29:23 PM Revision 1

JOB DESCRIPTION

Denton 5 SWD
SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-29362-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Released to Imaging: 8/27/2025 2:00:52 PM

my EOL

Eurofins Midland

Job Notes

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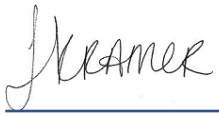
Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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Revision 1

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Carmona Resources
Project/Site: Denton 5 SWD

Laboratory Job ID: 880-29362-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29362-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
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.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29362-1
SDG: Lea County, New Mexico

Job ID: 880-29362-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-29362-1

REVISION

The report being provided is a revision of the original report sent on 6/13/2023. The report (revision 1) is being revised due to Per client email, requesting sample ID correction.

Receipt
The samples were received on 6/12/2023 9:34 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -0.1°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: CS-16 (1.5') (880-29362-1) and CS-17 (1.5') (880-29362-2).

GC VOA
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: Surrogate recovery for the following sample was outside control limits: (MB 880-55253/1-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-55257 and analytical batch 880-55361 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29362-1
SDG: Lea County, New Mexico

Client Sample ID: CS-16 (1.5')

Date Collected: 06/09/23 00:00
Date Received: 06/12/23 09:34

Lab Sample ID: 880-29362-1
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/12/23 12:50	06/13/23 04:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/12/23 12:50	06/13/23 04:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/12/23 12:50	06/13/23 04:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/12/23 12:50	06/13/23 04:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/12/23 12:50	06/13/23 04:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/12/23 12:50	06/13/23 04:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*06/12/23 12:50*	*06/13/23 04:29*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*06/12/23 12:50*	*06/13/23 04:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/13/23 11:33	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/13/23 17:15	1

Method: SW846 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		06/12/23 10:46	06/13/23 13:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/12/23 10:46	06/13/23 13:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/12/23 10:46	06/13/23 13:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*06/12/23 10:46*	*06/13/23 13:51*	*1*
o-Terphenyl	*111*		*70 - 130*	*06/12/23 10:46*	*06/13/23 13:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.9**	**F1**	4.96		mg/Kg			06/13/23 03:38	1

Client Sample ID: CS-17 (1.5')

Date Collected: 06/09/23 00:00
Date Received: 06/12/23 09:34

Lab Sample ID: 880-29362-2
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/12/23 12:50	06/13/23 04:50	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/12/23 12:50	06/13/23 04:50	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/12/23 12:50	06/13/23 04:50	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/12/23 12:50	06/13/23 04:50	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/12/23 12:50	06/13/23 04:50	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/12/23 12:50	06/13/23 04:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*06/12/23 12:50*	*06/13/23 04:50*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*06/12/23 12:50*	*06/13/23 04:50*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29362-1
SDG: Lea County, New Mexico

Client Sample ID: CS-17 (1.5')

Date Collected: 06/09/23 00:00
Date Received: 06/12/23 09:34

Lab Sample ID: 880-29362-2

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/13/23 11:33	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/13/23 17:15	1

Method: SW846 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		06/12/23 10:46	06/13/23 14:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/12/23 10:46	06/13/23 14:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/12/23 10:46	06/13/23 14:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*06/12/23 10:46*	*06/13/23 14:32*	*1*
o-Terphenyl	*110*		*70 - 130*	*06/12/23 10:46*	*06/13/23 14:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**31.8**		4.99		mg/Kg			06/13/23 03:55	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29362-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-29238-A-1-D MS	Matrix Spike	98	97
880-29238-A-1-E MSD	Matrix Spike Duplicate	94	98
880-29362-1	CS-16 (1.5')	90	103
880-29362-2	CS-17 (1.5')	95	111
LCS 880-55036/1-A	Lab Control Sample	93	103
LCSD 880-55036/2-A	Lab Control Sample Dup	101	96
MB 880-55036/5-A	Method Blank	88	124
MB 880-55246/5-A	Method Blank	82	115

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-29362-1	CS-16 (1.5')	94	111
880-29362-2	CS-17 (1.5')	97	110
890-4807-A-1-D MS	Matrix Spike	108	119
890-4807-A-1-E MSD	Matrix Spike Duplicate	108	118
LCS 880-55253/2-A	Lab Control Sample	100	119
LCSD 880-55253/3-A	Lab Control Sample Dup	97	113
MB 880-55253/1-A	Method Blank	114	146 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29362-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-55036/5-A
Matrix: Solid
Analysis Batch: 55244

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 55036

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/08/23 12:50	06/13/23 01:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/08/23 12:50	06/13/23 01:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/08/23 12:50	06/13/23 01:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/08/23 12:50	06/13/23 01:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/08/23 12:50	06/13/23 01:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/08/23 12:50	06/13/23 01:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*06/08/23 12:50*	*06/13/23 01:58*	*1*
1,4-Difluorobenzene (Surr)	*124*		*70 - 130*	*06/08/23 12:50*	*06/13/23 01:58*	*1*

Lab Sample ID: LCS 880-55036/1-A
Matrix: Solid
Analysis Batch: 55244

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 55036

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1174		mg/Kg		117	70 - 130		
Toluene			0.100	0.1153		mg/Kg		115	70 - 130		
Ethylbenzene			0.100	0.08959		mg/Kg		90	70 - 130		
m-Xylene & p-Xylene			0.200	0.1843		mg/Kg		92	70 - 130		
o-Xylene			0.100	0.09010		mg/Kg		90	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 880-55036/2-A
Matrix: Solid
Analysis Batch: 55244

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 55036

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1182		mg/Kg		118	70 - 130	1	35
Toluene			0.100	0.1222		mg/Kg		122	70 - 130	6	35
Ethylbenzene			0.100	0.1011		mg/Kg		101	70 - 130	12	35
m-Xylene & p-Xylene			0.200	0.2058		mg/Kg		103	70 - 130	11	35
o-Xylene			0.100	0.1020		mg/Kg		102	70 - 130	12	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 880-29238-A-1-D MS
Matrix: Solid
Analysis Batch: 55244

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 55036

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U	0.101	0.1201		mg/Kg		119	70 - 130		
Toluene	<0.00201	U	0.101	0.1242		mg/Kg		123	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29362-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-29238-A-1-D MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 55244 — **Prep Batch: 55036**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.101	0.09435		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.202	0.1925		mg/Kg		95	70 - 130
o-Xylene	<0.00201	U	0.101	0.09510		mg/Kg		94	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 880-29238-A-1-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 55244 — **Prep Batch: 55036**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0996	0.1158		mg/Kg		116	70 - 130	4	35
Toluene	<0.00201	U	0.0996	0.1135		mg/Kg		114	70 - 130	9	35
Ethylbenzene	<0.00201	U	0.0996	0.08527		mg/Kg		86	70 - 130	10	35
m-Xylene & p-Xylene	<0.00402	U	0.199	0.1784		mg/Kg		90	70 - 130	8	35
o-Xylene	<0.00201	U	0.0996	0.08836		mg/Kg		89	70 - 130	7	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: MB 880-55246/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 55244 — **Prep Batch: 55246**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/12/23 08:57	06/12/23 14:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/12/23 08:57	06/12/23 14:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/12/23 08:57	06/12/23 14:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/12/23 08:57	06/12/23 14:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/12/23 08:57	06/12/23 14:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/12/23 08:57	06/12/23 14:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*06/12/23 08:57*	*06/12/23 14:03*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*06/12/23 08:57*	*06/12/23 14:03*	*1*

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

Lab Sample ID: MB 880-55253/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 55372 — **Prep Batch: 55253**

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		06/12/23 10:46	06/13/23 09:46	1

QC Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29362-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-55253/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 55372 — **Prep Batch: 55253**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/12/23 10:46	06/13/23 09:46	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/12/23 10:46	06/13/23 09:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*06/12/23 10:46*	*06/13/23 09:46*	*1*
o-Terphenyl	*146*	*S1+*	*70 - 130*	*06/12/23 10:46*	*06/13/23 09:46*	*1*

Lab Sample ID: LCS 880-55253/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 55372 — **Prep Batch: 55253**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	900.1		mg/Kg		90	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1169		mg/Kg		117	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*100*		*70 - 130*
o-Terphenyl	*119*		*70 - 130*

Lab Sample ID: LCSD 880-55253/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 55372 — **Prep Batch: 55253**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	950.4		mg/Kg		95	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	1090		mg/Kg		109	70 - 130	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*113*		*70 - 130*

Lab Sample ID: 890-4807-A-1-D MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 55372 — **Prep Batch: 55253**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	1227		mg/Kg		120	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	874.4		mg/Kg		83	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*108*		*70 - 130*
o-Terphenyl	*119*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29362-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 890-4807-A-1-E MSD
Matrix: Solid
Analysis Batch: 55372

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 55253

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	1205		mg/Kg		118	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	867.7		mg/Kg		83	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*108*		*70 - 130*
o-Terphenyl	*118*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-55257/1-A
Matrix: Solid
Analysis Batch: 55361

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			06/13/23 03:21	1

Lab Sample ID: LCS 880-55257/2-A
Matrix: Solid
Analysis Batch: 55361

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	260.7		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-55257/3-A
Matrix: Solid
Analysis Batch: 55361

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	261.2		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-29362-1 MS
Matrix: Solid
Analysis Batch: 55361

Client Sample ID: CS-16 (1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	23.9	F1	248	300.4	F1	mg/Kg		111	90 - 110

Lab Sample ID: 880-29362-1 MSD
Matrix: Solid
Analysis Batch: 55361

Client Sample ID: CS-16 (1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	23.9	F1	248	300.8	F1	mg/Kg		112	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29362-1
SDG: Lea County, New Mexico

GC VOA

Prep Batch: 55036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29362-1	CS-16 (1.5')	Total/NA	Solid	5035	
880-29362-2	CS-17 (1.5')	Total/NA	Solid	5035	
MB 880-55036/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-55036/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-55036/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-29238-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-29238-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 55244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29362-1	CS-16 (1.5')	Total/NA	Solid	8021B	55036
880-29362-2	CS-17 (1.5')	Total/NA	Solid	8021B	55036
MB 880-55036/5-A	Method Blank	Total/NA	Solid	8021B	55036
MB 880-55246/5-A	Method Blank	Total/NA	Solid	8021B	55246
LCS 880-55036/1-A	Lab Control Sample	Total/NA	Solid	8021B	55036
LCSD 880-55036/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	55036
880-29238-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	55036
880-29238-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	55036

Prep Batch: 55246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-55246/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 55392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29362-1	CS-16 (1.5')	Total/NA	Solid	Total BTEX	
880-29362-2	CS-17 (1.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 55253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29362-1	CS-16 (1.5')	Total/NA	Solid	8015NM Prep	
880-29362-2	CS-17 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-55253/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-55253/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-55253/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4807-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4807-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 55372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29362-1	CS-16 (1.5')	Total/NA	Solid	8015B NM	55253
880-29362-2	CS-17 (1.5')	Total/NA	Solid	8015B NM	55253
MB 880-55253/1-A	Method Blank	Total/NA	Solid	8015B NM	55253
LCS 880-55253/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	55253
LCSD 880-55253/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	55253
890-4807-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	55253
890-4807-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	55253

QC Association Summary

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29362-1
SDG: Lea County, New Mexico

GC Semi VOA

Analysis Batch: 55451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29362-1	CS-16 (1.5')	Total/NA	Solid	8015 NM	
880-29362-2	CS-17 (1.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 55257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29362-1	CS-16 (1.5')	Soluble	Solid	DI Leach	
880-29362-2	CS-17 (1.5')	Soluble	Solid	DI Leach	
MB 880-55257/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-55257/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-55257/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-29362-1 MS	CS-16 (1.5')	Soluble	Solid	DI Leach	
880-29362-1 MSD	CS-16 (1.5')	Soluble	Solid	DI Leach	

Analysis Batch: 55361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29362-1	CS-16 (1.5')	Soluble	Solid	300.0	55257
880-29362-2	CS-17 (1.5')	Soluble	Solid	300.0	55257
MB 880-55257/1-A	Method Blank	Soluble	Solid	300.0	55257
LCS 880-55257/2-A	Lab Control Sample	Soluble	Solid	300.0	55257
LCSD 880-55257/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	55257
880-29362-1 MS	CS-16 (1.5')	Soluble	Solid	300.0	55257
880-29362-1 MSD	CS-16 (1.5')	Soluble	Solid	300.0	55257

Lab Chronicle

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29362-1
SDG: Lea County, New Mexico

Client Sample ID: CS-16 (1.5')

Date Collected: 06/09/23 00:00
Date Received: 06/12/23 09:34

Lab Sample ID: 880-29362-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	55036	06/12/23 12:50	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55244	06/13/23 04:29	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55392	06/13/23 11:33	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55451	06/13/23 17:15	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	55253	06/12/23 10:46	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55372	06/13/23 13:51	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	55257	06/12/23 12:15	KS	EET MID
Soluble	Analysis	300.0		1			55361	06/13/23 03:38	CH	EET MID

Client Sample ID: CS-17 (1.5')

Date Collected: 06/09/23 00:00
Date Received: 06/12/23 09:34

Lab Sample ID: 880-29362-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	55036	06/12/23 12:50	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55244	06/13/23 04:50	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55392	06/13/23 11:33	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55451	06/13/23 17:15	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	55253	06/12/23 10:46	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55372	06/13/23 14:32	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	55257	06/12/23 12:15	KS	EET MID
Soluble	Analysis	300.0		1			55361	06/13/23 03:55	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29362-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29362-1
SDG: Lea County, New Mexico

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International
EPA = US Environmental Protection Agency
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Carmona Resources
Project/Site: Denton 5 SWD

Job ID: 880-29362-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-29362-1	CS-16 (1.5')	Solid	06/09/23 00:00	06/12/23 09:34
880-29362-2	CS-17 (1.5')	Solid	06/09/23 00:00	06/12/23 09:34

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Work Order No: 29362

Page 1 of 1

Project Manager	Conner Moehring	Bill to: (if different)	Grant Huckabay/Addison Guelker
Company Name	Carmona Resources	Company Name	Fasken Oil and Ranch
Address	310 W Wall St Ste 500	Address.	6101 Holiday Hill Road
City, State ZIP	Midland TX 79701	City, State ZIP	Midland, Texas 79707
Phone	432-813-6823	Email	Granth@forl com/addisong@forl com & addisong@forl com

Work Order Comments

Program: UST/PST ☐ PRP ☐ rownfields ☐ RC ☐ perfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other

Project Name.	Denton 5 SWD	Turn Around	
Project Number	1154	☐ Routine	☑ Rush
Project Location	Lea County New Mexico	Due Date	24 Hrs
Sampler's Name	MM		
PO #:			

SAMPLE RECEIPT			
Temp Blank.	Yes (No)	Wet Ice	(Yes) No
Received Intact:	(Yes) No	Thermometer ID	IR6
Cooler Custody Seals.	Yes No (N/A)	Correction Factor	-.3
Sample Custody Seals	Yes No (N/A)	Temperature Reading	0.3
Total Containers.		Corrected Temperature.	—

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
SW-16 (1 5')	6/9/2023		X		C	1		X	X	X
SW-17 (1 5')	6/9/2023		X		C	1		X	X	X

ANALYSIS REQUEST

Preservative Codes

None NO	DI Water H_2O
Cool Cool	MeOH Me
HCL HC	HNO_3. HN
H_2S0_4 H_2	NaOH Na
H_3PO_4 HP	
$NaHSO_4$ NABIS	
$Na_2S_2O_3$ $NaSO_3$	
Zn Acetate+NaOH Zn	
NaOH+Ascorbic Acid SAPC	

Sample Comments

402

880-29362 Chain of Custody

Comments: Email results to Mike Carmona mcarmona@carmonaresources.com & Conner Moehring cmoehring@carmonaresources com

Relinquished by: (Signature)	Date/Time	Received by (Signature)	Date/Time
	6-12-23 934		

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6/19/2023 (Rev. 1)

Received by OCD: 7/23/2025 5:18:16 PM

Released to Imaging: 8/27/2025 2:00:32 PM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-29362-1
SDG Number: Lea County, New Mexico

Login Number: 29362
List Number: 1
Creator: Rodriguez, Leticia

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	
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	

APPENDIX F

CARMONA RESOURCES

From: Addison Guelker
Sent: Tuesday, June 6, 2023 5:18 PM
To: Conner Moehring
Cc: Mike Carmona
Subject: Fwd: Fasken - Denton 5 SWD - Soil Profile and SLO Seed Mix

We are good to use the loamy seed mixture. See below email.

Sent from my iPhone

Begin forwarded message:

> **From:** "Griffin, Becky R." <bgriffin@slo.state.nm.us>
> **Date:** June 5, 2023 at 3:54:26 PM CDT
> **To:** Addison Guelker <addisong@forl.com>
> **Cc:** "Knight, Tami C." <tknight@slo.state.nm.us>, Grant Huckabay <granth@forl.com>
> **Subject: RE: Fasken - Denton 5 SWD - Soil Profile and SLO Seed Mix**
>
> Hi Addison,
>
> Yes, the NMSLO loamy seed mixture is approved to reseed the Denton #5 SWD.
>
> Becky
>
> **From:** Addison Guelker <addisong@forl.com>
> **Sent:** Monday, June 5, 2023 12:58 PM
> **To:** Griffin, Becky R. <bgriffin@slo.state.nm.us>
> **Cc:** Knight, Tami C. <tknight@slo.state.nm.us>; Grant Huckabay <granth@forl.com>
> **Subject:** [EXTERNAL] Fasken - Denton 5 SWD - Soil Profile and SLO Seed Mix
>
> Becky,
>
> Can you tell us what seed mixture we need to use for the Denton #5 SWD? We used the SLO loamy seed mixture on the Morton Field Reclamation, and had some left over. With this site, the loamy soil is very similar to the Morton Field, so would help us out if we could use the same mixture.
>
> Thanks,
>
> FASKEN | OIL AND RANCH
>
> Addison Guelker
> Environmental Analyst
> Bus: 432-687-1777

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NMSLO Seed Mix — Loamy (L)

LOAMY (L) SITES SEED MIXTURE:

COMMON NAME	VARIETY	APPLICATION RATE (PLS/Acre)	DRILL BOX
Grasses:			
Black grama	VNS, Southern	1.0	D
Blue grama	Lovington	1.0	D
Sideoats grama	Vaughn, El Reno	4.0	F
Sand dropseed	VNS, Southern	2.0	S
Alkali sacaton	VNS, Southern	1.0	
Little bluestem	Cimarron, Pastura	1.5	F
Forbs:			
Firewheel (*Gaillardia*)	VNS, Southern	1.0	D
Shrubs:			
Fourwing saltbush	Marana, Santa Rita	1.0	D
Common winterfat	VNS, Southern	0.5	F
	Total PLS/acre	**18.0**	

S = Small seed drill box, D = Standard seed drill box, F = Fluffy seed drill box
VNS = Variety Not Stated, PLS = Pure Live Seed

- Seed mixes should be provided in bags separating seed types into the three categories: small (S), standard (D) and fluffy (F).
- VNS, Southern – Seed should be from a southern latitude collection of this species.
- Double seed application rate for broadcast or hydroseeding.
- If one species is not available, contact the SLO for an approved substitute; alternatively the SLO may require other species proportionately increased.
- Additional information on these seed species can be found on the USDA Plants Database website at http://plants.usda.gov.

Received by OCD: 7/23/2025 5:18:16 PM
Released to Imaging: 8/27/2025 2:00:32 PM

Soil Map—Lea County, New Mexico

Map Scale: 1:640 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 5 10 20 30

Feet
0 30 60 120 180

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

Released to Imaging: 8/27/2025 2:00:32 PM

Received by OCD: 7/23/2025 5:18:16 PM

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 19, Sep 8, 2022

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 5, 2021—Feb 8, 2021

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Released to Imaging: 8/27/2025 2:00:32 PM

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Kb	Kimbrough loam, 0 to 1 percent slopes	0.5	33.2%
St	Stegall loam, 0 to 1 percent slopes	1.1	66.8%
Totals for Area of Interest		**1.6**	**100.0%**

Lea County, New Mexico

St—Stegall loam, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: 1idyr
Elevation: 2,500 to 5,300 feet
Mean annual precipitation: 16 to 21 inches
Mean annual air temperature: 57 to 63 degrees F
Frost-free period: 185 to 220 days
Farmland classification: Prime farmland if irrigated

Map Unit Composition

Stegall and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Stegall

Setting

Landform: Plains
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Loamy eolian deposits from the blackwater draw formation of pleistocene age

Typical profile

Ap - 0 to 8 inches: loam
Bt - 8 to 28 inches: clay loam
Bkkm - 28 to 38 inches: cemented material
BCkk - 38 to 80 inches: clay loam

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: 20 to 36 inches to petrocalcic
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately high (0.00 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 60 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water supply, 0 to 60 inches: Low (about 4.4 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: C

Ecological site: R077CY022TX - Deep Hardland 16-21" PZ
Hydric soil rating: No

Minor Components

Kimberson
Percent of map unit: 5 percent
Landform: Plains
Down-slope shape: Convex
Across-slope shape: Linear
Ecological site: R077CY037TX - Very Shallow 16-21" PZ
Hydric soil rating: No

Friona
Percent of map unit: 3 percent
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R077CY022TX - Deep Hardland 16-21" PZ
Hydric soil rating: No

Slaughter
Percent of map unit: 2 percent
Landform: Plains
Down-slope shape: Convex
Across-slope shape: Linear
Ecological site: R077CY037TX - Very Shallow 16-21" PZ
Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 19, Sep 8, 2022

Lea County, New Mexico

Kb—Kimbrough loam, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: 2tw44
Elevation: 2,500 to 4,800 feet
Mean annual precipitation: 14 to 16 inches
Mean annual air temperature: 57 to 63 degrees F
Frost-free period: 180 to 220 days
Farmland classification: Not prime farmland

Map Unit Composition

Kimbrough and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kimbrough

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loamy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 3 inches: loam
Bw - 3 to 10 inches: loam
Bkkm1 - 10 to 16 inches: cemented material
Bkkm2 - 16 to 80 inches: cemented material

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: 4 to 18 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.01 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 95 percent
Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D

Ecological site: R077DY049TX - Very Shallow 12-17" PZ
Hydric soil rating: No

Minor Components

Eunice
Percent of map unit: 6 percent
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Convex
Ecological site: R077DY049TX - Very Shallow 12-17" PZ
Hydric soil rating: No

Spraberry
Percent of map unit: 5 percent
Landform: Playa rims, plains
Down-slope shape: Convex, linear
Across-slope shape: Linear
Ecological site: R077DY049TX - Very Shallow 12-17" PZ
Hydric soil rating: No

Kenhill
Percent of map unit: 4 percent
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R077DY038TX - Clay Loam 12-17" PZ
Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 19, Sep 8, 2022

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 487466

QUESTIONS

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 487466
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nSAP0127670627**
Incident Name	**NSAP0127670627 DENTON SWD #005 @ 30-025-05226**
Incident Type	**Produced Water Release**
Incident Status	**Re-vegetation Report Received**
Incident Well	**[30-025-05226] DENTON SWD #005**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	DENTON SWD #005
Date Release Discovered	10/03/2001
Surface Owner	State

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Other | Flow Line - Injection | Produced Water | Released: 0 BBL (Unknown Released Amount) | Recovered: 0 BBL | Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Historical happened before Fasken was the operator. Do not know anything about this spill except what was found on the OCD portal

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QUESTIONS (continued)

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 487466
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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.

I hereby agree and sign off to the above statement	Name: Addison Long Email: addisonl@forl.com Date: 01/22/2024

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QUESTIONS (continued)

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QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	Yes
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	300
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	8015
GRO+DRO (EPA SW-846 Method 8015M)	8015
BTEX (EPA SW-846 Method 8021B or 8260B)	8021
Benzene (EPA SW-846 Method 8021B or 8260B)	8021
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	05/24/2023
On what date will (or did) the final sampling or liner inspection occur	06/05/2023
On what date will (or was) the remediation complete(d)	06/23/2023
What is the estimated surface area (in square feet) that will be reclaimed	59950
What is the estimated volume (in cubic yards) that will be reclaimed	5060
What is the estimated surface area (in square feet) that will be remediated	3850
What is the estimated volume (in cubic yards) that will be remediated	5060
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

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	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	GANDY MARLEY LANDFARM/LANDFILL [fEEM0112338393]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	No
OR is the **off-site** disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
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.	
I hereby agree and sign off to the above statement	Name: Addison Long Email: addisonl@forl.com Date: 01/22/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

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QUESTIONS

Deferral Requests Only *Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.*	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
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	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**306893**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**06/02/2023**
What was the (estimated) number of samples that were to be gathered	**107**
What was the sampling surface area in square feet	**37000**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	38850
What was the total volume (cubic yards) remediated	5060
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	59950
What was the total volume (in cubic yards) reclaimed	5060
Summarize any additional remediation activities not included by answers (above)	Remediated this historical spill along with a few others before reclaiming the site.

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 (in .pdf format) 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.

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.

I hereby agree and sign off to the above statement	Name: Addison Long Email: addisonl@forl.com Date: 01/22/2024

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QUESTIONS (continued)

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QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	59950
What was the total volume of replacement material (in cubic yards) for this site	5060
Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commence(d)	06/23/2023
Summarize any additional reclamation activities not included by answers (above)	N/A
The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.	
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.	
I hereby agree and sign off to the above statement	Name: Addison Long Email: addisonl@forl.com Date: 01/22/2024

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QUESTIONS (continued)

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	Action Number: 487466
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

Revegetation Report	
Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.	
Requesting a restoration complete approval with this submission	Yes
What was the total revegetation surface area (in square feet) for this site	38850
Per Paragraph (2) of Subsection D of 19.15.29.13 NMAC the responsible party must reseed disturbed area in the first favorable growing season following closure of the site.	
On what date did the reseeding commence	06/23/2023
On what date was the vegetative cover inspected	02/10/2025
What was the life form ratio compared to pre-disturbance levels	65
What was the total percent plant cover compared to pre-disturbance levels	80
Summarize any additional revegetation activities not included by answers (above)	Not Any
The responsible party must attach information demonstrating they have complied with all applicable re-vegetation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any life form ratio and percent plant cover sampling diagrams or other relevant field notes, photographs of re-vegetated areas, and a narrative of the re-vegetation activities. Refer to 19.15.29.13 NMAC.	
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I hereby agree and sign off to the above statement	Name: Addison Long Email: addisonl@forl.com Date: 07/23/2025
Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.	

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CONDITIONS

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
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CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your revegetation report for Incident #NSAP0127670627 DENTON SWD #005, thank you. The revegetation report is approved.	8/27/2025