CARMONA RESOURCES

SITE INFORMATION

Closure Report
Lear State 002H (04.17.23)
Incident #: NAPP2312236467
Lea County, New Mexico
Unit G Sec 32 T18S R32E
32.7041°, -103.7869°

Produced Water Release
Point of Release: Flow Line
Release Date: 04.17.23
Volume Released: 1.6259 Barrels of Produced Water
Volume Recovered: 0 Barrels of Produced Water

CARMONA RESOURCES

Prepared for:
Concho Operating, LLC
600 W Illinois Ave
Midland, Texas 79701

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

CARMONA RESOURCES

TABLE OF CONTENTS

310 West Wall Street, Suite 500
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CARMONA RESOURCES

July 31, 2023

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

Re: Closure Report
Lear State 002H (04.17.23)
Concho Operating, LLC
Incident ID: NAPP2312236467
Site Location: Unit G, S32, T18S, R32E
(Lat 32.7041º, Long -103.7869º)
Lea County, New Mexico

To whom it may concern:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site activities for the Lear State 002H (04.17.23). The site is located at 32.7041°, -103.7869° within Unit G, S32, T18S, R32E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on April 17, 2023, caused by a ruptured flow line due to corrosion. It resulted in approximately one point six two five nine (1.6259) barrels of produced water released and zero (0) barrels of produced water recovered. The impacted area occurred in the pasture, shown in Figure 3. The initial C-141 form is attached in Appendix B.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The closest well is located approximately 1.79 miles South of the site in S8, T19S, R32E and was drilled in 1958. The well has a reported depth to groundwater of 368.30' feet below the ground surface (ft bgs). A copy of the associated point of diversion is attached in Appendix C.

On January 18, 2023, an air rotatory drill rig was onsite to drill a groundwater determination bore to 51’ below ground surface within a 0.50-mile radius of the location. The bore was left open for 72 hours and tagged with a water level meter. No water was detected at 51’ below the surface. The coordinates for the groundwater determination bore are 32.7058411°, -103.7917099°. See Appendix D for the log.

3.0 Site Characterization and Groundwater

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

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

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CARMONA RESOURCES

4.0 Site Assessment Activities

Initial Assessment

On May 25, 2023, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of eight (8) sample points (S-1 through S-8) and nine (9) horizontal sample points (H-1 through H-9) were installed to total depths ranging from surface to 5.0' bgs inside the release area. See Figure 3 for the 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, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

See Table 1 for the analytical results.

5.0 Remediation Activities

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. The Kinder Morgan line in the area was hand dug with the approval of a Kinder Morgan representative onsite. Before collecting composite confirmation samples, the NMOCD division office was notified via email on June 20, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of thirteen (13) floor confirmation samples were collected (CS-1 through CS-13), and twenty-four (24) sidewall samples (SW-1 through SW-24) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. 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 4.

All final confirmation samples were below the regulatory and reclamation requirements for TPH, BTEX, and chloride. Refer to Table 2.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 320 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 site was re-seeded during the summer on July 3, 2023, to help aid the growth process. Double the required pounds of pure live seed per acre were used. The seed mixture was spread by hand. Topsoil matching the surrounding areas was raked back on top of the seed after it was broadcasted. The seed mixture used was the SLO Shallow mixture (See attachments in Appendix F).

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 COG 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

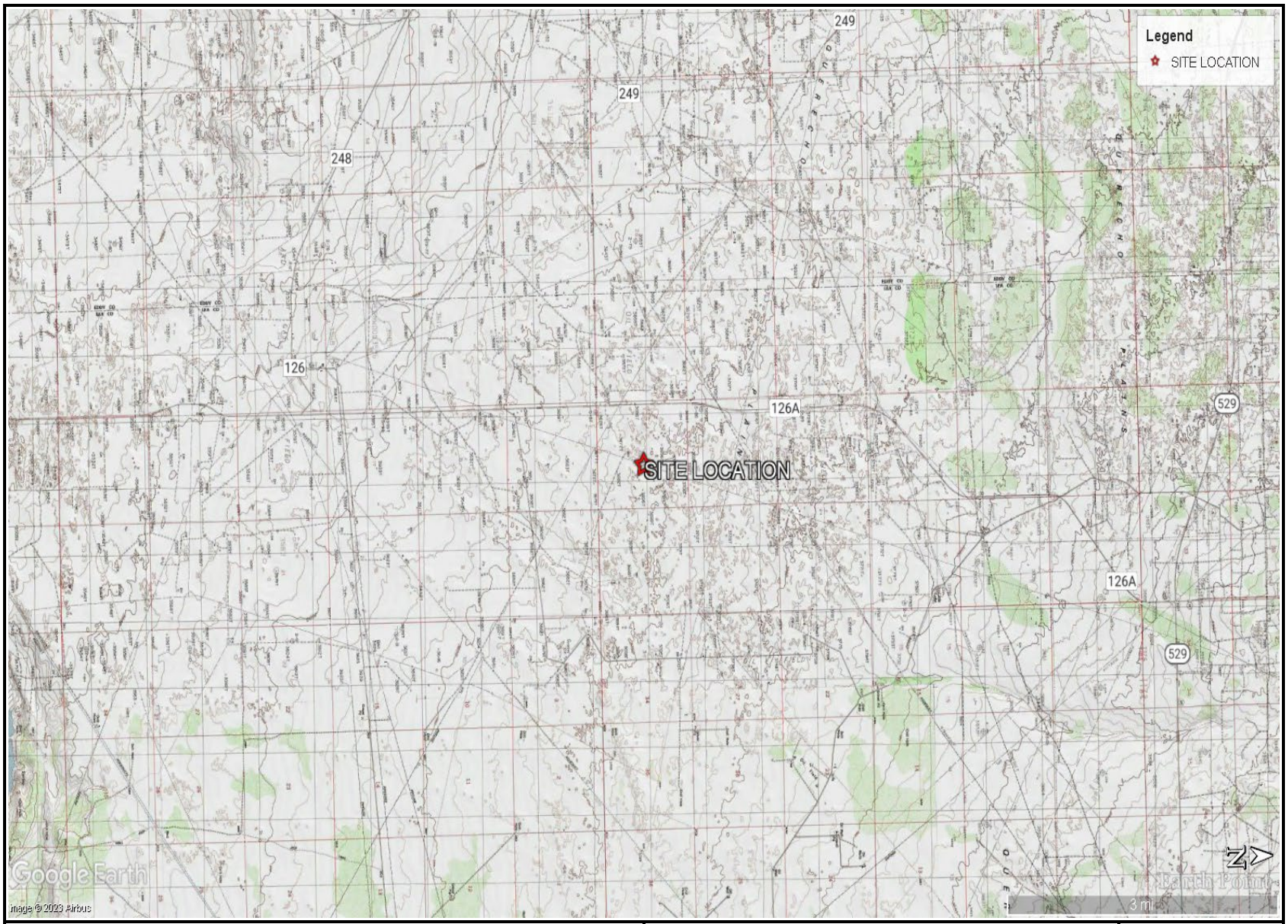
Conner Moehring
Sr. Project Manager

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

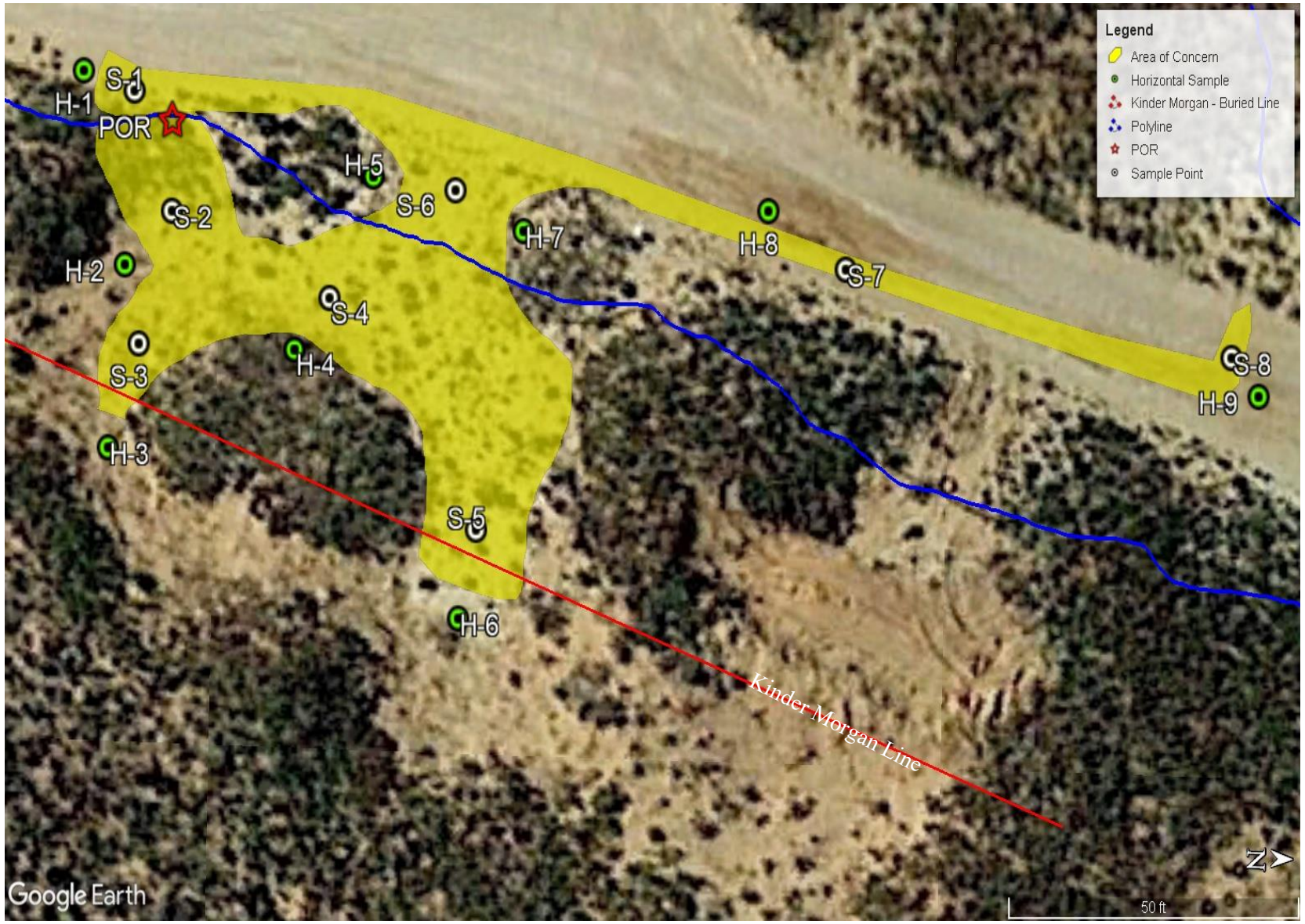
FIGURES

CARMONA RESOURCES

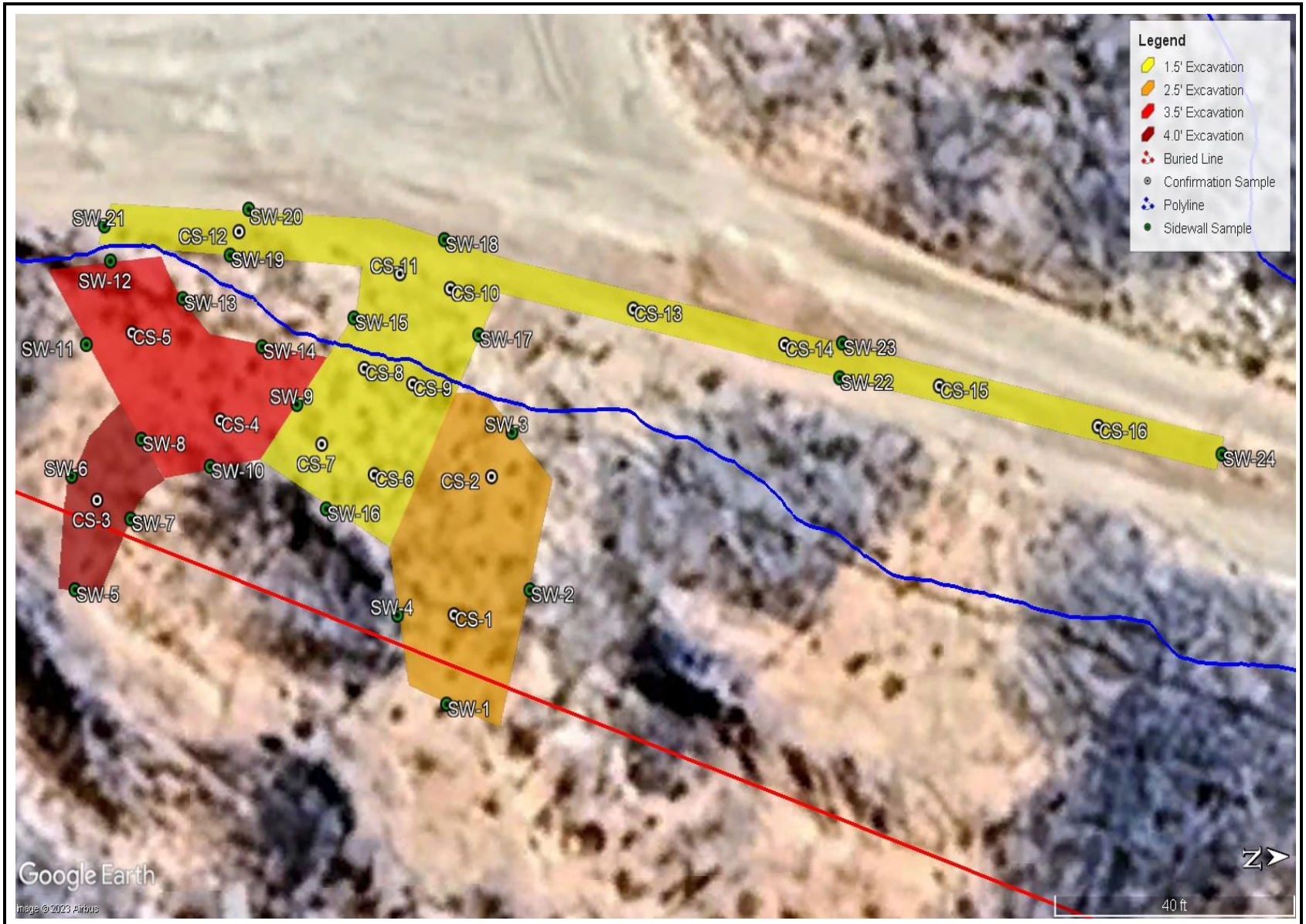
OVERVIEW MAP COG OPERATING, LLC LEAR STATE 002H (04.17.23) LEA COUNTY, NEW MEXICO 32.7041°, -103.7869°	CARMONA RESOURCES	FIGURE 1



TOPOGRAPHIC MAP COG OPERATING, LLC LEAR STATE 002H (04.17.23) LEA COUNTY, NEW MEXICO 32.7041°, -103.7869°	CARMONA RESOURCES	FIGURE 2



SAMPLE LOCATION MAP COG OPERATING, LLC LEAR STATE 002H (04.17.23) LEA COUNTY, NEW MEXICO 32.7041°, -103.7869°	CARMONA RESOURCES	FIGURE 3



EXCAVATION MAP COG OPERATING, LLC LEAR STATE 002H (04.17.23) LEA COUNTY, NEW MEXICO 32.7041°, -103.7869°	CARMONA RESOURCES	FIGURE 4

APPENDIX A

CARMONA RESOURCES

Table 1
Conoco Phillips
Lear State #2H (4.17.23)
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						
S-1	5/25/2023	0-1.0	78.6	**1,430**	<49.9	**1,510**	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	258
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00201	0.0148	0.0388	0.324	0.378	186
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	188
	"	3.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	148
	"	4.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	177
	"	5.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	49.3
S-2	5/25/2023	0-1.0	<49.9	**307**	<49.9	**307**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	43.7
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	65.2
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	46.6
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	88.3
	"	4.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	62.5
	"	5.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	94.6
S-3	5/25/2023	0-1.0	1,060	**11,300**	<498	**12,400**	1.44	**73.2**	31.6	48.1	**154**	940
	"	1.5	91.1	**1,410**	<49.9	**1,500**	<0.198	7.35	7.78	17.7	32.8	**610**
	"	2.0	<50.0	**140**	<50.0	**140**	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	574
	"	3.0	<49.8	67.8	<49.8	67.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	**1,050**
	"	4.0	<49.8	56.2	<49.8	56.2	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	**1,680**
	"	5.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,400
	7/20/2023	5.5	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	27.8
S-4	5/25/2023	0-1.0	<49.8	81.1	<49.8	81.1	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	239
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	211
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	174
	"	3.0	<49.9	**103**	<49.9	**103**	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	167
	"	4.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	37.4
	"	5.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	199
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
(S) Sample Point
Removed

Table 1
Conoco Phillips
Lear State #2H (4.17.23)
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						
S-5	5/25/2023	0-1.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	119
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	191
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	**843**
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	267
	"	4.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	121
	"	5.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	110
S-6	5/25/2023	0-1.0	<249	**4,650**	<249	**4,650**	<0.0502	0.0949	0.813	2.40	3.31	42.1
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	45.7
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00202	0.00216	<0.00202	<0.00403	<0.00403	442
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	485
	"	4.0	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	564
	"	5.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	339
S-7	5/25/2023	0-1.0	<49.9	**235**	<49.9	**235**	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	332
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	264
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	204
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	76.4
	"	4.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	76.8
	"	5.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	131
S-8	5/25/2023	0-1.0	<50.0	**400**	60.1	**460**	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	305
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	75.6
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	47.4
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

(S) Sample Point

Removed

Table 1
Conoco Phillips
Lear State #2H (4.17.23)
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						
H-1	5/25/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	90.8
H-2	5/25/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	41.2
H-3	5/25/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	37.0
H-4	5/25/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	41.3
H-5	5/25/2023	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	59.7
H-6	5/25/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	40.7
H-7	5/25/2023	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	114
H-8	5/25/2023	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	104
H-9	5/25/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	67.8
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
(H) Horizontal Sample

Table 2
Conoco Phillips
Lear State #2H (04.17.23)
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	6/22/2023	2.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	26.7
CS-2	6/22/2023	2.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	26.1
CS-3	6/22/2023	4.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	31.0
CS-4	6/26/2023	3.5	<49.9	50.5	<49.9	50.5	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	33.3
CS-5	6/26/2023	3.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	30.1
CS-6	6/26/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	34.0
CS-7	6/26/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	32.4
CS-8	6/26/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	32.4
CS-9	6/26/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	37.3
CS-10	6/26/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	33.3
CS-11	6/26/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	35.5
CS-12	6/26/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	33.0
CS-13	6/26/2023	1.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	34.8
SW-1	6/22/2023	2.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	28.0
SW-2	6/22/2023	2.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	37.7
SW-3	6/22/2023	2.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	28.9
SW-4	6/22/2023	2.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	32.0
SW-5	6/22/2023	4.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	27.0
SW-6	6/22/2023	4.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	32.1
SW-7	6/22/2023	4.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	47.4
Regulatory Criteria [A]						**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 Smaple
(SW) Sidewall Sample

Table 2
Conoco Phillips
Lear State #2H (04.17.23)
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-8	6/22/2023	4.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	32.3
SW-9	6/26/2023	3.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	31.0
SW-10	6/26/2023	3.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	35.3
SW-11	6/26/2023	3.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	35.5
SW-12	6/26/2023	3.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	43.8
SW-13	6/26/2023	3.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	33.7
SW-14	6/26/2023	3.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	36.0
SW-15	6/26/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	25.7
SW-16	6/26/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	35.9
SW-17	6/26/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	37.0
SW-18	6/26/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	30.6
SW-19	6/26/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	26.2
SW-20	6/26/2023	1.5	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	31.3
SW-21	6/26/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	35.8
SW-22	6/26/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	35.4
SW-23	6/26/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	25.9
SW-24	6/26/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	27.1
Regulatory Criteria [A]						2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH- Total Petroleum Hydrocarbons
ft-feet
(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 1

Facility: Lear State #2H (04.17.23)

County: Lea County, New Mexico

Description:
View Northwest area of CS-1 through CS-2.

Photograph No. 2

Facility: Lear State #2H (04.17.23)

County: Lea County, New Mexico

Description:
View South, area of CS-3.

Photograph No. 3

Facility: Lear State #2H (04.17.23)

County: Lea County, New Mexico

Description:
View South, area of CS-4 and CS-5.

CARMONA RESOURCES

PHOTOGRAPHIC LOG

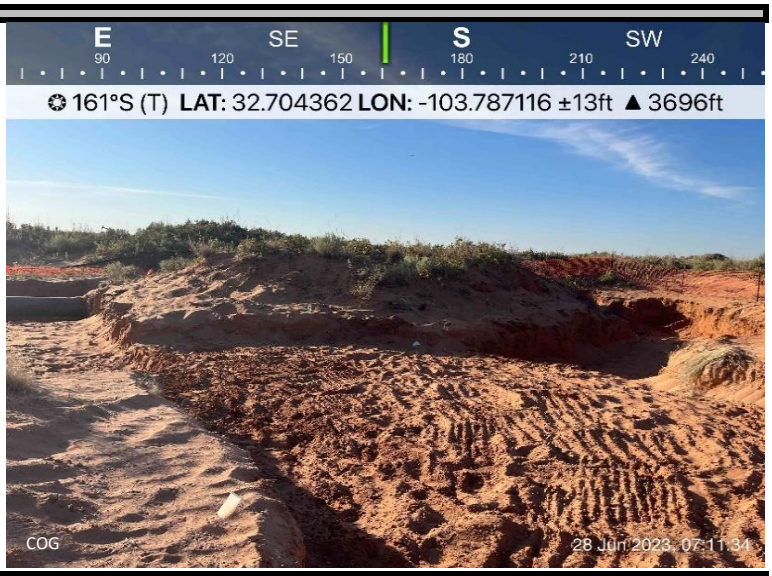
Concho Operating, LLC

Photograph No. 4

Facility: Lear State #2H (04.17.23)

County: Lea County, New Mexico

Description:
View South, area of CS-6 through CS-11.



Photograph No. 5

Facility: Lear State #2H (04.17.23)

County: Lea County, New Mexico

Description:
View Southeast, area of CS-12.

Photograph No. 6

Facility: Lear State #2H (04.17.23)

County: Lea County, New Mexico

Description:
View South, area of CS-13 through CS-16.

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 7

Facility: Lear State #2H (04.17.23)

County: Lea County, New Mexico

Description:
View area of 4' excavation, Kinder Morgan Line exposed by hand w/representative's approval.

Photograph No. 8

Facility: Lear State #2H (04.17.23)

County: Lea County, New Mexico

Description:
View area of 2.5 excavation of Kinder Morgan line exposed by hand w/representative's approval.

Photograph No. 9

Facility: Lear State #2H (04.17.23)

County: Lea County, New Mexico

Description:
Area of the backfilled and reseed excavation.

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 10

Facility: Lear State #2H (04.17.23)

County: Lea County, New Mexico

Description:
Area of the backfilled and reseed excavation.

Photograph No. 11

Facility: Lear State #2H (04.17.23)

County: Lea County, New Mexico

Description:
Area of the backfilled and reseed excavation.

Photograph No. 12

Facility: Lear State #2H (04.17.23)

County: Lea County, New Mexico

Description:
Area of the backfilled and reseed excavation.

CARMONA RESOURCES

APPENDIX C

CARMONA RESOURCES

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # *(assigned by OCD)*
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# *(if applicable)*

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

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

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

☐ The source of the release has been stopped.
☐ The impacted area has been secured to protect human health and the environment.
☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☐ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 05/02/2023

Co... a series of rectangles	(ft.)	(ft.)	Average Depth (in.)	Estimated *Pool* Area (sq. ft.)	Estimated volume of each pool area (bbl.)	Penetration allowance (ft.)	Total Estimated Volume of Spill (bbl.)
Rectangle A	5	5	0.5	25.00	0.19	0.00	0.19
Rectangle B	3	10	0.5	30.00	0.22	0.00	0.22
Rectangle C	5	10	0.5	50.00	0.37	0.00	0.37
Rectangle D	3	2	1.0	6.00	0.09	0.00	0.09
Rectangle E	3	2	1.0	6.00	0.09	0.00	0.09
Rectangle F	10	3	1.0	30.00	0.45	0.00	0.45
Rectangle G	25	1	0.5	25.00	0.19	0.00	0.19
Rectangle H	2	2	2.0	4.00	0.12	0.01	0.12
Rectangle I				0.00	0.00	0.00	0.00
Rectangle J				0.00	0.00	0.00	0.00
						Total Volume Release, Soil not impacted:	1.6259

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

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 212567
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	5/2/2023

State of New Mexico
Oil Conservation Division

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: Shelly Wells Date: 8/30/2023

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: Shelly Wells Date: 8/30/2023

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

Closure Approved by: Nelson Velez Date: 12/28/2023

Printed Name: Nelson Velez Title: Environmental Specialist – Adv

From: Mike Carmona
Sent: Tuesday, June 20, 2023 12:29 PM
To: NMOCD Spill Notifications (OCD.Enviro@emnrd.nm.gov)
Cc: Harris, Jacqui; Conner Moehring
Subject: COG Lear State 002H (04.17.23) Sampling Notification - Incident No. NAPP2312236467

All,

This email serves as a notification for confirmation sampling on the Lear State 002H (04.17.23). Sampling is scheduled to begin on Thursday, June 22nd around 3:00 p.m. Mountain Time. Carmona Resources personnel will be on-site to collect the confirmation samples.

Incident No. NAPP2312236467

Mike J. Carmona
310 West Wall Street, Suite 500
Midland TX, 79701
M: 432-813-1992
Mcarmona@carmonaresources.com

CARMONA RESOURCES

APPENDIX D

CARMONA RESOURCES

Nearest Water Well

COG Operating

Legend

- 0.30 Miles
- 0.50 Mile Radius
- 1.79 Miles
- 1.88 Miles
- 2.47 Miles
- 51' GWDB - Drilled 1.18.2023
- Lear State 002H (04.17.23)
- USGS Water Well

51' GWDB - Drilled 1.18.2023

Lear State 002H (04.17.23)

117.28' - Drilled 1981

368.30' - Drilled 1958

365.30' - Drilled 1958

Google Earth

1 mi

N

Low Karst

COG Operating

Legend

- High
- Lear State 002H (04.17.23)
- Low
- Medium

Lear State 002H (04.17.23)

N

2 mi

Google Earth

Drilling/Boring Log

Driller Information	Location Information	Date: 1/18/2023
Hungry Horse, LLC.	Watkins 32 State #1	Driller: Daniel Dominguez
3709 S Eunice HWY, PO BOX 1058	API #: 30-025-31735	Rig Type: Truck-mounted rotary
Hobbs, NM 88241	ULSTR: F-32-18S-32E	Bit Size: 3-1/2"
	Lat: 32.7058411	Drilling Method: Air rotary
License #: 1755	Long: -103.7917099	Sample Method: Disposable Bailer

Sample Collected	Sample Interval (ft)	Composition %	Sample Material/Comments Include composition, color, grain size, moisture, hardness, plasticity, density	Hydrocarbon Odor
X	0 - 10		Red sand	None
X	10 - 20		Caliche	None
X	20 - 40		Red Sand	None
X	40 - 47		Sand/rock mix	None
X	47 - 51		White rock	None

Surface Elevation 3700.8 ft

Notes: TD @ 51' - Ground water not encountered at any time during or after 72 hours

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	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 01938 POD1	CP	LE	1	4	1	32	18S	32E	613277	3619332	463	51		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 613698.82 **Northing (Y):** 3619141.98 **Radius:** 4000

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: New Mexico | GO

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 =
- 324046103464101

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

USGS 324046103464101 19S.32E.08.2

Lea County, New Mexico
Latitude 32°40'42", Longitude 103°47'00" NAD27
Land-surface elevation 3,640 feet above NGVD29
This well is completed in the Other aquifers (N9999OTHER) national 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
1958-12-10		D	62610		3271.70	NGVD29	1	O	USGS	
1958-12-10		D	62611		3273.26	NAVD88	1	O	USGS	
1958-12-10		D	72019	368.30			1	O	USGS	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	O	Observed.

Section	Code	Description
Measuring agency	USGS	U.S. Geological Survey
Source of measurement	S	Measured by personnel of reporting agency.
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: 2023-05-04 14:49:12 EDT
0.29 0.26 nadww02

USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: New Mexico | GO

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 =
- 324040103464801

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

USGS 324040103464801 19S.32E.08.22411

Lea County, New Mexico
Latitude 32°40'40", Longitude 103°46'48" NAD27
Land-surface elevation 3,640 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Santa Rosa Sandstone (231SNRS) 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
1958-12-09		D	62610		3273.14	NGVD29	1	Z		
1958-12-09		D	62611		3274.70	NAVD88	1	Z		
1958-12-09		D	72019	365.30			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
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.

Section	Code	Description
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: 2023-05-04 14:47:47 EDT
0.27 0.24 nadww01

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	? S

Groundwater | New Mexico | GO

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- 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 =
- 324224103444101

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

USGS 324224103444101 18S.32E.34.22200

Lea County, New Mexico
Latitude 32°42'24", Longitude 103°44'41" NAD27
Land-surface elevation 3,723 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

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

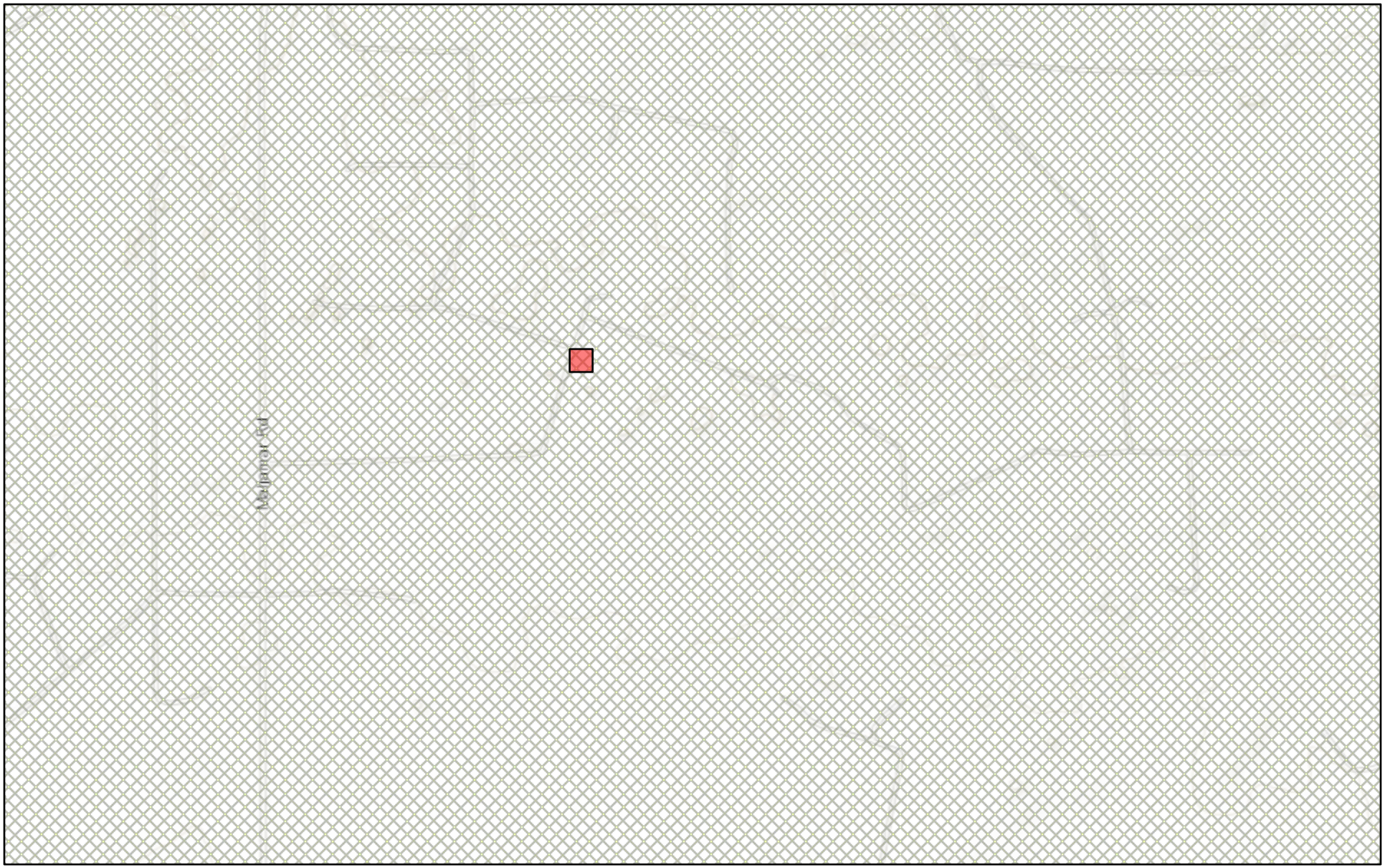
Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1965-12-08		D	62610		3604.01	NGVD29	1	Z		
1965-12-08		D	62611		3605.58	NAVD88	1	Z		
1965-12-08		D	72019	117.42			1	Z		
1968-03-18		D	62610		3603.97	NGVD29	1	Z		
1968-03-18		D	62611		3605.54	NAVD88	1	Z		
1968-03-18		D	72019	117.46			1	Z		
1971-04-06		D	62610		3603.97	NGVD29	1	Z		
1971-04-06		D	62611		3605.54	NAVD88	1	Z		
1971-04-06		D	72019	117.46			1	Z		
1976-05-21		D	62610		3604.04	NGVD29	1	Z		
1976-05-21		D	62611		3605.61	NAVD88	1	Z		
1976-05-21		D	72019	117.39			1	Z		
1981-03-12		D	62610		3604.15	NGVD29	1	Z		
1981-03-12		D	62611		3605.72	NAVD88	1	Z		
1981-03-12		D	72019	117.28			1	Z		

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	? S

Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	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

New Mexico NFHL Data



May 4, 2023

1:18,056

0 0.13 0.25 0.5 mi

0 0.2 0.4 0.8 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

ANALYTICAL REPORT

PREPARED FOR

Attn: Mike Carmona
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 6/1/2023 1:38:36 PM

JOB DESCRIPTION

Lear State #2H (4.17.23)
SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-28856-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

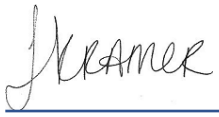
Eurofins Midland

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
6/1/2023 1:38:36 PM

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

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Laboratory Job ID: 880-28856-1
SDG: Lea County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28856-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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: Lear State #2H (4.17.23)

Job ID: 880-28856-1
SDG: Lea County, New Mexico

Job ID: 880-28856-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-28856-1

Receipt
The samples were received on 5/26/2023 1:04 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 1.1°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-28856-1), H-2 (0-0.5') (880-28856-2), H-3 (0-0.5') (880-28856-3), H-4 (0-0.5') (880-28856-4), H-5 (0-0.5') (880-28856-5), H-6 (0-0.5') (880-28856-6), H-7 (0-0.5') (880-28856-7), H-8 (0-0.5') (880-28856-8) and H-9 (0-0.5') (880-28856-9).

GC VOA
Method 8021B: The CCV was biased low for ethylbenzene, toluene, o-xylene, and m,p-xylenes. Another CCV was analyzed and acceptable within the method specified 12 hour window; therefore, the data was qualified and reported. (CCV 880-54444/33)

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-54428 and analytical batch 880-54444 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.

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: (LCSD 880-54292/3-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 880-54269 and analytical batch 880-54394 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 880-54268 and analytical batch 880-54393 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: Lear State #2H (4.17.23)

Job ID: 880-28856-1
SDG: Lea County, New Mexico

Client Sample ID: H-1 (0-0.5')

Lab Sample ID: 880-28856-1
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/30/23 09:40	05/30/23 14:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/30/23 09:40	05/30/23 14:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/30/23 09:40	05/30/23 14:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/30/23 09:40	05/30/23 14:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/30/23 09:40	05/30/23 14:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/30/23 09:40	05/30/23 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*05/30/23 09:40*	*05/30/23 14:35*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*05/30/23 09:40*	*05/30/23 14:35*	*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			05/31/23 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			05/30/23 15:43	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		05/26/23 17:40	05/28/23 12:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/26/23 17:40	05/28/23 12:50	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/26/23 17:40	05/28/23 12:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*05/26/23 17:40*	*05/28/23 12:50*	*1*
o-Terphenyl	*126*		*70 - 130*	*05/26/23 17:40*	*05/28/23 12:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**90.8**		5.05		mg/Kg			05/30/23 11:45	1

Client Sample ID: H-2 (0-0.5')

Lab Sample ID: 880-28856-2
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/30/23 15:51	06/01/23 05:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/30/23 15:51	06/01/23 05:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/30/23 15:51	06/01/23 05:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/30/23 15:51	06/01/23 05:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/30/23 15:51	06/01/23 05:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/30/23 15:51	06/01/23 05:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*05/30/23 15:51*	*06/01/23 05:33*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/30/23 15:51*	*06/01/23 05:33*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28856-1
SDG: Lea County, New Mexico

Client Sample ID: H-2 (0-0.5')

Lab Sample ID: 880-28856-2
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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			06/01/23 09:26	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			05/30/23 15:43	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		05/26/23 17:40	05/28/23 13:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/26/23 17:40	05/28/23 13:12	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/23 17:40	05/28/23 13:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*05/26/23 17:40*	*05/28/23 13:12*	*1*
o-Terphenyl	*128*		*70 - 130*	*05/26/23 17:40*	*05/28/23 13:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**41.2**		4.99		mg/Kg			05/30/23 11:51	1

Client Sample ID: H-3 (0-0.5')

Lab Sample ID: 880-28856-3
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/30/23 09:40	05/30/23 16:19	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/30/23 09:40	05/30/23 16:19	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/30/23 09:40	05/30/23 16:19	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/30/23 09:40	05/30/23 16:19	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/30/23 09:40	05/30/23 16:19	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/30/23 09:40	05/30/23 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*70 - 130*	*05/30/23 09:40*	*05/30/23 16:19*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*05/30/23 09:40*	*05/30/23 16:19*	*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			05/31/23 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			05/30/23 15:43	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		05/26/23 17:40	05/28/23 13:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/26/23 17:40	05/28/23 13:59	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28856-1
SDG: Lea County, New Mexico

Client Sample ID: H-3 (0-0.5')

Lab Sample ID: 880-28856-3
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/26/23 17:40	05/28/23 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*05/26/23 17:40*	*05/28/23 13:59*	*1*
o-Terphenyl	*109*		*70 - 130*	*05/26/23 17:40*	*05/28/23 13:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**37.0**		5.05		mg/Kg			05/30/23 11:56	1

Client Sample ID: H-4 (0-0.5')

Lab Sample ID: 880-28856-4
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/30/23 09:40	05/30/23 16:39	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/30/23 09:40	05/30/23 16:39	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/30/23 09:40	05/30/23 16:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/30/23 09:40	05/30/23 16:39	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/30/23 09:40	05/30/23 16:39	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/30/23 09:40	05/30/23 16:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*	*05/30/23 09:40*	*05/30/23 16:39*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/30/23 09:40*	*05/30/23 16:39*	*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			05/31/23 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			05/30/23 15:43	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		05/26/23 17:40	05/28/23 13:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/26/23 17:40	05/28/23 13:35	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/23 17:40	05/28/23 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*05/26/23 17:40*	*05/28/23 13:35*	*1*
o-Terphenyl	*113*		*70 - 130*	*05/26/23 17:40*	*05/28/23 13:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**41.3**		5.02		mg/Kg			05/30/23 12:01	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28856-1
SDG: Lea County, New Mexico

Client Sample ID: H-5 (0-0.5')

Lab Sample ID: 880-28856-5
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/30/23 09:40	05/30/23 17:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:40	05/30/23 17:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:40	05/30/23 17:00	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/30/23 09:40	05/30/23 17:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:40	05/30/23 17:00	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/30/23 09:40	05/30/23 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*05/30/23 09:40*	*05/30/23 17:00*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*05/30/23 09:40*	*05/30/23 17:00*	*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			05/31/23 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			05/30/23 15:43	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		05/26/23 17:40	05/28/23 14:22	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/26/23 17:40	05/28/23 14:22	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/26/23 17:40	05/28/23 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*05/26/23 17:40*	*05/28/23 14:22*	*1*
o-Terphenyl	*119*		*70 - 130*	*05/26/23 17:40*	*05/28/23 14:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**59.7**	**F1**	4.99		mg/Kg			05/30/23 09:35	1

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-28856-6
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/30/23 09:40	05/30/23 17:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/30/23 09:40	05/30/23 17:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/30/23 09:40	05/30/23 17:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/30/23 09:40	05/30/23 17:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/30/23 09:40	05/30/23 17:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/30/23 09:40	05/30/23 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*70 - 130*	*05/30/23 09:40*	*05/30/23 17:20*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*05/30/23 09:40*	*05/30/23 17:20*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28856-1
SDG: Lea County, New Mexico

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-28856-6
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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			05/31/23 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			05/30/23 15:43	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		05/26/23 17:40	05/28/23 14:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/26/23 17:40	05/28/23 14:45	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/26/23 17:40	05/28/23 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*05/26/23 17:40*	*05/28/23 14:45*	*1*
o-Terphenyl	*118*		*70 - 130*	*05/26/23 17:40*	*05/28/23 14:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**40.7**		5.01		mg/Kg			05/30/23 09:51	1

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-28856-7
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/30/23 09:40	05/30/23 17:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:40	05/30/23 17:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:40	05/30/23 17:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/30/23 09:40	05/30/23 17:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:40	05/30/23 17:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/30/23 09:40	05/30/23 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*05/30/23 09:40*	*05/30/23 17:41*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*05/30/23 09:40*	*05/30/23 17:41*	*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			05/31/23 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			05/30/23 15:43	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		05/26/23 17:40	05/28/23 15:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/26/23 17:40	05/28/23 15:08	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28856-1
SDG: Lea County, New Mexico

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-28856-7
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/26/23 17:40	05/28/23 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*05/26/23 17:40*	*05/28/23 15:08*	*1*
o-Terphenyl	*115*		*70 - 130*	*05/26/23 17:40*	*05/28/23 15:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**114**		5.03		mg/Kg			05/30/23 09:56	1

Client Sample ID: H-8 (0-0.5')

Lab Sample ID: 880-28856-8
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/30/23 09:40	05/30/23 18:02	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/30/23 09:40	05/30/23 18:02	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/30/23 09:40	05/30/23 18:02	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/30/23 09:40	05/30/23 18:02	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/30/23 09:40	05/30/23 18:02	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/30/23 09:40	05/30/23 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*05/30/23 09:40*	*05/30/23 18:02*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*05/30/23 09:40*	*05/30/23 18:02*	*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			05/31/23 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			05/30/23 15:43	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		05/26/23 17:40	05/28/23 15:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/26/23 17:40	05/28/23 15:31	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/26/23 17:40	05/28/23 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*05/26/23 17:40*	*05/28/23 15:31*	*1*
o-Terphenyl	*118*		*70 - 130*	*05/26/23 17:40*	*05/28/23 15:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**104**		4.98		mg/Kg			05/30/23 10:02	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28856-1
SDG: Lea County, New Mexico

Client Sample ID: H-9 (0-0.5')

Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28856-9

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		05/30/23 09:40	05/30/23 18:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:40	05/30/23 18:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:40	05/30/23 18:22	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/30/23 09:40	05/30/23 18:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:40	05/30/23 18:22	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/30/23 09:40	05/30/23 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*05/30/23 09:40*	*05/30/23 18:22*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*05/30/23 09:40*	*05/30/23 18:22*	*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			05/31/23 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			05/30/23 15:43	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		05/26/23 17:40	05/28/23 15:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/26/23 17:40	05/28/23 15:55	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/26/23 17:40	05/28/23 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*05/26/23 17:40*	*05/28/23 15:55*	*1*
o-Terphenyl	*125*		*70 - 130*	*05/26/23 17:40*	*05/28/23 15:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**67.8**		4.98		mg/Kg			05/30/23 10:07	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28856-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) BFB1 (70-130)	DFBZ1 (70-130)
880-28852-A-4-C MS	Matrix Spike	76	118
880-28852-A-4-D MSD	Matrix Spike Duplicate	84	115
880-28856-1	H-1 (0-0.5')	101	103
880-28856-2	H-2 (0-0.5')	93	104
880-28856-3	H-3 (0-0.5')	74	88
880-28856-4	H-4 (0-0.5')	80	102
880-28856-5	H-5 (0-0.5')	79	84
880-28856-6	H-6 (0-0.5')	72	79
880-28856-7	H-7 (0-0.5')	78	87
880-28856-8	H-8 (0-0.5')	110	113
880-28856-9	H-9 (0-0.5')	97	106
880-28876-A-1-A MS	Matrix Spike	105	103
880-28876-A-1-B MSD	Matrix Spike Duplicate	99	110
LCS 880-54365/1-A	Lab Control Sample	106	101
LCS 880-54428/1-A	Lab Control Sample	82	115
LCSD 880-54365/2-A	Lab Control Sample Dup	99	103
LCSD 880-54428/2-A	Lab Control Sample Dup	105	111
MB 880-54365/5-A	Method Blank	90	109
MB 880-54425/5-A	Method Blank	83	102
MB 880-54428/5-A	Method Blank	79	103

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)
880-28856-1	H-1 (0-0.5')	113	126
880-28856-2	H-2 (0-0.5')	112	128
880-28856-3	H-3 (0-0.5')	90	109
880-28856-4	H-4 (0-0.5')	93	113
880-28856-5	H-5 (0-0.5')	95	119
880-28856-6	H-6 (0-0.5')	106	118
880-28856-7	H-7 (0-0.5')	92	115
880-28856-8	H-8 (0-0.5')	101	118
880-28856-9	H-9 (0-0.5')	107	125
880-28859-A-18-C MS	Matrix Spike	109	115
880-28859-A-18-D MSD	Matrix Spike Duplicate	100	116
LCS 880-54292/2-A	Lab Control Sample	106	129
LCSD 880-54292/3-A	Lab Control Sample Dup	107	133 S1+
MB 880-54292/1-A	Method Blank	93	110

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28856-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-54365/5-A
Matrix: Solid
Analysis Batch: 54337

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 54365

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:40	05/30/23 11:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:40	05/30/23 11:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:40	05/30/23 11:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/30/23 09:40	05/30/23 11:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:40	05/30/23 11:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/30/23 09:40	05/30/23 11:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*05/30/23 09:40*	*05/30/23 11:30*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*05/30/23 09:40*	*05/30/23 11:30*	*1*

Lab Sample ID: LCS 880-54365/1-A
Matrix: Solid
Analysis Batch: 54337

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 54365

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09839		mg/Kg		98	70 - 130
Toluene	0.100	0.09022		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.08827		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	0.200	0.1870		mg/Kg		93	70 - 130
o-Xylene	0.100	0.09537		mg/Kg		95	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-54365/2-A
Matrix: Solid
Analysis Batch: 54337

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 54365

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1284		mg/Kg		128	70 - 130	26	35
Toluene	0.100	0.1125		mg/Kg		113	70 - 130	22	35
Ethylbenzene	0.100	0.1041		mg/Kg		104	70 - 130	16	35
m-Xylene & p-Xylene	0.200	0.2159		mg/Kg		108	70 - 130	14	35
o-Xylene	0.100	0.1082		mg/Kg		108	70 - 130	13	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 880-28876-A-1-A MS
Matrix: Solid
Analysis Batch: 54337

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 54365

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.101	0.1210		mg/Kg		120	70 - 130
Toluene	<0.00201	U	0.101	0.1065		mg/Kg		106	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28856-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-28876-A-1-A MS
Matrix: Solid
Analysis Batch: 54337

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 54365

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.101	0.1040		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.202	0.2162		mg/Kg		107	70 - 130
o-Xylene	<0.00201	U	0.101	0.1073		mg/Kg		106	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 880-28876-A-1-B MSD
Matrix: Solid
Analysis Batch: 54337

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 54365

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	0.1191		mg/Kg		120	70 - 130	2	35
Toluene	<0.00201	U	0.0996	0.09924		mg/Kg		100	70 - 130	7	35
Ethylbenzene	<0.00201	U	0.0996	0.09310		mg/Kg		93	70 - 130	11	35
m-Xylene & p-Xylene	<0.00402	U	0.199	0.1915		mg/Kg		96	70 - 130	12	35
o-Xylene	<0.00201	U	0.0996	0.09560		mg/Kg		96	70 - 130	12	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: MB 880-54425/5-A
Matrix: Solid
Analysis Batch: 54444

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 54425

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:42	05/31/23 10:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:42	05/31/23 10:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:42	05/31/23 10:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/30/23 15:42	05/31/23 10:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:42	05/31/23 10:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/30/23 15:42	05/31/23 10:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*05/30/23 15:42*	*05/31/23 10:53*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/30/23 15:42*	*05/31/23 10:53*	*1*

Lab Sample ID: MB 880-54428/5-A
Matrix: Solid
Analysis Batch: 54444

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 54428

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:51	05/31/23 22:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:51	05/31/23 22:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:51	05/31/23 22:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/30/23 15:51	05/31/23 22:42	1

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28856-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-54428/5-A
Matrix: Solid
Analysis Batch: 54444

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 54428

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/30/23 15:51	05/31/23 22:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/30/23 15:51	05/31/23 22:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*05/30/23 15:51*	*05/31/23 22:42*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*05/30/23 15:51*	*05/31/23 22:42*	*1*

Lab Sample ID: LCS 880-54428/1-A
Matrix: Solid
Analysis Batch: 54444

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 54428

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1294		mg/Kg		129	70 - 130
Toluene	0.100	0.09418		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.08057		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	0.200	0.1568		mg/Kg		78	70 - 130
o-Xylene	0.100	0.07851		mg/Kg		79	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*

Lab Sample ID: LCSD 880-54428/2-A
Matrix: Solid
Analysis Batch: 54444

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 54428

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1215		mg/Kg		122	70 - 130	6	35
Toluene	0.100	0.09515		mg/Kg		95	70 - 130	1	35
Ethylbenzene	0.100	0.09010		mg/Kg		90	70 - 130	11	35
m-Xylene & p-Xylene	0.200	0.1872		mg/Kg		94	70 - 130	18	35
o-Xylene	0.100	0.09428		mg/Kg		94	70 - 130	18	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: 880-28852-A-4-C MS
Matrix: Solid
Analysis Batch: 54444

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 54428

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.101	0.1230		mg/Kg		122	70 - 130
Toluene	<0.00199	U	0.101	0.08215		mg/Kg		81	70 - 130
Ethylbenzene	<0.00199	U F1	0.101	0.06967	F1	mg/Kg		69	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.202	0.1305	F1	mg/Kg		64	70 - 130
o-Xylene	<0.00199	U F1	0.101	0.06536	F1	mg/Kg		65	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28856-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-28852-A-4-C MS
Matrix: Solid
Analysis Batch: 54444

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 54428

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*

Lab Sample ID: 880-28852-A-4-D MSD
Matrix: Solid
Analysis Batch: 54444

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 54428

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.1182		mg/Kg		118	70 - 130	4	35
Toluene	<0.00199	U	0.100	0.08174		mg/Kg		82	70 - 130	1	35
Ethylbenzene	<0.00199	U F1	0.100	0.07111		mg/Kg		71	70 - 130	2	35
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.1343	F1	mg/Kg		67	70 - 130	3	35
o-Xylene	<0.00199	U F1	0.100	0.06799	F1	mg/Kg		68	70 - 130	4	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*

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

Lab Sample ID: MB 880-54292/1-A
Matrix: Solid
Analysis Batch: 54326

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 54292

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		05/26/23 17:40	05/28/23 09:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/26/23 17:40	05/28/23 09:00	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/23 17:40	05/28/23 09:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*93*		*70 - 130*	*05/26/23 17:40*	*05/28/23 09:00*	*1*
o-Terphenyl	*110*		*70 - 130*	*05/26/23 17:40*	*05/28/23 09:00*	*1*

Lab Sample ID: LCS 880-54292/2-A
Matrix: Solid
Analysis Batch: 54326

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 54292

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1072		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1101		mg/Kg		110	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	*106*		*70 - 130*
o-Terphenyl	*129*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28856-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-54292/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 54326 — **Prep Batch: 54292**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1177		mg/Kg		118	70 - 130	9	20
Diesel Range Organics (Over C10-C28)			1000	1119		mg/Kg		112	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*107*		*70 - 130*
o-Terphenyl	*133*	*S1+*	*70 - 130*

Lab Sample ID: 880-28859-A-18-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 54326 — **Prep Batch: 54292**

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	998	937.6		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	992.8		mg/Kg		97	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*109*		*70 - 130*
o-Terphenyl	*115*		*70 - 130*

Lab Sample ID: 880-28859-A-18-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 54326 — **Prep Batch: 54292**

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	1092		mg/Kg		107	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	970.4		mg/Kg		94	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*100*		*70 - 130*
o-Terphenyl	*116*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-54268/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 54393

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/30/23 09:05	1

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28856-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-54268/2-A
Matrix: Solid
Analysis Batch: 54393

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	257.3		mg/Kg		103	90 - 110		

Lab Sample ID: LCSD 880-54268/3-A
Matrix: Solid
Analysis Batch: 54393

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	256.4		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-28855-A-1-C MS
Matrix: Solid
Analysis Batch: 54393

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	37.0	F1	249	259.9		mg/Kg		90	90 - 110		

Lab Sample ID: 880-28855-A-1-D MSD
Matrix: Solid
Analysis Batch: 54393

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	37.0	F1	249	256.7	F1	mg/Kg		88	90 - 110	1	20

Lab Sample ID: MB 880-54269/1-A
Matrix: Solid
Analysis Batch: 54394

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			05/30/23 09:19	1

Lab Sample ID: LCS 880-54269/2-A
Matrix: Solid
Analysis Batch: 54394

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	245.7		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-54269/3-A
Matrix: Solid
Analysis Batch: 54394

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	245.9		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-28856-5 MS
Matrix: Solid
Analysis Batch: 54394

Client Sample ID: H-5 (0-0.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	59.7	F1	250	274.3	F1	mg/Kg		86	90 - 110		

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28856-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-28856-5 MSD
Matrix: Solid
Analysis Batch: 54394

Client Sample ID: H-5 (0-0.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	59.7	F1	250	274.9	F1	mg/Kg		86	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28856-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 54337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28856-1	H-1 (0-0.5')	Total/NA	Solid	8021B	54365
880-28856-3	H-3 (0-0.5')	Total/NA	Solid	8021B	54365
880-28856-4	H-4 (0-0.5')	Total/NA	Solid	8021B	54365
880-28856-5	H-5 (0-0.5')	Total/NA	Solid	8021B	54365
880-28856-6	H-6 (0-0.5')	Total/NA	Solid	8021B	54365
880-28856-7	H-7 (0-0.5')	Total/NA	Solid	8021B	54365
880-28856-8	H-8 (0-0.5')	Total/NA	Solid	8021B	54365
880-28856-9	H-9 (0-0.5')	Total/NA	Solid	8021B	54365
MB 880-54365/5-A	Method Blank	Total/NA	Solid	8021B	54365
LCS 880-54365/1-A	Lab Control Sample	Total/NA	Solid	8021B	54365
LCSD 880-54365/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	54365
880-28876-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	54365
880-28876-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	54365

Prep Batch: 54365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28856-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-28856-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-28856-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-28856-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-28856-6	H-6 (0-0.5')	Total/NA	Solid	5035	
880-28856-7	H-7 (0-0.5')	Total/NA	Solid	5035	
880-28856-8	H-8 (0-0.5')	Total/NA	Solid	5035	
880-28856-9	H-9 (0-0.5')	Total/NA	Solid	5035	
MB 880-54365/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-54365/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-54365/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28876-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-28876-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 54425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-54425/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 54428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28856-2	H-2 (0-0.5')	Total/NA	Solid	5035	
MB 880-54428/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-54428/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-54428/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28852-A-4-C MS	Matrix Spike	Total/NA	Solid	5035	
880-28852-A-4-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 54444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28856-2	H-2 (0-0.5')	Total/NA	Solid	8021B	54428
MB 880-54425/5-A	Method Blank	Total/NA	Solid	8021B	54425
MB 880-54428/5-A	Method Blank	Total/NA	Solid	8021B	54428
LCS 880-54428/1-A	Lab Control Sample	Total/NA	Solid	8021B	54428
LCSD 880-54428/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	54428
880-28852-A-4-C MS	Matrix Spike	Total/NA	Solid	8021B	54428

QC Association Summary

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28856-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 54444 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28852-A-4-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	54428

Analysis Batch: 54469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28856-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-28856-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-28856-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-28856-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-28856-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-28856-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-28856-7	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	
880-28856-8	H-8 (0-0.5')	Total/NA	Solid	Total BTEX	
880-28856-9	H-9 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 54292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28856-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-28856-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-28856-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-28856-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-28856-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-28856-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-28856-7	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-28856-8	H-8 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-28856-9	H-9 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-54292/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-54292/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-54292/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28859-A-18-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-28859-A-18-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 54326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28856-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	54292
880-28856-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	54292
880-28856-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	54292
880-28856-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	54292
880-28856-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	54292
880-28856-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	54292
880-28856-7	H-7 (0-0.5')	Total/NA	Solid	8015B NM	54292
880-28856-8	H-8 (0-0.5')	Total/NA	Solid	8015B NM	54292
880-28856-9	H-9 (0-0.5')	Total/NA	Solid	8015B NM	54292
MB 880-54292/1-A	Method Blank	Total/NA	Solid	8015B NM	54292
LCS 880-54292/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	54292
LCSD 880-54292/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	54292
880-28859-A-18-C MS	Matrix Spike	Total/NA	Solid	8015B NM	54292
880-28859-A-18-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	54292

QC Association Summary

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28856-1
SDG: Lea County, New Mexico

GC Semi VOA

Analysis Batch: 54426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28856-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-28856-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-28856-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-28856-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-28856-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-28856-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-28856-7	H-7 (0-0.5')	Total/NA	Solid	8015 NM	
880-28856-8	H-8 (0-0.5')	Total/NA	Solid	8015 NM	
880-28856-9	H-9 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 54268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28856-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-28856-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-28856-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-28856-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-54268/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-54268/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-54268/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28855-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-28855-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 54269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28856-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-28856-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-28856-7	H-7 (0-0.5')	Soluble	Solid	DI Leach	
880-28856-8	H-8 (0-0.5')	Soluble	Solid	DI Leach	
880-28856-9	H-9 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-54269/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-54269/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-54269/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28856-5 MS	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-28856-5 MSD	H-5 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 54393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28856-1	H-1 (0-0.5')	Soluble	Solid	300.0	54268
880-28856-2	H-2 (0-0.5')	Soluble	Solid	300.0	54268
880-28856-3	H-3 (0-0.5')	Soluble	Solid	300.0	54268
880-28856-4	H-4 (0-0.5')	Soluble	Solid	300.0	54268
MB 880-54268/1-A	Method Blank	Soluble	Solid	300.0	54268
LCS 880-54268/2-A	Lab Control Sample	Soluble	Solid	300.0	54268
LCSD 880-54268/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	54268
880-28855-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	54268
880-28855-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	54268

QC Association Summary

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28856-1
SDG: Lea County, New Mexico

HPLC/IC

Analysis Batch: 54394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28856-5	H-5 (0-0.5')	Soluble	Solid	300.0	54269
880-28856-6	H-6 (0-0.5')	Soluble	Solid	300.0	54269
880-28856-7	H-7 (0-0.5')	Soluble	Solid	300.0	54269
880-28856-8	H-8 (0-0.5')	Soluble	Solid	300.0	54269
880-28856-9	H-9 (0-0.5')	Soluble	Solid	300.0	54269
MB 880-54269/1-A	Method Blank	Soluble	Solid	300.0	54269
LCS 880-54269/2-A	Lab Control Sample	Soluble	Solid	300.0	54269
LCSD 880-54269/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	54269
880-28856-5 MS	H-5 (0-0.5')	Soluble	Solid	300.0	54269
880-28856-5 MSD	H-5 (0-0.5')	Soluble	Solid	300.0	54269

Lab Chronicle

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28856-1
SDG: Lea County, New Mexico

Client Sample ID: H-1 (0-0.5')

Lab Sample ID: 880-28856-1
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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	54365	05/30/23 09:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54337	05/30/23 14:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54469	05/31/23 09:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			54426	05/30/23 15:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54292	05/26/23 17:40	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54326	05/28/23 12:50	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	54268	05/26/23 16:01	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54393	05/30/23 11:45	CH	EET MID

Client Sample ID: H-2 (0-0.5')

Lab Sample ID: 880-28856-2
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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	54428	05/30/23 15:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54444	06/01/23 05:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54469	06/01/23 09:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			54426	05/30/23 15:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54292	05/26/23 17:40	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54326	05/28/23 13:12	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	54268	05/26/23 16:01	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54393	05/30/23 11:51	CH	EET MID

Client Sample ID: H-3 (0-0.5')

Lab Sample ID: 880-28856-3
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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	54365	05/30/23 09:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54337	05/30/23 16:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54469	05/31/23 09:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			54426	05/30/23 15:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54292	05/26/23 17:40	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54326	05/28/23 13:59	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	54268	05/26/23 16:01	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54393	05/30/23 11:56	CH	EET MID

Client Sample ID: H-4 (0-0.5')

Lab Sample ID: 880-28856-4
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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	54365	05/30/23 09:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54337	05/30/23 16:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54469	05/31/23 09:57	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28856-1
SDG: Lea County, New Mexico

Client Sample ID: H-4 (0-0.5')

Lab Sample ID: 880-28856-4
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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			54426	05/30/23 15:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54292	05/26/23 17:40	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54326	05/28/23 13:35	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	54268	05/26/23 16:01	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54393	05/30/23 12:01	CH	EET MID

Client Sample ID: H-5 (0-0.5')

Lab Sample ID: 880-28856-5
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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	54365	05/30/23 09:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54337	05/30/23 17:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54469	05/31/23 09:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			54426	05/30/23 15:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	54292	05/26/23 17:40	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54326	05/28/23 14:22	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	54269	05/26/23 16:13	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54394	05/30/23 09:35	CH	EET MID

Client Sample ID: H-6 (0-0.5')

Lab Sample ID: 880-28856-6
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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	54365	05/30/23 09:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54337	05/30/23 17:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54469	05/31/23 09:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			54426	05/30/23 15:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54292	05/26/23 17:40	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54326	05/28/23 14:45	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	54269	05/26/23 16:13	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54394	05/30/23 09:51	CH	EET MID

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-28856-7
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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	54365	05/30/23 09:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54337	05/30/23 17:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54469	05/31/23 09:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			54426	05/30/23 15:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	54292	05/26/23 17:40	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54326	05/28/23 15:08	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28856-1
SDG: Lea County, New Mexico

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-28856-7
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	54269	05/26/23 16:13	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54394	05/30/23 09:56	CH	EET MID

Client Sample ID: H-8 (0-0.5')

Lab Sample ID: 880-28856-8
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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	54365	05/30/23 09:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54337	05/30/23 18:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54469	05/31/23 09:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			54426	05/30/23 15:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	54292	05/26/23 17:40	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54326	05/28/23 15:31	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	54269	05/26/23 16:13	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54394	05/30/23 10:02	CH	EET MID

Client Sample ID: H-9 (0-0.5')

Lab Sample ID: 880-28856-9
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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	54365	05/30/23 09:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54337	05/30/23 18:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54469	05/31/23 09:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			54426	05/30/23 15:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54292	05/26/23 17:40	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54326	05/28/23 15:55	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	54269	05/26/23 16:13	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54394	05/30/23 10:07	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
Job ID: 880-28856-1
Project/Site: Lear State #2H (4.17.23)
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: Lear State #2H (4.17.23)

Job ID: 880-28856-1
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: Lear State #2H (4.17.23)

Job ID: 880-28856-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-28856-1	H-1 (0-0.5')	Solid	05/25/23 00:00	05/26/23 13:04
880-28856-2	H-2 (0-0.5')	Solid	05/25/23 00:00	05/26/23 13:04
880-28856-3	H-3 (0-0.5')	Solid	05/25/23 00:00	05/26/23 13:04
880-28856-4	H-4 (0-0.5')	Solid	05/25/23 00:00	05/26/23 13:04
880-28856-5	H-5 (0-0.5')	Solid	05/25/23 00:00	05/26/23 13:04
880-28856-6	H-6 (0-0.5')	Solid	05/25/23 00:00	05/26/23 13:04
880-28856-7	H-7 (0-0.5')	Solid	05/25/23 00:00	05/26/23 13:04
880-28856-8	H-8 (0-0.5')	Solid	05/25/23 00:00	05/26/23 13:04
880-28856-9	H-9 (0-0.5')	Solid	05/25/23 00:00	05/26/23 13:04

Work Order No: 298856

Project Manager	Conner Moehring	Bill to (if different)	Carmona Resources
Company Name	Carmona Resources	Company Name	
Address	310 W Wall St Ste 500	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone	432-813-6823	Email	mcarmona@carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	Lear State #2H (04 17 23)	Turn Around	
Project Number	2022	☐ Routine ☑ Rush	
Project Location	Lea County, New Mexico	Due Date	72 Hrs
Sampler's Name	GPJ		
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		

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
H-1 (0-0.5')	5/25/2023		X		G	1		X	X	X
H-2 (0-0.5')	5/25/2023		X		G	1		X	X	X
H-3 (0-0 5')	5/25/2023		X		G	1		X	X	X
H-4 (0-0 5')	5/25/2023		X		G	1		X	X	X
H-5 (0-0.5')	5/25/2023		X		G	1		X	X	X
H-6 (0-0 5')	5/25/2023		X		G	1		X	X	X
H-7 (0-0.5')	5/25/2023		X		G	1		X	X	X
H-8 (0-0 5')	5/25/2023		X		G	1		X	X	X
H-9 (0-0.5')	5/25/2023		X		G	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

880-28856 Chain of Custody

Comments Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by (Signature)	Date/Time
	5/26 - 1:04pm		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-28856-1
SDG Number: Lea County, New Mexico

Login Number: 28856
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mike Carmona
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 6/1/2023 5:00:14 PM

JOB DESCRIPTION

Lear State #2H (4.17.23)
SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-28860-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

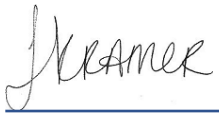
Eurofins Midland

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



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

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Laboratory Job ID: 880-28860-1
SDG: Lea County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
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.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low 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.

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)

Definitions/Glossary

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

Case Narrative

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Job ID: 880-28860-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-28860-1

Receipt
The samples were received on 5/26/2023 1:04 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 1.1°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-1.0') (880-28860-1), S-1 (1.5') (880-28860-2), S-1 (2.0') (880-28860-3), S-1 (3.0') (880-28860-4), S-1 (4.0') (880-28860-5), S-1 (5.0') (880-28860-6), S-2 (0-1.0') (880-28860-7), S-2 (1.5') (880-28860-8), S-2 (2.0') (880-28860-9), S-2 (3.0') (880-28860-10), S-2 (4.0') (880-28860-11), S-2 (5.0') (880-28860-12), S-3 (0-1.0') (880-28860-13), S-3 (1.5') (880-28860-14), S-3 (2.0') (880-28860-15), S-3 (3.0') (880-28860-16), S-3 (4.0') (880-28860-17), S-3 (5.0') (880-28860-18), S-4 (0-1.0') (880-28860-19), S-4 (1.5') (880-28860-20), S-4 (2.0') (880-28860-21), S-4 (3.0') (880-28860-22), S-4 (4.0') (880-28860-23), S-4 (5.0') (880-28860-24), S-5 (0-1.0') (880-28860-25), S-5 (1.5') (880-28860-26), S-5 (2.0') (880-28860-27), S-5 (3.0') (880-28860-28), S-5 (4.0') (880-28860-29), S-5 (5.0') (880-28860-30), S-6 (0-1.0') (880-28860-31), S-6 (1.5') (880-28860-32), S-6 (2.0') (880-28860-33), S-6 (3.0') (880-28860-34), S-6 (4.0') (880-28860-35), S-6 (5.0') (880-28860-36), S-7 (0-1.0') (880-28860-37), S-7 (1.5') (880-28860-38), S-7 (2.0') (880-28860-39), S-7 (3.0') (880-28860-40), S-7 (4.0') (880-28860-41), S-7 (5.0') (880-28860-42), S-8 (0-1.0') (880-28860-43), S-8 (1.5') (880-28860-44) and S-8 (2.0') (880-28860-45).

GC VOA
Method 8021B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 880-54264 and analytical batch 880-54208 recovered outside control limits for the following analytes: Benzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-54264 and analytical batch 880-54208 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 8021B: The laboratory control sample duplicate (LCSD) for preparation batch 880-54319 and analytical batch 880-54338 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 matrix spike (MS) and/or matrix spike duplicate (MSD) recovery for preparation batch 880-54319 and analytical batch 880-54338 was outside control limits for the following analyte(s): Benzene, Ethylbenzene and m-Xylene & p-Xylene. Results may be biased high because this analyte is a common laboratory solvent and contaminant.

Method 8021B: The CCV was biased low for benzene. Another CCV was analyzed and acceptable within the method specified 12 hour window; therefore, the data was qualified and reported. (CCV 880-54454/20)

Method 8021B: The following sample was diluted due to the nature of the sample matrix: S-3 (1.5') (880-28860-14). Elevated reporting limits (RLs) are provided.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-3 (1.5') (880-28860-14). 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 880-54490 and analytical batch 880-54541 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 sample was outside control limits: (MB 880-54490/5-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.

Case Narrative

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Job ID: 880-28860-1 (Continued)

Laboratory: Eurofins Midland (Continued)

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-8 (2.0') (880-28860-45). 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 880-54278 and analytical batch 880-54321 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 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-3 (0-1.0') (880-28860-13). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-54288 and analytical batch 880-54323 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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 880-54271 and 880-54271 and analytical batch 880-54396 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 880-54272 and 880-54272 and analytical batch 880-54398 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: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (0-1.0')

Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *+ F1	0.00202		mg/Kg		05/26/23 15:37	05/27/23 23:20	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/26/23 15:37	05/27/23 23:20	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/26/23 15:37	05/27/23 23:20	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/26/23 15:37	05/27/23 23:20	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/26/23 15:37	05/27/23 23:20	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/26/23 15:37	05/27/23 23:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*05/26/23 15:37*	*05/27/23 23:20*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*05/26/23 15:37*	*05/27/23 23:20*	*1*

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			05/30/23 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1510**		49.9		mg/Kg			05/30/23 11:11	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	**78.6**		49.9		mg/Kg		05/26/23 17:23	05/29/23 02:56	1
Diesel Range Organics (Over C10-C28)	**1430**		49.9		mg/Kg		05/26/23 17:23	05/29/23 02:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/26/23 17:23	05/29/23 02:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*05/26/23 17:23*	*05/29/23 02:56*	*1*
o-Terphenyl	*86*		*70 - 130*	*05/26/23 17:23*	*05/29/23 02:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**258**		5.02		mg/Kg			05/30/23 17:59	1

Client Sample ID: S-1 (1.5')

Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-2
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		05/26/23 15:37	05/27/23 23:40	1
Toluene	**0.0148**		0.00201		mg/Kg		05/26/23 15:37	05/27/23 23:40	1
Ethylbenzene	**0.0388**		0.00201		mg/Kg		05/26/23 15:37	05/27/23 23:40	1
m-Xylene & p-Xylene	**0.136**		0.00402		mg/Kg		05/26/23 15:37	05/27/23 23:40	1
o-Xylene	**0.188**		0.00201		mg/Kg		05/26/23 15:37	05/27/23 23:40	1
Xylenes, Total	**0.324**		0.00402		mg/Kg		05/26/23 15:37	05/27/23 23:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*05/26/23 15:37*	*05/27/23 23:40*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*05/26/23 15:37*	*05/27/23 23:40*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-28860-2
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.378**		0.00402		mg/Kg			05/30/23 09:08	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			05/30/23 11:11	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		05/26/23 17:23	05/28/23 21:48	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/26/23 17:23	05/28/23 21:48	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/26/23 17:23	05/28/23 21:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*05/26/23 17:23*	*05/28/23 21:48*	*1*
o-Terphenyl	*81*		*70 - 130*	*05/26/23 17:23*	*05/28/23 21:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**186**		4.96		mg/Kg			05/30/23 18:05	1

Client Sample ID: S-1 (2.0')

Lab Sample ID: 880-28860-3
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/26/23 15:37	05/28/23 00:01	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/26/23 15:37	05/28/23 00:01	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/26/23 15:37	05/28/23 00:01	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/26/23 15:37	05/28/23 00:01	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/26/23 15:37	05/28/23 00:01	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/26/23 15:37	05/28/23 00:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*05/26/23 15:37*	*05/28/23 00:01*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*05/26/23 15:37*	*05/28/23 00:01*	*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			05/30/23 09:08	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			05/30/23 11:11	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		05/26/23 17:23	05/28/23 22:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/26/23 17:23	05/28/23 22:51	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (2.0')

Lab Sample ID: 880-28860-3
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/23 17:23	05/28/23 22:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*05/26/23 17:23*	*05/28/23 22:51*	*1*
o-Terphenyl	*82*		*70 - 130*	*05/26/23 17:23*	*05/28/23 22:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**188**		4.95		mg/Kg			05/30/23 18:10	1

Client Sample ID: S-1 (3.0')

Lab Sample ID: 880-28860-4
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/26/23 15:37	05/28/23 00:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/26/23 15:37	05/28/23 00:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/26/23 15:37	05/28/23 00:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/26/23 15:37	05/28/23 00:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/26/23 15:37	05/28/23 00:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/26/23 15:37	05/28/23 00:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*05/26/23 15:37*	*05/28/23 00:21*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*05/26/23 15:37*	*05/28/23 00:21*	*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			05/30/23 09:08	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			05/30/23 11:11	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		05/26/23 17:23	05/28/23 23:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/26/23 17:23	05/28/23 23:12	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/26/23 17:23	05/28/23 23:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*05/26/23 17:23*	*05/28/23 23:12*	*1*
o-Terphenyl	*78*		*70 - 130*	*05/26/23 17:23*	*05/28/23 23:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**148**		5.02		mg/Kg			05/30/23 18:15	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (4.0')

Lab Sample ID: 880-28860-5
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/26/23 15:37	05/28/23 00:42	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/26/23 15:37	05/28/23 00:42	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/26/23 15:37	05/28/23 00:42	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/26/23 15:37	05/28/23 00:42	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/26/23 15:37	05/28/23 00:42	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/26/23 15:37	05/28/23 00:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*05/26/23 15:37*	*05/28/23 00:42*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*05/26/23 15:37*	*05/28/23 00:42*	*1*

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			05/30/23 09:08	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			05/30/23 11:11	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		05/26/23 17:23	05/28/23 23:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/26/23 17:23	05/28/23 23:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/23 17:23	05/28/23 23:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*05/26/23 17:23*	*05/28/23 23:32*	*1*
o-Terphenyl	*82*		*70 - 130*	*05/26/23 17:23*	*05/28/23 23:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**177**		5.04		mg/Kg			05/30/23 18:21	1

Client Sample ID: S-1 (5.0')

Lab Sample ID: 880-28860-6
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/26/23 15:37	05/28/23 01:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/26/23 15:37	05/28/23 01:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/26/23 15:37	05/28/23 01:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/26/23 15:37	05/28/23 01:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/26/23 15:37	05/28/23 01:02	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/26/23 15:37	05/28/23 01:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*05/26/23 15:37*	*05/28/23 01:02*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/26/23 15:37*	*05/28/23 01:02*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (5.0')

Lab Sample ID: 880-28860-6
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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			05/30/23 09:08	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			05/30/23 11:11	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		05/26/23 17:23	05/28/23 23:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/26/23 17:23	05/28/23 23:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/23 17:23	05/28/23 23:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*05/26/23 17:23*	*05/28/23 23:52*	*1*
o-Terphenyl	*85*		*70 - 130*	*05/26/23 17:23*	*05/28/23 23:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**49.3**	**F1**	5.01		mg/Kg			05/30/23 19:04	1

Client Sample ID: S-2 (0-1.0')

Lab Sample ID: 880-28860-7
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/26/23 15:37	05/28/23 01:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/26/23 15:37	05/28/23 01:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/26/23 15:37	05/28/23 01:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/26/23 15:37	05/28/23 01:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/26/23 15:37	05/28/23 01:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/26/23 15:37	05/28/23 01:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*05/26/23 15:37*	*05/28/23 01:22*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*05/26/23 15:37*	*05/28/23 01:22*	*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			05/30/23 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**307**		49.9		mg/Kg			05/30/23 11:11	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		05/26/23 17:23	05/29/23 00:13	1
Diesel Range Organics (Over C10-C28)	**307**		49.9		mg/Kg		05/26/23 17:23	05/29/23 00:13	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (0-1.0')

Lab Sample ID: 880-28860-7
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/26/23 17:23	05/29/23 00:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*05/26/23 17:23*	*05/29/23 00:13*	*1*
o-Terphenyl	*89*		*70 - 130*	*05/26/23 17:23*	*05/29/23 00:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**43.7**		5.02		mg/Kg			05/30/23 19:20	1

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-28860-8
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/26/23 15:37	05/28/23 01:43	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/26/23 15:37	05/28/23 01:43	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/26/23 15:37	05/28/23 01:43	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/26/23 15:37	05/28/23 01:43	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/26/23 15:37	05/28/23 01:43	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/26/23 15:37	05/28/23 01:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*05/26/23 15:37*	*05/28/23 01:43*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/26/23 15:37*	*05/28/23 01:43*	*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			05/30/23 09:08	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			05/30/23 11:11	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		05/26/23 17:23	05/29/23 00:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/26/23 17:23	05/29/23 00:33	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/23 17:23	05/29/23 00:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*05/26/23 17:23*	*05/29/23 00:33*	*1*
o-Terphenyl	*94*		*70 - 130*	*05/26/23 17:23*	*05/29/23 00:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**65.2**		4.99		mg/Kg			05/30/23 19:25	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (2.0')

Lab Sample ID: 880-28860-9
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/26/23 15:37	05/28/23 02:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/26/23 15:37	05/28/23 02:03	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/26/23 15:37	05/28/23 02:03	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/26/23 15:37	05/28/23 02:03	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/26/23 15:37	05/28/23 02:03	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/26/23 15:37	05/28/23 02:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*05/26/23 15:37*	*05/28/23 02:03*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*05/26/23 15:37*	*05/28/23 02:03*	*1*

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			05/30/23 09:08	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			05/30/23 11:11	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		05/26/23 17:23	05/29/23 00:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/26/23 17:23	05/29/23 00:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/26/23 17:23	05/29/23 00:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*05/26/23 17:23*	*05/29/23 00:54*	*1*
o-Terphenyl	*85*		*70 - 130*	*05/26/23 17:23*	*05/29/23 00:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**46.6**		4.95		mg/Kg			05/30/23 19:30	1

Client Sample ID: S-2 (3.0')

Lab Sample ID: 880-28860-10
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/26/23 15:37	05/28/23 02:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/26/23 15:37	05/28/23 02:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/26/23 15:37	05/28/23 02:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/26/23 15:37	05/28/23 02:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/26/23 15:37	05/28/23 02:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/26/23 15:37	05/28/23 02:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*05/26/23 15:37*	*05/28/23 02:24*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*05/26/23 15:37*	*05/28/23 02:24*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (3.0')

Lab Sample ID: 880-28860-10
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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			05/30/23 09:08	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			05/30/23 11:11	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		05/26/23 17:23	05/29/23 01:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/26/23 17:23	05/29/23 01:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/26/23 17:23	05/29/23 01:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*05/26/23 17:23*	*05/29/23 01:14*	*1*
o-Terphenyl	*89*		*70 - 130*	*05/26/23 17:23*	*05/29/23 01:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**88.3**		4.98		mg/Kg			05/30/23 19:36	1

Client Sample ID: S-2 (4.0')

Lab Sample ID: 880-28860-11
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/26/23 15:37	05/28/23 04:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/26/23 15:37	05/28/23 04:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/26/23 15:37	05/28/23 04:13	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/26/23 15:37	05/28/23 04:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/26/23 15:37	05/28/23 04:13	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/26/23 15:37	05/28/23 04:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*05/26/23 15:37*	*05/28/23 04:13*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*05/26/23 15:37*	*05/28/23 04:13*	*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			05/30/23 09:08	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			05/30/23 11:11	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		05/26/23 17:23	05/29/23 01:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/26/23 17:23	05/29/23 01:35	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (4.0')

Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/26/23 17:23	05/29/23 01:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*05/26/23 17:23*	*05/29/23 01:35*	*1*
o-Terphenyl	*80*		*70 - 130*	*05/26/23 17:23*	*05/29/23 01:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**819**		4.95		mg/Kg			05/30/23 19:52	1

Client Sample ID: S-2 (5.0')

Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-12
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		05/26/23 15:37	05/28/23 04:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/26/23 15:37	05/28/23 04:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/26/23 15:37	05/28/23 04:34	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/26/23 15:37	05/28/23 04:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/26/23 15:37	05/28/23 04:34	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/26/23 15:37	05/28/23 04:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*05/26/23 15:37*	*05/28/23 04:34*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*05/26/23 15:37*	*05/28/23 04:34*	*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			05/30/23 09:08	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			05/30/23 11:11	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		05/26/23 17:23	05/29/23 02:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/26/23 17:23	05/29/23 02:15	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/23 17:23	05/29/23 02:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*05/26/23 17:23*	*05/29/23 02:15*	*1*
o-Terphenyl	*88*		*70 - 130*	*05/26/23 17:23*	*05/29/23 02:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**94.6**		4.97		mg/Kg			05/30/23 19:57	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (0-1.0')

Lab Sample ID: 880-28860-13
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.44**		0.499		mg/Kg		05/31/23 12:00	06/01/23 14:30	250
Toluene	**73.2**		0.499		mg/Kg		05/31/23 12:00	06/01/23 14:30	250
Ethylbenzene	**31.6**		0.499		mg/Kg		05/31/23 12:00	06/01/23 14:30	250
m-Xylene & p-Xylene	**34.9**		0.998		mg/Kg		05/31/23 12:00	06/01/23 14:30	250
o-Xylene	**13.2**		0.499		mg/Kg		05/31/23 12:00	06/01/23 14:30	250
Xylenes, Total	**48.1**		0.998		mg/Kg		05/31/23 12:00	06/01/23 14:30	250

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*05/31/23 12:00*	*06/01/23 14:30*	*250*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*05/31/23 12:00*	*06/01/23 14:30*	*250*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**154**		0.998		mg/Kg			06/01/23 16:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**12400**		498		mg/Kg			05/30/23 11:11	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	**1060**		498		mg/Kg		05/26/23 17:23	05/29/23 02:35	10
Diesel Range Organics (Over C10-C28)	**11300**		498		mg/Kg		05/26/23 17:23	05/29/23 02:35	10
Oil Range Organics (Over C28-C36)	<498	U	498		mg/Kg		05/26/23 17:23	05/29/23 02:35	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*05/26/23 17:23*	*05/29/23 02:35*	*10*
o-Terphenyl	*161*	*S1+*	*70 - 130*	*05/26/23 17:23*	*05/29/23 02:35*	*10*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**940**		25.2		mg/Kg			05/30/23 20:02	5

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-28860-14
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.198	U	0.198		mg/Kg		05/30/23 09:50	05/31/23 21:10	100
Toluene	**7.35**		0.198		mg/Kg		05/30/23 09:50	05/31/23 21:10	100
Ethylbenzene	**7.78**		0.198		mg/Kg		05/30/23 09:50	05/31/23 21:10	100
m-Xylene & p-Xylene	**12.1**		0.396		mg/Kg		05/30/23 09:50	05/31/23 21:10	100
o-Xylene	**5.59**		0.198		mg/Kg		05/30/23 09:50	05/31/23 21:10	100
Xylenes, Total	**17.7**		0.396		mg/Kg		05/30/23 09:50	05/31/23 21:10	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*68*	*S1-*	*70 - 130*	*05/30/23 09:50*	*05/31/23 21:10*	*100*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*05/30/23 09:50*	*05/31/23 21:10*	*100*

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-28860-14
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**32.8**		0.396		mg/Kg			06/01/23 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1500**		49.9		mg/Kg			05/30/23 11:11	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	**91.1**		49.9		mg/Kg		05/26/23 17:23	05/29/23 03:16	1
Diesel Range Organics (Over C10-C28)	**1410**		49.9		mg/Kg		05/26/23 17:23	05/29/23 03:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/26/23 17:23	05/29/23 03:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*05/26/23 17:23*	*05/29/23 03:16*	*1*
o-Terphenyl	*87*		*70 - 130*	*05/26/23 17:23*	*05/29/23 03:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**610**		24.9		mg/Kg			05/30/23 20:08	5

Client Sample ID: S-3 (2.0')

Lab Sample ID: 880-28860-15
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/26/23 15:37	05/28/23 04:54	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/26/23 15:37	05/28/23 04:54	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/26/23 15:37	05/28/23 04:54	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/26/23 15:37	05/28/23 04:54	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/26/23 15:37	05/28/23 04:54	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/26/23 15:37	05/28/23 04:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*	*05/26/23 15:37*	*05/28/23 04:54*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/26/23 15:37*	*05/28/23 04:54*	*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			05/30/23 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**140**		50.0		mg/Kg			05/30/23 11:11	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		05/26/23 17:23	05/29/23 03:37	1
Diesel Range Organics (Over C10-C28)	**140**		50.0		mg/Kg		05/26/23 17:23	05/29/23 03:37	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (2.0')

Lab Sample ID: 880-28860-15
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/23 17:23	05/29/23 03:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*05/26/23 17:23*	*05/29/23 03:37*	*1*
o-Terphenyl	*87*		*70 - 130*	*05/26/23 17:23*	*05/29/23 03:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**574**		25.0		mg/Kg			05/30/23 20:13	5

Client Sample ID: S-3 (3.0')

Lab Sample ID: 880-28860-16
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/26/23 15:37	05/28/23 05:15	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/26/23 15:37	05/28/23 05:15	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/26/23 15:37	05/28/23 05:15	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/26/23 15:37	05/28/23 05:15	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/26/23 15:37	05/28/23 05:15	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/26/23 15:37	05/28/23 05:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*05/26/23 15:37*	*05/28/23 05:15*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/26/23 15:37*	*05/28/23 05:15*	*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			05/30/23 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**67.8**		49.8		mg/Kg			05/30/23 11:11	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		05/26/23 17:23	05/29/23 03:57	1
Diesel Range Organics (Over C10-C28)	**67.8**		49.8		mg/Kg		05/26/23 17:23	05/29/23 03:57	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/26/23 17:23	05/29/23 03:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*05/26/23 17:23*	*05/29/23 03:57*	*1*
o-Terphenyl	*85*		*70 - 130*	*05/26/23 17:23*	*05/29/23 03:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1050**	**F1**	25.0		mg/Kg			05/30/23 20:18	5

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (4.0')

Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-17

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		05/26/23 15:37	05/28/23 05:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/26/23 15:37	05/28/23 05:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/26/23 15:37	05/28/23 05:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/26/23 15:37	05/28/23 05:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/26/23 15:37	05/28/23 05:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/26/23 15:37	05/28/23 05:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*05/26/23 15:37*	*05/28/23 05:35*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/26/23 15:37*	*05/28/23 05:35*	*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			05/30/23 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**56.2**		49.8		mg/Kg			05/30/23 11:11	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		05/26/23 17:23	05/29/23 04:18	1
Diesel Range Organics (Over C10-C28)	**56.2**		49.8		mg/Kg		05/26/23 17:23	05/29/23 04:18	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/26/23 17:23	05/29/23 04:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*05/26/23 17:23*	*05/29/23 04:18*	*1*
o-Terphenyl	*87*		*70 - 130*	*05/26/23 17:23*	*05/29/23 04:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1680**		25.0		mg/Kg			05/30/23 20:34	5

Client Sample ID: S-3 (5.0')

Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-18

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		05/26/23 15:37	05/28/23 05:55	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/26/23 15:37	05/28/23 05:55	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/26/23 15:37	05/28/23 05:55	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/26/23 15:37	05/28/23 05:55	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/26/23 15:37	05/28/23 05:55	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/26/23 15:37	05/28/23 05:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*05/26/23 15:37*	*05/28/23 05:55*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/26/23 15:37*	*05/28/23 05:55*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (5.0')

Lab Sample ID: 880-28860-18
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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			05/30/23 09:08	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			05/30/23 11:11	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		05/26/23 17:23	05/29/23 04:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/26/23 17:23	05/29/23 04:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/26/23 17:23	05/29/23 04:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*05/26/23 17:23*	*05/29/23 04:38*	*1*
o-Terphenyl	*87*		*70 - 130*	*05/26/23 17:23*	*05/29/23 04:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1400**		24.8		mg/Kg			05/30/23 20:40	5

Client Sample ID: S-4 (0-1.0')

Lab Sample ID: 880-28860-19
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/26/23 15:37	05/28/23 06:16	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/26/23 15:37	05/28/23 06:16	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/26/23 15:37	05/28/23 06:16	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/26/23 15:37	05/28/23 06:16	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/26/23 15:37	05/28/23 06:16	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/26/23 15:37	05/28/23 06:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*05/26/23 15:37*	*05/28/23 06:16*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/26/23 15:37*	*05/28/23 06:16*	*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			05/30/23 09:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**81.1**		49.8		mg/Kg			05/30/23 11:11	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		05/26/23 17:23	05/29/23 04:59	1
Diesel Range Organics (Over C10-C28)	**81.1**		49.8		mg/Kg		05/26/23 17:23	05/29/23 04:59	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-4 (0-1.0')

Lab Sample ID: 880-28860-19
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/26/23 17:23	05/29/23 04:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*05/26/23 17:23*	*05/29/23 04:59*	*1*
o-Terphenyl	*77*		*70 - 130*	*05/26/23 17:23*	*05/29/23 04:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**239**		4.98		mg/Kg			05/30/23 20:56	1

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-28860-20
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/26/23 15:37	05/28/23 06:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/26/23 15:37	05/28/23 06:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/26/23 15:37	05/28/23 06:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/26/23 15:37	05/28/23 06:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/26/23 15:37	05/28/23 06:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/26/23 15:37	05/28/23 06:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*05/26/23 15:37*	*05/28/23 06:36*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*05/26/23 15:37*	*05/28/23 06:36*	*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			05/30/23 09:08	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			05/30/23 11:11	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		05/26/23 17:23	05/29/23 05:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/26/23 17:23	05/29/23 05:20	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/26/23 17:23	05/29/23 05:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*05/26/23 17:23*	*05/29/23 05:20*	*1*
o-Terphenyl	*74*		*70 - 130*	*05/26/23 17:23*	*05/29/23 05:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**211**		4.95		mg/Kg			05/30/23 21:01	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-4 (2.0')

Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-21

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+ F1 F2	0.00199		mg/Kg		05/27/23 13:05	05/30/23 13:22	1
Toluene	<0.00199	U F1	0.00199		mg/Kg		05/27/23 13:05	05/30/23 13:22	1
Ethylbenzene	<0.00199	U F1	0.00199		mg/Kg		05/27/23 13:05	05/30/23 13:22	1
m-Xylene & p-Xylene	<0.00398	U F1	0.00398		mg/Kg		05/27/23 13:05	05/30/23 13:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/27/23 13:05	05/30/23 13:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/27/23 13:05	05/30/23 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*05/27/23 13:05*	*05/30/23 13:22*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/27/23 13:05*	*05/30/23 13:22*	*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			05/31/23 11:47	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			05/30/23 11:10	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		05/26/23 17:29	05/28/23 11:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U *-	49.9		mg/Kg		05/26/23 17:29	05/28/23 11:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/26/23 17:29	05/28/23 11:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*05/26/23 17:29*	*05/28/23 11:53*	*1*
o-Terphenyl	*86*		*70 - 130*	*05/26/23 17:29*	*05/28/23 11:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**174**		4.96		mg/Kg			05/30/23 21:07	1

Client Sample ID: S-4 (3.0')

Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-22

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		05/27/23 13:05	05/30/23 13:43	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/27/23 13:05	05/30/23 13:43	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/27/23 13:05	05/30/23 13:43	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/27/23 13:05	05/30/23 13:43	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/27/23 13:05	05/30/23 13:43	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/27/23 13:05	05/30/23 13:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*05/27/23 13:05*	*05/30/23 13:43*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*05/27/23 13:05*	*05/30/23 13:43*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-4 (3.0')

Lab Sample ID: 880-28860-22
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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			05/31/23 11:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**103**		49.9		mg/Kg			05/30/23 11:10	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		05/26/23 17:29	05/28/23 12:59	1
Diesel Range Organics (Over C10-C28)	**103**	***-**	49.9		mg/Kg		05/26/23 17:29	05/28/23 12:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/26/23 17:29	05/28/23 12:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*05/26/23 17:29*	*05/28/23 12:59*	*1*
o-Terphenyl	*85*		*70 - 130*	*05/26/23 17:29*	*05/28/23 12:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**167**		5.04		mg/Kg			05/30/23 21:12	1

Client Sample ID: S-4 (4.0')

Lab Sample ID: 880-28860-23
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/27/23 13:05	05/30/23 14:03	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/27/23 13:05	05/30/23 14:03	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/27/23 13:05	05/30/23 14:03	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/27/23 13:05	05/30/23 14:03	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/27/23 13:05	05/30/23 14:03	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/27/23 13:05	05/30/23 14:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*05/27/23 13:05*	*05/30/23 14:03*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/27/23 13:05*	*05/30/23 14:03*	*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			05/31/23 11:47	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			05/30/23 11:10	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		05/26/23 17:29	05/28/23 13:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U *-	50.0		mg/Kg		05/26/23 17:29	05/28/23 13:21	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-4 (4.0')

Lab Sample ID: 880-28860-23
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/23 17:29	05/28/23 13:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*05/26/23 17:29*	*05/28/23 13:21*	*1*
o-Terphenyl	*88*		*70 - 130*	*05/26/23 17:29*	*05/28/23 13:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**809**		5.01		mg/Kg			05/30/23 21:17	1

Client Sample ID: S-4 (5.0')

Lab Sample ID: 880-28860-24
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/27/23 13:05	05/30/23 14:24	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/27/23 13:05	05/30/23 14:24	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/27/23 13:05	05/30/23 14:24	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/27/23 13:05	05/30/23 14:24	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/27/23 13:05	05/30/23 14:24	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/27/23 13:05	05/30/23 14:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*05/27/23 13:05*	*05/30/23 14:24*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*05/27/23 13:05*	*05/30/23 14:24*	*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			05/31/23 11:47	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			05/30/23 11:10	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		05/26/23 17:29	05/28/23 13:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U *-	50.0		mg/Kg		05/26/23 17:29	05/28/23 13:42	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/23 17:29	05/28/23 13:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*05/26/23 17:29*	*05/28/23 13:42*	*1*
o-Terphenyl	*80*		*70 - 130*	*05/26/23 17:29*	*05/28/23 13:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**199**		4.98		mg/Kg			05/30/23 21:23	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-5 (0-1.0')

Lab Sample ID: 880-28860-25
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/27/23 13:05	05/30/23 14:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/27/23 13:05	05/30/23 14:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/27/23 13:05	05/30/23 14:44	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/27/23 13:05	05/30/23 14:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/27/23 13:05	05/30/23 14:44	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/27/23 13:05	05/30/23 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*05/27/23 13:05*	*05/30/23 14:44*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/27/23 13:05*	*05/30/23 14:44*	*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			05/31/23 11:47	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			05/30/23 11:10	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		05/26/23 17:29	05/28/23 14:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U *-	50.0		mg/Kg		05/26/23 17:29	05/28/23 14:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/23 17:29	05/28/23 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*05/26/23 17:29*	*05/28/23 14:04*	*1*
o-Terphenyl	*83*		*70 - 130*	*05/26/23 17:29*	*05/28/23 14:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**119**		5.00		mg/Kg			05/30/23 21:28	1

Client Sample ID: S-5 (1.5')

Lab Sample ID: 880-28860-26
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/27/23 13:05	05/30/23 15:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/27/23 13:05	05/30/23 15:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/27/23 13:05	05/30/23 15:05	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/27/23 13:05	05/30/23 15:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/27/23 13:05	05/30/23 15:05	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/27/23 13:05	05/30/23 15:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*05/27/23 13:05*	*05/30/23 15:05*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/27/23 13:05*	*05/30/23 15:05*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-5 (1.5')

Lab Sample ID: 880-28860-26
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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			05/31/23 11:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/30/23 11:10	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		05/26/23 17:29	05/28/23 14:26	1
Diesel Range Organics (Over C10-C28)	<49.8	U *-	49.8		mg/Kg		05/26/23 17:29	05/28/23 14:26	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/26/23 17:29	05/28/23 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*05/26/23 17:29*	*05/28/23 14:26*	*1*
o-Terphenyl	*94*		*70 - 130*	*05/26/23 17:29*	*05/28/23 14:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**191**	**F1**	4.97		mg/Kg			05/30/23 18:24	1

Client Sample ID: S-5 (2.0')

Lab Sample ID: 880-28860-27
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/27/23 13:05	05/30/23 15:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/27/23 13:05	05/30/23 15:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/27/23 13:05	05/30/23 15:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/27/23 13:05	05/30/23 15:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/27/23 13:05	05/30/23 15:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/27/23 13:05	05/30/23 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*05/27/23 13:05*	*05/30/23 15:25*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*05/27/23 13:05*	*05/30/23 15:25*	*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			05/31/23 11:47	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			05/30/23 11:10	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		05/26/23 17:29	05/28/23 14:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U *-	49.9		mg/Kg		05/26/23 17:29	05/28/23 14:48	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-5 (2.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-27
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/26/23 17:29	05/28/23 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*05/26/23 17:29*	*05/28/23 14:48*	*1*
o-Terphenyl	*85*		*70 - 130*	*05/26/23 17:29*	*05/28/23 14:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**843**		5.03		mg/Kg			05/30/23 18:40	1

Client Sample ID: S-5 (3.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-28
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		05/27/23 13:05	05/30/23 15:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/27/23 13:05	05/30/23 15:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/27/23 13:05	05/30/23 15:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/27/23 13:05	05/30/23 15:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/27/23 13:05	05/30/23 15:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/27/23 13:05	05/30/23 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*05/27/23 13:05*	*05/30/23 15:46*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*05/27/23 13:05*	*05/30/23 15:46*	*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			05/31/23 11:47	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			05/30/23 11:10	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		05/26/23 17:29	05/28/23 15:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U *-	49.9		mg/Kg		05/26/23 17:29	05/28/23 15:10	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/26/23 17:29	05/28/23 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*05/26/23 17:29*	*05/28/23 15:10*	*1*
o-Terphenyl	*86*		*70 - 130*	*05/26/23 17:29*	*05/28/23 15:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**267**		5.02		mg/Kg			05/30/23 18:45	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-5 (4.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-29
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		05/27/23 13:05	05/30/23 16:06	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/27/23 13:05	05/30/23 16:06	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/27/23 13:05	05/30/23 16:06	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/27/23 13:05	05/30/23 16:06	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/27/23 13:05	05/30/23 16:06	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/27/23 13:05	05/30/23 16:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*05/27/23 13:05*	*05/30/23 16:06*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/27/23 13:05*	*05/30/23 16:06*	*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			05/31/23 11:47	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			05/30/23 11:10	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		05/26/23 17:29	05/28/23 15:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U *-	49.9		mg/Kg		05/26/23 17:29	05/28/23 15:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/26/23 17:29	05/28/23 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*05/26/23 17:29*	*05/28/23 15:32*	*1*
o-Terphenyl	*78*		*70 - 130*	*05/26/23 17:29*	*05/28/23 15:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**121**		4.97		mg/Kg			05/30/23 18:51	1

Client Sample ID: S-5 (5.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-30
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		05/27/23 13:05	05/30/23 16:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/27/23 13:05	05/30/23 16:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/27/23 13:05	05/30/23 16:26	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/27/23 13:05	05/30/23 16:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/27/23 13:05	05/30/23 16:26	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/27/23 13:05	05/30/23 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*05/27/23 13:05*	*05/30/23 16:26*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*05/27/23 13:05*	*05/30/23 16:26*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-5 (5.0')

Lab Sample ID: 880-28860-30
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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			05/31/23 11:47	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			05/30/23 11:10	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		05/26/23 17:29	05/28/23 15:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U *-	50.0		mg/Kg		05/26/23 17:29	05/28/23 15:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/23 17:29	05/28/23 15:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*05/26/23 17:29*	*05/28/23 15:54*	*1*
o-Terphenyl	*85*		*70 - 130*	*05/26/23 17:29*	*05/28/23 15:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**110**		5.01		mg/Kg			05/30/23 18:56	1

Client Sample ID: S-6 (0-1.0')

Lab Sample ID: 880-28860-31
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0502	U *+	0.0502		mg/Kg		05/27/23 13:05	05/30/23 21:21	25
Toluene	**0.0949**		0.0502		mg/Kg		05/27/23 13:05	05/30/23 21:21	25
Ethylbenzene	**0.813**		0.0502		mg/Kg		05/27/23 13:05	05/30/23 21:21	25
m-Xylene & p-Xylene	**1.47**		0.100		mg/Kg		05/27/23 13:05	05/30/23 21:21	25
o-Xylene	**0.928**		0.0502		mg/Kg		05/27/23 13:05	05/30/23 21:21	25
Xylenes, Total	**2.40**		0.100		mg/Kg		05/27/23 13:05	05/30/23 21:21	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*05/27/23 13:05*	*05/30/23 21:21*	*25*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*05/27/23 13:05*	*05/30/23 21:21*	*25*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**3.31**		0.100		mg/Kg			05/31/23 11:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**4650**		249		mg/Kg			05/30/23 11:10	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	<249	U *-	249		mg/Kg		05/26/23 17:29	05/28/23 16:38	5
Diesel Range Organics (Over C10-C28)	**4650**	*-	249		mg/Kg		05/26/23 17:29	05/28/23 16:38	5

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-6 (0-1.0')

Lab Sample ID: 880-28860-31
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<249	U	249		mg/Kg		05/26/23 17:29	05/28/23 16:38	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*05/26/23 17:29*	*05/28/23 16:38*	*5*
o-Terphenyl	*119*		*70 - 130*	*05/26/23 17:29*	*05/28/23 16:38*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**42.1**		4.95		mg/Kg			05/30/23 19:13	1

Client Sample ID: S-6 (1.5')

Lab Sample ID: 880-28860-32
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/27/23 13:05	05/30/23 18:18	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/27/23 13:05	05/30/23 18:18	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/27/23 13:05	05/30/23 18:18	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/27/23 13:05	05/30/23 18:18	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/27/23 13:05	05/30/23 18:18	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/27/23 13:05	05/30/23 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*05/27/23 13:05*	*05/30/23 18:18*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/27/23 13:05*	*05/30/23 18:18*	*1*

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			05/31/23 11:47	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			05/30/23 11:10	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		05/26/23 17:29	05/28/23 17:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U *-	50.0		mg/Kg		05/26/23 17:29	05/28/23 17:01	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/23 17:29	05/28/23 17:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*05/26/23 17:29*	*05/28/23 17:01*	*1*
o-Terphenyl	*100*		*70 - 130*	*05/26/23 17:29*	*05/28/23 17:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**45.7**		4.96		mg/Kg			05/30/23 19:18	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-6 (2.0')

Lab Sample ID: 880-28860-33
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/27/23 13:05	05/30/23 18:38	1
Toluene	**0.00216**		0.00202		mg/Kg		05/27/23 13:05	05/30/23 18:38	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/27/23 13:05	05/30/23 18:38	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/27/23 13:05	05/30/23 18:38	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/27/23 13:05	05/30/23 18:38	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/27/23 13:05	05/30/23 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*05/27/23 13:05*	*05/30/23 18:38*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/27/23 13:05*	*05/30/23 18:38*	*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			05/31/23 11:47	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			05/30/23 11:10	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		05/26/23 17:29	05/28/23 17:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U *-	50.0		mg/Kg		05/26/23 17:29	05/28/23 17:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/23 17:29	05/28/23 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*05/26/23 17:29*	*05/28/23 17:23*	*1*
o-Terphenyl	*93*		*70 - 130*	*05/26/23 17:29*	*05/28/23 17:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**442**		5.05		mg/Kg			05/30/23 19:23	1

Client Sample ID: S-6 (3.0')

Lab Sample ID: 880-28860-34
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/27/23 13:05	05/30/23 18:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/27/23 13:05	05/30/23 18:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/27/23 13:05	05/30/23 18:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/27/23 13:05	05/30/23 18:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/27/23 13:05	05/30/23 18:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/27/23 13:05	05/30/23 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*05/27/23 13:05*	*05/30/23 18:58*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/27/23 13:05*	*05/30/23 18:58*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-6 (3.0')

Lab Sample ID: 880-28860-34
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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			05/31/23 11:47	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			05/30/23 11:10	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		05/26/23 17:29	05/28/23 17:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U *-	49.9		mg/Kg		05/26/23 17:29	05/28/23 17:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/26/23 17:29	05/28/23 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*05/26/23 17:29*	*05/28/23 17:45*	*1*
o-Terphenyl	*98*		*70 - 130*	*05/26/23 17:29*	*05/28/23 17:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**485**		5.05		mg/Kg			05/30/23 19:29	1

Client Sample ID: S-6 (4.0')

Lab Sample ID: 880-28860-35
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/27/23 13:05	05/30/23 19:19	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/27/23 13:05	05/30/23 19:19	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/27/23 13:05	05/30/23 19:19	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/27/23 13:05	05/30/23 19:19	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/27/23 13:05	05/30/23 19:19	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/27/23 13:05	05/30/23 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*05/27/23 13:05*	*05/30/23 19:19*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*05/27/23 13:05*	*05/30/23 19:19*	*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			05/31/23 11:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/30/23 11:10	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		05/26/23 17:29	05/28/23 18:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U *-	49.8		mg/Kg		05/26/23 17:29	05/28/23 18:07	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-6 (4.0')

Lab Sample ID: 880-28860-35
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/26/23 17:29	05/28/23 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*05/26/23 17:29*	*05/28/23 18:07*	*1*
o-Terphenyl	*81*		*70 - 130*	*05/26/23 17:29*	*05/28/23 18:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**564**		4.98		mg/Kg			05/30/23 19:34	1

Client Sample ID: S-6 (5.0')

Lab Sample ID: 880-28860-36
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/27/23 13:05	05/30/23 19:39	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/27/23 13:05	05/30/23 19:39	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/27/23 13:05	05/30/23 19:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/27/23 13:05	05/30/23 19:39	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/27/23 13:05	05/30/23 19:39	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/27/23 13:05	05/30/23 19:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*05/27/23 13:05*	*05/30/23 19:39*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/27/23 13:05*	*05/30/23 19:39*	*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			05/31/23 11:47	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			05/30/23 11:10	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		05/26/23 17:29	05/28/23 18:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U *-	49.9		mg/Kg		05/26/23 17:29	05/28/23 18:30	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/26/23 17:29	05/28/23 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*05/26/23 17:29*	*05/28/23 18:30*	*1*
o-Terphenyl	*97*		*70 - 130*	*05/26/23 17:29*	*05/28/23 18:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**339**	**F1**	5.03		mg/Kg			05/30/23 19:40	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-7 (0-1.0')

Lab Sample ID: 880-28860-37
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/27/23 13:05	05/30/23 20:00	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/27/23 13:05	05/30/23 20:00	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/27/23 13:05	05/30/23 20:00	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/27/23 13:05	05/30/23 20:00	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/27/23 13:05	05/30/23 20:00	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/27/23 13:05	05/30/23 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*05/27/23 13:05*	*05/30/23 20:00*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/27/23 13:05*	*05/30/23 20:00*	*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			05/31/23 11:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**235**		49.9		mg/Kg			05/30/23 11:10	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		05/26/23 17:29	05/28/23 18:52	1
Diesel Range Organics (Over C10-C28)	**235**	*-	49.9		mg/Kg		05/26/23 17:29	05/28/23 18:52	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/26/23 17:29	05/28/23 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*05/26/23 17:29*	*05/28/23 18:52*	*1*
o-Terphenyl	*80*		*70 - 130*	*05/26/23 17:29*	*05/28/23 18:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**332**		5.01		mg/Kg			05/30/23 19:56	1

Client Sample ID: S-7 (1.5')

Lab Sample ID: 880-28860-38
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/27/23 13:05	05/30/23 20:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/27/23 13:05	05/30/23 20:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/27/23 13:05	05/30/23 20:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/27/23 13:05	05/30/23 20:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/27/23 13:05	05/30/23 20:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/27/23 13:05	05/30/23 20:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*05/27/23 13:05*	*05/30/23 20:20*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/27/23 13:05*	*05/30/23 20:20*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-7 (1.5')

Lab Sample ID: 880-28860-38
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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			05/31/23 11:47	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			05/30/23 11:10	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		05/26/23 17:29	05/28/23 19:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U *-	50.0		mg/Kg		05/26/23 17:29	05/28/23 19:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/23 17:29	05/28/23 19:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*05/26/23 17:29*	*05/28/23 19:14*	*1*
o-Terphenyl	*100*		*70 - 130*	*05/26/23 17:29*	*05/28/23 19:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**264**		4.97		mg/Kg			05/30/23 20:01	1

Client Sample ID: S-7 (2.0')

Lab Sample ID: 880-28860-39
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/27/23 13:05	05/30/23 20:40	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/27/23 13:05	05/30/23 20:40	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/27/23 13:05	05/30/23 20:40	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/27/23 13:05	05/30/23 20:40	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/27/23 13:05	05/30/23 20:40	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/27/23 13:05	05/30/23 20:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*05/27/23 13:05*	*05/30/23 20:40*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*05/27/23 13:05*	*05/30/23 20:40*	*1*

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			05/31/23 11:47	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			05/30/23 11:10	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		05/26/23 17:29	05/28/23 19:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U *-	50.0		mg/Kg		05/26/23 17:29	05/28/23 19:36	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-7 (2.0')

Lab Sample ID: 880-28860-39
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/23 17:29	05/28/23 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*05/26/23 17:29*	*05/28/23 19:36*	*1*
o-Terphenyl	*75*		*70 - 130*	*05/26/23 17:29*	*05/28/23 19:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1390**		4.96		mg/Kg			05/30/23 20:18	1

Client Sample ID: S-7 (3.0')

Lab Sample ID: 880-28860-40
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/27/23 13:05	05/30/23 21:01	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/27/23 13:05	05/30/23 21:01	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/27/23 13:05	05/30/23 21:01	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/27/23 13:05	05/30/23 21:01	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/27/23 13:05	05/30/23 21:01	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/27/23 13:05	05/30/23 21:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*05/27/23 13:05*	*05/30/23 21:01*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/27/23 13:05*	*05/30/23 21:01*	*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			05/31/23 11:47	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			05/30/23 11:10	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		05/26/23 17:29	05/28/23 19:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U *-	49.9		mg/Kg		05/26/23 17:29	05/28/23 19:58	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/26/23 17:29	05/28/23 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*05/26/23 17:29*	*05/28/23 19:58*	*1*
o-Terphenyl	*85*		*70 - 130*	*05/26/23 17:29*	*05/28/23 19:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**76.4**		5.03		mg/Kg			05/30/23 20:23	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-7 (4.0')

Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-41

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		05/30/23 09:26	05/31/23 04:35	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/30/23 09:26	05/31/23 04:35	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/30/23 09:26	05/31/23 04:35	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/30/23 09:26	05/31/23 04:35	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/30/23 09:26	05/31/23 04:35	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/30/23 09:26	05/31/23 04:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*05/30/23 09:26*	*05/31/23 04:35*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/30/23 09:26*	*05/31/23 04:35*	*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			05/31/23 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			05/30/23 09:23	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		05/26/23 17:20	05/28/23 17:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/26/23 17:20	05/28/23 17:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/26/23 17:20	05/28/23 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*05/26/23 17:20*	*05/28/23 17:23*	*1*
o-Terphenyl	*77*		*70 - 130*	*05/26/23 17:20*	*05/28/23 17:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**76.8**		5.02		mg/Kg			05/30/23 20:29	1

Client Sample ID: S-7 (5.0')

Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-42

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		05/30/23 09:26	05/31/23 04:56	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/30/23 09:26	05/31/23 04:56	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/30/23 09:26	05/31/23 04:56	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/30/23 09:26	05/31/23 04:56	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/30/23 09:26	05/31/23 04:56	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/30/23 09:26	05/31/23 04:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*05/30/23 09:26*	*05/31/23 04:56*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/30/23 09:26*	*05/31/23 04:56*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-7 (5.0')

Lab Sample ID: 880-28860-42
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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			05/31/23 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			05/30/23 09:23	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		05/26/23 17:20	05/28/23 17:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/26/23 17:20	05/28/23 17:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/26/23 17:20	05/28/23 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*05/26/23 17:20*	*05/28/23 17:45*	*1*
o-Terphenyl	*77*		*70 - 130*	*05/26/23 17:20*	*05/28/23 17:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**131**		4.99		mg/Kg			05/30/23 20:34	1

Client Sample ID: S-8 (0-1.0')

Lab Sample ID: 880-28860-43
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/30/23 09:26	05/31/23 05:16	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/30/23 09:26	05/31/23 05:16	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/30/23 09:26	05/31/23 05:16	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/30/23 09:26	05/31/23 05:16	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/30/23 09:26	05/31/23 05:16	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/30/23 09:26	05/31/23 05:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*05/30/23 09:26*	*05/31/23 05:16*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*05/30/23 09:26*	*05/31/23 05:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/31/23 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	**460**		50.0		mg/Kg			05/30/23 09:23	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		05/26/23 17:20	05/28/23 18:07	1
Diesel Range Organics (Over C10-C28)	**400**		50.0		mg/Kg		05/26/23 17:20	05/28/23 18:07	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-8 (0-1.0')

Lab Sample ID: 880-28860-43
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	60.1		50.0		mg/Kg		05/26/23 17:20	05/28/23 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*05/26/23 17:20*	*05/28/23 18:07*	*1*
o-Terphenyl	*98*		*70 - 130*	*05/26/23 17:20*	*05/28/23 18:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	305		24.9		mg/Kg			05/30/23 20:39	5

Client Sample ID: S-8 (1.5')

Lab Sample ID: 880-28860-44
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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		05/30/23 09:26	05/31/23 05:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:26	05/31/23 05:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:26	05/31/23 05:37	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/30/23 09:26	05/31/23 05:37	1
o-Xylene	0.00334		0.00200		mg/Kg		05/30/23 09:26	05/31/23 05:37	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/30/23 09:26	05/31/23 05:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*05/30/23 09:26*	*05/31/23 05:37*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*05/30/23 09:26*	*05/31/23 05:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/31/23 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			05/30/23 09:23	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		05/26/23 17:20	05/28/23 18:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/26/23 17:20	05/28/23 18:30	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/23 17:20	05/28/23 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*05/26/23 17:20*	*05/28/23 18:30*	*1*
o-Terphenyl	*79*		*70 - 130*	*05/26/23 17:20*	*05/28/23 18:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.6		5.00		mg/Kg			05/30/23 20:45	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-8 (2.0')

Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-45

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		05/30/23 09:26	05/31/23 05:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:26	05/31/23 05:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:26	05/31/23 05:57	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/30/23 09:26	05/31/23 05:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:26	05/31/23 05:57	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/30/23 09:26	05/31/23 05:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*05/30/23 09:26*	*05/31/23 05:57*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*05/30/23 09:26*	*05/31/23 05:57*	*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			05/31/23 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			05/30/23 09:23	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		05/26/23 17:20	05/28/23 18:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/26/23 17:20	05/28/23 18:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/26/23 17:20	05/28/23 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*68*	*S1-*	*70 - 130*	*05/26/23 17:20*	*05/28/23 18:52*	*1*
o-Terphenyl	*63*	*S1-*	*70 - 130*	*05/26/23 17:20*	*05/28/23 18:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**47.4**		5.00		mg/Kg			05/30/23 20:50	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
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)
880-28859-A-1-E MS	Matrix Spike	93	113
880-28859-A-1-F MSD	Matrix Spike Duplicate	101	97
880-28860-1	S-1 (0-1.0')	83	92
880-28860-1 MS	S-1 (0-1.0')	103	99
880-28860-1 MSD	S-1 (0-1.0')	98	111
880-28860-2	S-1 (1.5')	98	89
880-28860-3	S-1 (2.0')	103	91
880-28860-4	S-1 (3.0')	102	86
880-28860-5	S-1 (4.0')	105	92
880-28860-6	S-1 (5.0')	97	96
880-28860-7	S-2 (0-1.0')	93	90
880-28860-8	S-2 (1.5')	98	97
880-28860-9	S-2 (2.0')	93	85
880-28860-10	S-2 (3.0')	96	91
880-28860-11	S-2 (4.0')	81	85
880-28860-12	S-2 (5.0')	86	103
880-28860-13	S-3 (0-1.0')	94	115
880-28860-14	S-3 (1.5')	68 S1-	72
880-28860-15	S-3 (2.0')	80	97
880-28860-16	S-3 (3.0')	86	99
880-28860-17	S-3 (4.0')	92	93
880-28860-18	S-3 (5.0')	92	94
880-28860-19	S-4 (0-1.0')	91	96
880-28860-20	S-4 (1.5')	92	92
880-28860-21	S-4 (2.0')	89	93
880-28860-21 MS	S-4 (2.0')	97	118
880-28860-21 MSD	S-4 (2.0')	94	102
880-28860-22	S-4 (3.0')	85	92
880-28860-23	S-4 (4.0')	104	96
880-28860-24	S-4 (5.0')	84	90
880-28860-25	S-5 (0-1.0')	93	93
880-28860-26	S-5 (1.5')	96	98
880-28860-27	S-5 (2.0')	97	90
880-28860-28	S-5 (3.0')	100	91
880-28860-29	S-5 (4.0')	93	96
880-28860-30	S-5 (5.0')	89	91
880-28860-31	S-6 (0-1.0')	105	85
880-28860-32	S-6 (1.5')	88	94
880-28860-33	S-6 (2.0')	88	98
880-28860-34	S-6 (3.0')	90	102
880-28860-35	S-6 (4.0')	93	92
880-28860-36	S-6 (5.0')	87	93
880-28860-37	S-7 (0-1.0')	93	100
880-28860-38	S-7 (1.5')	92	96
880-28860-39	S-7 (2.0')	87	100
880-28860-40	S-7 (3.0')	89	96
880-28860-41	S-7 (4.0')	106	96
880-28860-42	S-7 (5.0')	98	98
880-28860-43	S-8 (0-1.0')	122	91

Surrogate Summary

Client: Carmona Resources
Job ID: 880-28860-1
Project/Site: Lear State #2H (4.17.23)
SDG: Lea County, New Mexico

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-28860-44	S-8 (1.5')	116	103
880-28860-45	S-8 (2.0')	85	75
880-28928-A-2-D MS	Matrix Spike	88	117
880-28928-A-2-E MSD	Matrix Spike Duplicate	90	113
890-4735-A-29-D MS	Matrix Spike	88	115
890-4735-A-29-E MSD	Matrix Spike Duplicate	90	113
LCS 880-54264/1-A	Lab Control Sample	91	93
LCS 880-54319/1-A	Lab Control Sample	96	107
LCS 880-54363/1-A	Lab Control Sample	108	112
LCS 880-54366/1-A	Lab Control Sample	99	97
LCS 880-54490/1-A	Lab Control Sample	114	110
LCSD 880-54264/2-A	Lab Control Sample Dup	87	111
LCSD 880-54319/2-A	Lab Control Sample Dup	97	99
LCSD 880-54363/2-A	Lab Control Sample Dup	108	106
LCSD 880-54366/2-A	Lab Control Sample Dup	99	100
LCSD 880-54490/2-A	Lab Control Sample Dup	112	111
MB 880-54106/5-A	Method Blank	93	98
MB 880-54264/5-A	Method Blank	90	104
MB 880-54319/5-A	Method Blank	96	95
MB 880-54363/5-A	Method Blank	72	84
MB 880-54365/5-A	Method Blank	90	109
MB 880-54366/5-A	Method Blank	92	102
MB 880-54490/5-A	Method Blank	67 S1-	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)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-28857-A-1-C MS	Matrix Spike	91	81
880-28857-A-1-D MSD	Matrix Spike Duplicate	98	85
880-28860-1	S-1 (0-1.0')	91	86
880-28860-2	S-1 (1.5')	81	81
880-28860-2 MS	S-1 (1.5')	83	73
880-28860-2 MSD	S-1 (1.5')	88	77
880-28860-3	S-1 (2.0')	82	82
880-28860-4	S-1 (3.0')	80	78
880-28860-5	S-1 (4.0')	85	82
880-28860-6	S-1 (5.0')	85	85
880-28860-7	S-2 (0-1.0')	90	89
880-28860-8	S-2 (1.5')	93	94
880-28860-9	S-2 (2.0')	87	85
880-28860-10	S-2 (3.0')	88	89
880-28860-11	S-2 (4.0')	82	80
880-28860-12	S-2 (5.0')	88	88
880-28860-13	S-3 (0-1.0')	109	161 S1+

Surrogate Summary

Client: Carmona Resources
Job ID: 880-28860-1
Project/Site: Lear State #2H (4.17.23)
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)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-28860-14	S-3 (1.5')	91	87
880-28860-15	S-3 (2.0')	88	87
880-28860-16	S-3 (3.0')	87	85
880-28860-17	S-3 (4.0')	88	87
880-28860-18	S-3 (5.0')	87	87
880-28860-19	S-4 (0-1.0')	80	77
880-28860-20	S-4 (1.5')	79	74
880-28860-21	S-4 (2.0')	84	86
880-28860-21 MS	S-4 (2.0')	85	75
880-28860-21 MSD	S-4 (2.0')	83	73
880-28860-22	S-4 (3.0')	84	85
880-28860-23	S-4 (4.0')	87	88
880-28860-24	S-4 (5.0')	81	80
880-28860-25	S-5 (0-1.0')	82	83
880-28860-26	S-5 (1.5')	93	94
880-28860-27	S-5 (2.0')	83	85
880-28860-28	S-5 (3.0')	84	86
880-28860-29	S-5 (4.0')	81	78
880-28860-30	S-5 (5.0')	83	85
880-28860-31	S-6 (0-1.0')	99	119
880-28860-32	S-6 (1.5')	97	100
880-28860-33	S-6 (2.0')	89	93
880-28860-34	S-6 (3.0')	97	98
880-28860-35	S-6 (4.0')	80	81
880-28860-36	S-6 (5.0')	96	97
880-28860-37	S-7 (0-1.0')	81	80
880-28860-38	S-7 (1.5')	98	100
880-28860-39	S-7 (2.0')	75	75
880-28860-40	S-7 (3.0')	84	85
880-28860-41	S-7 (4.0')	81	77
880-28860-42	S-7 (5.0')	81	77
880-28860-43	S-8 (0-1.0')	99	98
880-28860-44	S-8 (1.5')	84	79
880-28860-45	S-8 (2.0')	68 S1-	63 S1-
LCS 880-54278/2-A	Lab Control Sample	99	91
LCS 880-54285/2-A	Lab Control Sample	113	109
LCS 880-54288/2-A	Lab Control Sample	98	101
LCSD 880-54278/3-A	Lab Control Sample Dup	101	95
LCSD 880-54285/3-A	Lab Control Sample Dup	91	89
LCSD 880-54288/3-A	Lab Control Sample Dup	92	95
MB 880-54278/1-A	Method Blank	91	90
MB 880-54285/1-A	Method Blank	95	94
MB 880-54288/1-A	Method Blank	84	87

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-54106/5-A
Matrix: Solid
Analysis Batch: 54208

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 54106

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/24/23 16:22	05/26/23 23:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/24/23 16:22	05/26/23 23:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/24/23 16:22	05/26/23 23:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/24/23 16:22	05/26/23 23:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/24/23 16:22	05/26/23 23:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/24/23 16:22	05/26/23 23:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*05/24/23 16:22*	*05/26/23 23:38*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/24/23 16:22*	*05/26/23 23:38*	*1*

Lab Sample ID: MB 880-54264/5-A
Matrix: Solid
Analysis Batch: 54208

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 54264

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/26/23 15:37	05/27/23 22:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/26/23 15:37	05/27/23 22:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/26/23 15:37	05/27/23 22:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/26/23 15:37	05/27/23 22:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/26/23 15:37	05/27/23 22:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/26/23 15:37	05/27/23 22:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*05/26/23 15:37*	*05/27/23 22:51*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*05/26/23 15:37*	*05/27/23 22:51*	*1*

Lab Sample ID: LCS 880-54264/1-A
Matrix: Solid
Analysis Batch: 54208

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 54264

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1156		mg/Kg		116	70 - 130
Toluene	0.100	0.1127		mg/Kg		113	70 - 130
Ethylbenzene	0.100	0.09892		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.2048		mg/Kg		102	70 - 130
o-Xylene	0.100	0.09577		mg/Kg		96	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: LCSD 880-54264/2-A
Matrix: Solid
Analysis Batch: 54208

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 54264

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1444	*+	mg/Kg		144	70 - 130	22	35

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-54264/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 54208 — **Prep Batch: 54264**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1159		mg/Kg		116	70 - 130	3	35
Ethylbenzene			0.100	0.1021		mg/Kg		102	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.2058		mg/Kg		103	70 - 130	0	35
o-Xylene			0.100	0.09550		mg/Kg		95	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: 880-28860-1 MS — **Client Sample ID: S-1 (0-1.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 54208 — **Prep Batch: 54264**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U *+ F1	0.101	0.1409	F1	mg/Kg		139	70 - 130
Toluene	<0.00202	U	0.101	0.1231		mg/Kg		121	70 - 130
Ethylbenzene	<0.00202	U	0.101	0.1035		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	<0.00404	U	0.202	0.2108		mg/Kg		104	70 - 130
o-Xylene	<0.00202	U	0.101	0.1041		mg/Kg		102	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 880-28860-1 MSD — **Client Sample ID: S-1 (0-1.0')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 54208 — **Prep Batch: 54264**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U *+ F1	0.0992	0.1365	F1	mg/Kg		138	70 - 130	3	35
Toluene	<0.00202	U	0.0992	0.1170		mg/Kg		117	70 - 130	5	35
Ethylbenzene	<0.00202	U	0.0992	0.09775		mg/Kg		99	70 - 130	6	35
m-Xylene & p-Xylene	<0.00404	U	0.198	0.1989		mg/Kg		100	70 - 130	6	35
o-Xylene	<0.00202	U	0.0992	0.09749		mg/Kg		97	70 - 130	7	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: MB 880-54319/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 54338 — **Prep Batch: 54319**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/27/23 13:05	05/30/23 12:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/27/23 13:05	05/30/23 12:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/27/23 13:05	05/30/23 12:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/27/23 13:05	05/30/23 12:53	1

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-54319/5-A
Matrix: Solid
Analysis Batch: 54338

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 54319

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/27/23 13:05	05/30/23 12:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/27/23 13:05	05/30/23 12:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*05/27/23 13:05*	*05/30/23 12:53*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*05/27/23 13:05*	*05/30/23 12:53*	*1*

Lab Sample ID: LCS 880-54319/1-A
Matrix: Solid
Analysis Batch: 54338

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 54319

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1208		mg/Kg		121	70 - 130
Toluene	0.100	0.1003		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.1007		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	0.200	0.1836		mg/Kg		92	70 - 130
o-Xylene	0.100	0.08140		mg/Kg		81	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: LCSD 880-54319/2-A
Matrix: Solid
Analysis Batch: 54338

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 54319

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1400	*+	mg/Kg		140	70 - 130	15	35
Toluene	0.100	0.1206		mg/Kg		121	70 - 130	18	35
Ethylbenzene	0.100	0.1223		mg/Kg		122	70 - 130	19	35
m-Xylene & p-Xylene	0.200	0.2294		mg/Kg		115	70 - 130	22	35
o-Xylene	0.100	0.1004		mg/Kg		100	70 - 130	21	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 880-28860-21 MS
Matrix: Solid
Analysis Batch: 54338

Client Sample ID: S-4 (2.0')
Prep Type: Total/NA
Prep Batch: 54319

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U *+ F1 F2	0.101	0.2654	F1	mg/Kg		263	70 - 130
Toluene	<0.00199	U F1	0.101	0.1425	F1	mg/Kg		140	70 - 130
Ethylbenzene	<0.00199	U F1	0.101	0.1401	F1	mg/Kg		139	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.202	0.2697	F1	mg/Kg		133	70 - 130
o-Xylene	<0.00199	U	0.101	0.1190		mg/Kg		117	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-28860-21 MS
Matrix: Solid
Analysis Batch: 54338

Client Sample ID: S-4 (2.0')
Prep Type: Total/NA
Prep Batch: 54319

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*

Lab Sample ID: 880-28860-21 MSD
Matrix: Solid
Analysis Batch: 54338

Client Sample ID: S-4 (2.0')
Prep Type: Total/NA
Prep Batch: 54319

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U *+ F1 F2	0.0994	0.1480	F1 F2	mg/Kg		149	70 - 130	57	35
Toluene	<0.00199	U F1	0.0994	0.1263		mg/Kg		126	70 - 130	12	35
Ethylbenzene	<0.00199	U F1	0.0994	0.1178		mg/Kg		118	70 - 130	17	35
m-Xylene & p-Xylene	<0.00398	U F1	0.199	0.2292		mg/Kg		115	70 - 130	16	35
o-Xylene	<0.00199	U	0.0994	0.1040		mg/Kg		104	70 - 130	13	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: MB 880-54363/5-A
Matrix: Solid
Analysis Batch: 54337

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 54363

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:26	05/30/23 22:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:26	05/30/23 22:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:26	05/30/23 22:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/30/23 09:26	05/30/23 22:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:26	05/30/23 22:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/30/23 09:26	05/30/23 22:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*72*		*70 - 130*	*05/30/23 09:26*	*05/30/23 22:05*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*05/30/23 09:26*	*05/30/23 22:05*	*1*

Lab Sample ID: LCS 880-54363/1-A
Matrix: Solid
Analysis Batch: 54337

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 54363

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1290		mg/Kg		129	70 - 130		
Toluene			0.100	0.1206		mg/Kg		121	70 - 130		
Ethylbenzene			0.100	0.1185		mg/Kg		118	70 - 130		
m-Xylene & p-Xylene			0.200	0.2423		mg/Kg		121	70 - 130		
o-Xylene			0.100	0.1228		mg/Kg		123	70 - 130		

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

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-54363/1-A
Matrix: Solid
Analysis Batch: 54337

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 54363

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: LCSD 880-54363/2-A
Matrix: Solid
Analysis Batch: 54337

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 54363

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1226		mg/Kg		123	70 - 130	5	35
Toluene			0.100	0.1199		mg/Kg		120	70 - 130	1	35
Ethylbenzene			0.100	0.1196		mg/Kg		120	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.2450		mg/Kg		123	70 - 130	1	35
o-Xylene			0.100	0.1240		mg/Kg		124	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 890-4735-A-29-D MS
Matrix: Solid
Analysis Batch: 54337

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 54363

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00202	U	0.101	0.1299		mg/Kg		129	70 - 130		
Toluene	<0.00202	U	0.101	0.09912		mg/Kg		98	70 - 130		
Ethylbenzene	<0.00202	U	0.101	0.08906		mg/Kg		88	70 - 130		
m-Xylene & p-Xylene	<0.00404	U	0.202	0.1704		mg/Kg		84	70 - 130		
o-Xylene	<0.00202	U	0.101	0.08521		mg/Kg		84	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: 890-4735-A-29-E MSD
Matrix: Solid
Analysis Batch: 54337

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 54363

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0994	0.1167		mg/Kg		117	70 - 130	11	35
Toluene	<0.00202	U	0.0994	0.08963		mg/Kg		90	70 - 130	10	35
Ethylbenzene	<0.00202	U	0.0994	0.08060		mg/Kg		81	70 - 130	10	35
m-Xylene & p-Xylene	<0.00404	U	0.199	0.1535		mg/Kg		77	70 - 130	10	35
o-Xylene	<0.00202	U	0.0994	0.07682		mg/Kg		77	70 - 130	10	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-54365/5-A
Matrix: Solid
Analysis Batch: 54337

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 54365

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:40	05/30/23 11:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:40	05/30/23 11:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:40	05/30/23 11:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/30/23 09:40	05/30/23 11:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:40	05/30/23 11:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/30/23 09:40	05/30/23 11:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*05/30/23 09:40*	*05/30/23 11:30*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*05/30/23 09:40*	*05/30/23 11:30*	*1*

Lab Sample ID: MB 880-54366/5-A
Matrix: Solid
Analysis Batch: 54454

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 54366

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:50	05/31/23 12:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:50	05/31/23 12:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:50	05/31/23 12:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/30/23 09:50	05/31/23 12:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/30/23 09:50	05/31/23 12:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/30/23 09:50	05/31/23 12:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*05/30/23 09:50*	*05/31/23 12:43*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/30/23 09:50*	*05/31/23 12:43*	*1*

Lab Sample ID: LCS 880-54366/1-A
Matrix: Solid
Analysis Batch: 54454

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 54366

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1092		mg/Kg		109	70 - 130
Toluene	0.100	0.1179		mg/Kg		118	70 - 130
Ethylbenzene	0.100	0.1117		mg/Kg		112	70 - 130
m-Xylene & p-Xylene	0.200	0.2234		mg/Kg		112	70 - 130
o-Xylene	0.100	0.1002		mg/Kg		100	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 880-54366/2-A
Matrix: Solid
Analysis Batch: 54454

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 54366

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1191		mg/Kg		119	70 - 130	9	35

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-54366/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 54454 — **Prep Batch: 54366**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1243		mg/Kg		124	70 - 130	5	35
Ethylbenzene			0.100	0.1159		mg/Kg		116	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.2272		mg/Kg		114	70 - 130	2	35
o-Xylene			0.100	0.1036		mg/Kg		104	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-28859-A-1-E MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 54454 — **Prep Batch: 54366**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.101	0.1104		mg/Kg		109	70 - 130
Toluene	<0.00202	U	0.101	0.1052		mg/Kg		104	70 - 130
Ethylbenzene	<0.00202	U	0.101	0.09611		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	<0.00404	U	0.202	0.1884		mg/Kg		93	70 - 130
o-Xylene	<0.00202	U	0.101	0.08579		mg/Kg		85	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*

Lab Sample ID: 880-28859-A-1-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 54454 — **Prep Batch: 54366**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0994	0.1190		mg/Kg		120	70 - 130	8	35
Toluene	<0.00202	U	0.0994	0.1154		mg/Kg		116	70 - 130	9	35
Ethylbenzene	<0.00202	U	0.0994	0.1035		mg/Kg		104	70 - 130	7	35
m-Xylene & p-Xylene	<0.00404	U	0.199	0.1986		mg/Kg		100	70 - 130	5	35
o-Xylene	<0.00202	U	0.0994	0.09110		mg/Kg		92	70 - 130	6	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: MB 880-54490/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 54541 — **Prep Batch: 54490**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/31/23 11:15	06/01/23 11:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/31/23 11:15	06/01/23 11:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/31/23 11:15	06/01/23 11:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/31/23 11:15	06/01/23 11:05	1

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-54490/5-A
Matrix: Solid
Analysis Batch: 54541

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 54490

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/31/23 11:15	06/01/23 11:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/31/23 11:15	06/01/23 11:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*67*	*S1-*	*70 - 130*	*05/31/23 11:15*	*06/01/23 11:05*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*05/31/23 11:15*	*06/01/23 11:05*	*1*

Lab Sample ID: LCS 880-54490/1-A
Matrix: Solid
Analysis Batch: 54541

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 54490

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1292		mg/Kg		129	70 - 130
Toluene	0.100	0.1121		mg/Kg		112	70 - 130
Ethylbenzene	0.100	0.1163		mg/Kg		116	70 - 130
m-Xylene & p-Xylene	0.200	0.2433		mg/Kg		122	70 - 130
o-Xylene	0.100	0.1220		mg/Kg		122	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: LCSD 880-54490/2-A
Matrix: Solid
Analysis Batch: 54541

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 54490

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1265		mg/Kg		126	70 - 130	2	35
Toluene	0.100	0.1145		mg/Kg		114	70 - 130	2	35
Ethylbenzene	0.100	0.1130		mg/Kg		113	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2347		mg/Kg		117	70 - 130	4	35
o-Xylene	0.100	0.1166		mg/Kg		117	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: 880-28928-A-2-D MS
Matrix: Solid
Analysis Batch: 54541

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 54490

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.1054		mg/Kg		106	70 - 130
Toluene	<0.00200	U	0.0998	0.07364		mg/Kg		74	70 - 130
Ethylbenzene	<0.00200	U F1	0.0998	0.06403	F1	mg/Kg		64	70 - 130
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.1220	F1	mg/Kg		61	70 - 130
o-Xylene	<0.00200	U F1	0.0998	0.06080	F1	mg/Kg		61	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-28928-A-2-D MS
Matrix: Solid
Analysis Batch: 54541

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 54490

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130
1,4-Difluorobenzene (Surr)	117		70 - 130

Lab Sample ID: 880-28928-A-2-E MSD
Matrix: Solid
Analysis Batch: 54541

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 54490

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1029		mg/Kg		103	70 - 130	2	35
Toluene	<0.00200	U	0.100	0.07325		mg/Kg		73	70 - 130	1	35
Ethylbenzene	<0.00200	U F1	0.100	0.06396	F1	mg/Kg		64	70 - 130	0	35
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.1224	F1	mg/Kg		61	70 - 130	0	35
o-Xylene	<0.00200	U F1	0.100	0.06148	F1	mg/Kg		61	70 - 130	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

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

Lab Sample ID: MB 880-54278/1-A
Matrix: Solid
Analysis Batch: 54321

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 54278

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		05/26/23 17:20	05/28/23 09:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/26/23 17:20	05/28/23 09:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/23 17:20	05/28/23 09:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	05/26/23 17:20	05/28/23 09:01	1
o-Terphenyl	90		70 - 130	05/26/23 17:20	05/28/23 09:01	1

Lab Sample ID: LCS 880-54278/2-A
Matrix: Solid
Analysis Batch: 54321

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 54278

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	852.0		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	1000	839.9		mg/Kg		84	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	91		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-54278/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 54321 — **Prep Batch: 54278**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	851.4		mg/Kg		85	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	887.0		mg/Kg		89	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*101*		*70 - 130*
o-Terphenyl	*95*		*70 - 130*

Lab Sample ID: 880-28857-A-1-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 54321 — **Prep Batch: 54278**

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	997	564.0	F1	mg/Kg		57	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	743.0		mg/Kg		71	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*91*		*70 - 130*
o-Terphenyl	*81*		*70 - 130*

Lab Sample ID: 880-28857-A-1-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 54321 — **Prep Batch: 54278**

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	997	603.3	F1	mg/Kg		61	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	799.1		mg/Kg		76	70 - 130	7	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*98*		*70 - 130*
o-Terphenyl	*85*		*70 - 130*

Lab Sample ID: MB 880-54285/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 54323 — **Prep Batch: 54285**

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		05/26/23 17:23	05/28/23 20:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/26/23 17:23	05/28/23 20:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/23 17:23	05/28/23 20:42	1

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-54285/1-A
Matrix: Solid
Analysis Batch: 54323

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 54285

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	05/26/23 17:23	05/28/23 20:42	1
o-Terphenyl	94		70 - 130	05/26/23 17:23	05/28/23 20:42	1

Lab Sample ID: LCS 880-54285/2-A
Matrix: Solid
Analysis Batch: 54323

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 54285

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	887.3		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	1000	937.6		mg/Kg		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	113		70 - 130
o-Terphenyl	109		70 - 130

Lab Sample ID: LCSD 880-54285/3-A
Matrix: Solid
Analysis Batch: 54323

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 54285

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	726.3		mg/Kg		73	70 - 130	20	20
Diesel Range Organics (Over C10-C28)	1000	779.4		mg/Kg		78	70 - 130	18	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	89		70 - 130

Lab Sample ID: 880-28860-2 MS
Matrix: Solid
Analysis Batch: 54323

Client Sample ID: S-1 (1.5')
Prep Type: Total/NA
Prep Batch: 54285

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	997	737.2		mg/Kg		74	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	997	783.5		mg/Kg		75	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	83		70 - 130
o-Terphenyl	73		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-28860-2 MSD — **Client Sample ID: S-1 (1.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 54323 — **Prep Batch: 54285**

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	<49.8	U	999	863.5		mg/Kg		86	70 - 130	16	20
Diesel Range Organics (Over C10-C28)	<49.8	U	999	820.4		mg/Kg		78	70 - 130	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*88*		*70 - 130*
o-Terphenyl	*77*		*70 - 130*

Lab Sample ID: MB 880-54288/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 54323 — **Prep Batch: 54288**

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		05/26/23 17:29	05/28/23 09:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/26/23 17:29	05/28/23 09:01	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/26/23 17:29	05/28/23 09:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*05/26/23 17:29*	*05/28/23 09:01*	*1*
o-Terphenyl	*87*		*70 - 130*	*05/26/23 17:29*	*05/28/23 09:01*	*1*

Lab Sample ID: LCS 880-54288/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 54323 — **Prep Batch: 54288**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	690.1	*-	mg/Kg		69	70 - 130
Diesel Range Organics (Over C10-C28)	1000	583.3	*-	mg/Kg		58	70 - 130

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

Lab Sample ID: LCSD 880-54288/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 54323 — **Prep Batch: 54288**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	669.7	*-	mg/Kg		67	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	559.7	*-	mg/Kg		56	70 - 130	4	20

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-54288/3-A
Matrix: Solid
Analysis Batch: 54323

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 54288

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*92*		*70 - 130*
o-Terphenyl	*95*		*70 - 130*

Lab Sample ID: 880-28860-21 MS
Matrix: Solid
Analysis Batch: 54323

Client Sample ID: S-4 (2.0')
Prep Type: Total/NA
Prep Batch: 54288

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 *-	996	807.3		mg/Kg		81	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U *-	996	826.6		mg/Kg		83	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*85*		*70 - 130*
o-Terphenyl	*75*		*70 - 130*

Lab Sample ID: 880-28860-21 MSD
Matrix: Solid
Analysis Batch: 54323

Client Sample ID: S-4 (2.0')
Prep Type: Total/NA
Prep Batch: 54288

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 *-	996	817.2		mg/Kg		82	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U *-	996	841.7		mg/Kg		85	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*83*		*70 - 130*
o-Terphenyl	*73*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-54270/1-A
Matrix: Solid
Analysis Batch: 54395

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			05/30/23 15:28	1

Lab Sample ID: LCS 880-54270/2-A
Matrix: Solid
Analysis Batch: 54395

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	257.2		mg/Kg		103	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-54270/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 54395

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	260.7		mg/Kg		104	90 - 110	1	20

Lab Sample ID: 880-28859-A-14-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 54395

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	67.9		249	310.0		mg/Kg		97	90 - 110

Lab Sample ID: 880-28859-A-14-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 54395

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	67.9		249	315.0		mg/Kg		99	90 - 110	2	20

Lab Sample ID: MB 880-54271/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 54396

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/30/23 18:48	1

Lab Sample ID: LCS 880-54271/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 54396

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride			250	256.1		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-54271/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 54396

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	256.7		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-28860-6 MS — **Client Sample ID: S-1 (5.0')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 54396

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	49.3	F1	251	270.0	F1	mg/Kg		88	90 - 110

Lab Sample ID: 880-28860-6 MSD — **Client Sample ID: S-1 (5.0')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 54396

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	49.3	F1	251	269.4	F1	mg/Kg		88	90 - 110	0	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-28860-16 MS — **Client Sample ID: S-3 (3.0')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 54396

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1050	F1	1250	2149	F1	mg/Kg		88	90 - 110

Lab Sample ID: 880-28860-16 MSD — **Client Sample ID: S-3 (3.0')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 54396

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1050	F1	1250	2146	F1	mg/Kg		87	90 - 110	0	20

Lab Sample ID: MB 880-54272/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 54398

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/30/23 16:20	1

Lab Sample ID: LCS 880-54272/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 54398

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	242.5		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-54272/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 54398

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	243.6		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-28860-26 MS — **Client Sample ID: S-5 (1.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 54398

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	191	F1	249	368.1	F1	mg/Kg		71	90 - 110

Lab Sample ID: 880-28860-26 MSD — **Client Sample ID: S-5 (1.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 54398

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	191	F1	249	362.6	F1	mg/Kg		69	90 - 110	1	20

Lab Sample ID: 880-28860-36 MS — **Client Sample ID: S-6 (5.0')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 54398

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	339	F1	252	619.3	F1	mg/Kg		112	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-28860-36 MSD
Matrix: Solid
Analysis Batch: 54398

Client Sample ID: S-6 (5.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	339	F1	252	612.6		mg/Kg		109	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

GC VOA

Prep Batch: 54106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-54106/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 54208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28860-1	S-1 (0-1.0')	Total/NA	Solid	8021B	54264
880-28860-2	S-1 (1.5')	Total/NA	Solid	8021B	54264
880-28860-3	S-1 (2.0')	Total/NA	Solid	8021B	54264
880-28860-4	S-1 (3.0')	Total/NA	Solid	8021B	54264
880-28860-5	S-1 (4.0')	Total/NA	Solid	8021B	54264
880-28860-6	S-1 (5.0')	Total/NA	Solid	8021B	54264
880-28860-7	S-2 (0-1.0')	Total/NA	Solid	8021B	54264
880-28860-8	S-2 (1.5')	Total/NA	Solid	8021B	54264
880-28860-9	S-2 (2.0')	Total/NA	Solid	8021B	54264
880-28860-10	S-2 (3.0')	Total/NA	Solid	8021B	54264
880-28860-11	S-2 (4.0')	Total/NA	Solid	8021B	54264
880-28860-12	S-2 (5.0')	Total/NA	Solid	8021B	54264
880-28860-15	S-3 (2.0')	Total/NA	Solid	8021B	54264
880-28860-16	S-3 (3.0')	Total/NA	Solid	8021B	54264
880-28860-17	S-3 (4.0')	Total/NA	Solid	8021B	54264
880-28860-18	S-3 (5.0')	Total/NA	Solid	8021B	54264
880-28860-19	S-4 (0-1.0')	Total/NA	Solid	8021B	54264
880-28860-20	S-4 (1.5')	Total/NA	Solid	8021B	54264
MB 880-54106/5-A	Method Blank	Total/NA	Solid	8021B	54106
MB 880-54264/5-A	Method Blank	Total/NA	Solid	8021B	54264
LCS 880-54264/1-A	Lab Control Sample	Total/NA	Solid	8021B	54264
LCSD 880-54264/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	54264
880-28860-1 MS	S-1 (0-1.0')	Total/NA	Solid	8021B	54264
880-28860-1 MSD	S-1 (0-1.0')	Total/NA	Solid	8021B	54264

Prep Batch: 54264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28860-1	S-1 (0-1.0')	Total/NA	Solid	5035	
880-28860-2	S-1 (1.5')	Total/NA	Solid	5035	
880-28860-3	S-1 (2.0')	Total/NA	Solid	5035	
880-28860-4	S-1 (3.0')	Total/NA	Solid	5035	
880-28860-5	S-1 (4.0')	Total/NA	Solid	5035	
880-28860-6	S-1 (5.0')	Total/NA	Solid	5035	
880-28860-7	S-2 (0-1.0')	Total/NA	Solid	5035	
880-28860-8	S-2 (1.5')	Total/NA	Solid	5035	
880-28860-9	S-2 (2.0')	Total/NA	Solid	5035	
880-28860-10	S-2 (3.0')	Total/NA	Solid	5035	
880-28860-11	S-2 (4.0')	Total/NA	Solid	5035	
880-28860-12	S-2 (5.0')	Total/NA	Solid	5035	
880-28860-15	S-3 (2.0')	Total/NA	Solid	5035	
880-28860-16	S-3 (3.0')	Total/NA	Solid	5035	
880-28860-17	S-3 (4.0')	Total/NA	Solid	5035	
880-28860-18	S-3 (5.0')	Total/NA	Solid	5035	
880-28860-19	S-4 (0-1.0')	Total/NA	Solid	5035	
880-28860-20	S-4 (1.5')	Total/NA	Solid	5035	
MB 880-54264/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-54264/1-A	Lab Control Sample	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Prep Batch: 54264 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-54264/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28860-1 MS	S-1 (0-1.0')	Total/NA	Solid	5035	
880-28860-1 MSD	S-1 (0-1.0')	Total/NA	Solid	5035	

Prep Batch: 54319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28860-21	S-4 (2.0')	Total/NA	Solid	5035	
880-28860-22	S-4 (3.0')	Total/NA	Solid	5035	
880-28860-23	S-4 (4.0')	Total/NA	Solid	5035	
880-28860-24	S-4 (5.0')	Total/NA	Solid	5035	
880-28860-25	S-5 (0-1.0')	Total/NA	Solid	5035	
880-28860-26	S-5 (1.5')	Total/NA	Solid	5035	
880-28860-27	S-5 (2.0')	Total/NA	Solid	5035	
880-28860-28	S-5 (3.0')	Total/NA	Solid	5035	
880-28860-29	S-5 (4.0')	Total/NA	Solid	5035	
880-28860-30	S-5 (5.0')	Total/NA	Solid	5035	
880-28860-31	S-6 (0-1.0')	Total/NA	Solid	5035	
880-28860-32	S-6 (1.5')	Total/NA	Solid	5035	
880-28860-33	S-6 (2.0')	Total/NA	Solid	5035	
880-28860-34	S-6 (3.0')	Total/NA	Solid	5035	
880-28860-35	S-6 (4.0')	Total/NA	Solid	5035	
880-28860-36	S-6 (5.0')	Total/NA	Solid	5035	
880-28860-37	S-7 (0-1.0')	Total/NA	Solid	5035	
880-28860-38	S-7 (1.5')	Total/NA	Solid	5035	
880-28860-39	S-7 (2.0')	Total/NA	Solid	5035	
880-28860-40	S-7 (3.0')	Total/NA	Solid	5035	
MB 880-54319/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-54319/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-54319/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28860-21 MS	S-4 (2.0')	Total/NA	Solid	5035	
880-28860-21 MSD	S-4 (2.0')	Total/NA	Solid	5035	

Analysis Batch: 54337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28860-41	S-7 (4.0')	Total/NA	Solid	8021B	54363
880-28860-42	S-7 (5.0')	Total/NA	Solid	8021B	54363
880-28860-43	S-8 (0-1.0')	Total/NA	Solid	8021B	54363
880-28860-44	S-8 (1.5')	Total/NA	Solid	8021B	54363
880-28860-45	S-8 (2.0')	Total/NA	Solid	8021B	54363
MB 880-54363/5-A	Method Blank	Total/NA	Solid	8021B	54363
MB 880-54365/5-A	Method Blank	Total/NA	Solid	8021B	54365
LCS 880-54363/1-A	Lab Control Sample	Total/NA	Solid	8021B	54363
LCSD 880-54363/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	54363
890-4735-A-29-D MS	Matrix Spike	Total/NA	Solid	8021B	54363
890-4735-A-29-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	54363

Analysis Batch: 54338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28860-21	S-4 (2.0')	Total/NA	Solid	8021B	54319
880-28860-22	S-4 (3.0')	Total/NA	Solid	8021B	54319
880-28860-23	S-4 (4.0')	Total/NA	Solid	8021B	54319

QC Association Summary

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 54338 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28860-24	S-4 (5.0')	Total/NA	Solid	8021B	54319
880-28860-25	S-5 (0-1.0')	Total/NA	Solid	8021B	54319
880-28860-26	S-5 (1.5')	Total/NA	Solid	8021B	54319
880-28860-27	S-5 (2.0')	Total/NA	Solid	8021B	54319
880-28860-28	S-5 (3.0')	Total/NA	Solid	8021B	54319
880-28860-29	S-5 (4.0')	Total/NA	Solid	8021B	54319
880-28860-30	S-5 (5.0')	Total/NA	Solid	8021B	54319
880-28860-31	S-6 (0-1.0')	Total/NA	Solid	8021B	54319
880-28860-32	S-6 (1.5')	Total/NA	Solid	8021B	54319
880-28860-33	S-6 (2.0')	Total/NA	Solid	8021B	54319
880-28860-34	S-6 (3.0')	Total/NA	Solid	8021B	54319
880-28860-35	S-6 (4.0')	Total/NA	Solid	8021B	54319
880-28860-36	S-6 (5.0')	Total/NA	Solid	8021B	54319
880-28860-37	S-7 (0-1.0')	Total/NA	Solid	8021B	54319
880-28860-38	S-7 (1.5')	Total/NA	Solid	8021B	54319
880-28860-39	S-7 (2.0')	Total/NA	Solid	8021B	54319
880-28860-40	S-7 (3.0')	Total/NA	Solid	8021B	54319
MB 880-54319/5-A	Method Blank	Total/NA	Solid	8021B	54319
LCS 880-54319/1-A	Lab Control Sample	Total/NA	Solid	8021B	54319
LCSD 880-54319/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	54319
880-28860-21 MS	S-4 (2.0')	Total/NA	Solid	8021B	54319
880-28860-21 MSD	S-4 (2.0')	Total/NA	Solid	8021B	54319

Analysis Batch: 54352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28860-1	S-1 (0-1.0')	Total/NA	Solid	Total BTEX	
880-28860-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-28860-3	S-1 (2.0')	Total/NA	Solid	Total BTEX	
880-28860-4	S-1 (3.0')	Total/NA	Solid	Total BTEX	
880-28860-5	S-1 (4.0')	Total/NA	Solid	Total BTEX	
880-28860-6	S-1 (5.0')	Total/NA	Solid	Total BTEX	
880-28860-7	S-2 (0-1.0')	Total/NA	Solid	Total BTEX	
880-28860-8	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-28860-9	S-2 (2.0')	Total/NA	Solid	Total BTEX	
880-28860-10	S-2 (3.0')	Total/NA	Solid	Total BTEX	
880-28860-11	S-2 (4.0')	Total/NA	Solid	Total BTEX	
880-28860-12	S-2 (5.0')	Total/NA	Solid	Total BTEX	
880-28860-13	S-3 (0-1.0')	Total/NA	Solid	Total BTEX	
880-28860-14	S-3 (1.5')	Total/NA	Solid	Total BTEX	
880-28860-15	S-3 (2.0')	Total/NA	Solid	Total BTEX	
880-28860-16	S-3 (3.0')	Total/NA	Solid	Total BTEX	
880-28860-17	S-3 (4.0')	Total/NA	Solid	Total BTEX	
880-28860-18	S-3 (5.0')	Total/NA	Solid	Total BTEX	
880-28860-19	S-4 (0-1.0')	Total/NA	Solid	Total BTEX	
880-28860-20	S-4 (1.5')	Total/NA	Solid	Total BTEX	
880-28860-21	S-4 (2.0')	Total/NA	Solid	Total BTEX	
880-28860-22	S-4 (3.0')	Total/NA	Solid	Total BTEX	
880-28860-23	S-4 (4.0')	Total/NA	Solid	Total BTEX	
880-28860-24	S-4 (5.0')	Total/NA	Solid	Total BTEX	
880-28860-25	S-5 (0-1.0')	Total/NA	Solid	Total BTEX	
880-28860-26	S-5 (1.5')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 54352 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28860-27	S-5 (2.0')	Total/NA	Solid	Total BTEX	
880-28860-28	S-5 (3.0')	Total/NA	Solid	Total BTEX	
880-28860-29	S-5 (4.0')	Total/NA	Solid	Total BTEX	
880-28860-30	S-5 (5.0')	Total/NA	Solid	Total BTEX	
880-28860-31	S-6 (0-1.0')	Total/NA	Solid	Total BTEX	
880-28860-32	S-6 (1.5')	Total/NA	Solid	Total BTEX	
880-28860-33	S-6 (2.0')	Total/NA	Solid	Total BTEX	
880-28860-34	S-6 (3.0')	Total/NA	Solid	Total BTEX	
880-28860-35	S-6 (4.0')	Total/NA	Solid	Total BTEX	
880-28860-36	S-6 (5.0')	Total/NA	Solid	Total BTEX	
880-28860-37	S-7 (0-1.0')	Total/NA	Solid	Total BTEX	
880-28860-38	S-7 (1.5')	Total/NA	Solid	Total BTEX	
880-28860-39	S-7 (2.0')	Total/NA	Solid	Total BTEX	
880-28860-40	S-7 (3.0')	Total/NA	Solid	Total BTEX	
880-28860-41	S-7 (4.0')	Total/NA	Solid	Total BTEX	
880-28860-42	S-7 (5.0')	Total/NA	Solid	Total BTEX	
880-28860-43	S-8 (0-1.0')	Total/NA	Solid	Total BTEX	
880-28860-44	S-8 (1.5')	Total/NA	Solid	Total BTEX	
880-28860-45	S-8 (2.0')	Total/NA	Solid	Total BTEX	

Prep Batch: 54363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28860-41	S-7 (4.0')	Total/NA	Solid	5035	
880-28860-42	S-7 (5.0')	Total/NA	Solid	5035	
880-28860-43	S-8 (0-1.0')	Total/NA	Solid	5035	
880-28860-44	S-8 (1.5')	Total/NA	Solid	5035	
880-28860-45	S-8 (2.0')	Total/NA	Solid	5035	
MB 880-54363/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-54363/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-54363/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4735-A-29-D MS	Matrix Spike	Total/NA	Solid	5035	
890-4735-A-29-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 54365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-54365/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 54366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28860-14	S-3 (1.5')	Total/NA	Solid	5035	
MB 880-54366/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-54366/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-54366/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28859-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-28859-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 54454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28860-14	S-3 (1.5')	Total/NA	Solid	8021B	54366
MB 880-54366/5-A	Method Blank	Total/NA	Solid	8021B	54366
LCS 880-54366/1-A	Lab Control Sample	Total/NA	Solid	8021B	54366

QC Association Summary

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 54454 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-54366/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	54366
880-28859-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	54366
880-28859-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	54366

Prep Batch: 54490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28860-13	S-3 (0-1.0')	Total/NA	Solid	5035	
MB 880-54490/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-54490/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-54490/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28928-A-2-D MS	Matrix Spike	Total/NA	Solid	5035	
880-28928-A-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 54541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28860-13	S-3 (0-1.0')	Total/NA	Solid	8021B	54490
MB 880-54490/5-A	Method Blank	Total/NA	Solid	8021B	54490
LCS 880-54490/1-A	Lab Control Sample	Total/NA	Solid	8021B	54490
LCSD 880-54490/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	54490
880-28928-A-2-D MS	Matrix Spike	Total/NA	Solid	8021B	54490
880-28928-A-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	54490

GC Semi VOA

Prep Batch: 54278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28860-41	S-7 (4.0')	Total/NA	Solid	8015NM Prep	
880-28860-42	S-7 (5.0')	Total/NA	Solid	8015NM Prep	
880-28860-43	S-8 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-28860-44	S-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-28860-45	S-8 (2.0')	Total/NA	Solid	8015NM Prep	
MB 880-54278/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-54278/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-54278/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28857-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-28857-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 54285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28860-1	S-1 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-28860-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-28860-3	S-1 (2.0')	Total/NA	Solid	8015NM Prep	
880-28860-4	S-1 (3.0')	Total/NA	Solid	8015NM Prep	
880-28860-5	S-1 (4.0')	Total/NA	Solid	8015NM Prep	
880-28860-6	S-1 (5.0')	Total/NA	Solid	8015NM Prep	
880-28860-7	S-2 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-28860-8	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-28860-9	S-2 (2.0')	Total/NA	Solid	8015NM Prep	
880-28860-10	S-2 (3.0')	Total/NA	Solid	8015NM Prep	
880-28860-11	S-2 (4.0')	Total/NA	Solid	8015NM Prep	
880-28860-12	S-2 (5.0')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 54285 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28860-13	S-3 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-28860-14	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-28860-15	S-3 (2.0')	Total/NA	Solid	8015NM Prep	
880-28860-16	S-3 (3.0')	Total/NA	Solid	8015NM Prep	
880-28860-17	S-3 (4.0')	Total/NA	Solid	8015NM Prep	
880-28860-18	S-3 (5.0')	Total/NA	Solid	8015NM Prep	
880-28860-19	S-4 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-28860-20	S-4 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-54285/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-54285/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-54285/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28860-2 MS	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-28860-2 MSD	S-1 (1.5')	Total/NA	Solid	8015NM Prep	

Prep Batch: 54288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28860-21	S-4 (2.0')	Total/NA	Solid	8015NM Prep	
880-28860-22	S-4 (3.0')	Total/NA	Solid	8015NM Prep	
880-28860-23	S-4 (4.0')	Total/NA	Solid	8015NM Prep	
880-28860-24	S-4 (5.0')	Total/NA	Solid	8015NM Prep	
880-28860-25	S-5 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-28860-26	S-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-28860-27	S-5 (2.0')	Total/NA	Solid	8015NM Prep	
880-28860-28	S-5 (3.0')	Total/NA	Solid	8015NM Prep	
880-28860-29	S-5 (4.0')	Total/NA	Solid	8015NM Prep	
880-28860-30	S-5 (5.0')	Total/NA	Solid	8015NM Prep	
880-28860-31	S-6 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-28860-32	S-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-28860-33	S-6 (2.0')	Total/NA	Solid	8015NM Prep	
880-28860-34	S-6 (3.0')	Total/NA	Solid	8015NM Prep	
880-28860-35	S-6 (4.0')	Total/NA	Solid	8015NM Prep	
880-28860-36	S-6 (5.0')	Total/NA	Solid	8015NM Prep	
880-28860-37	S-7 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-28860-38	S-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-28860-39	S-7 (2.0')	Total/NA	Solid	8015NM Prep	
880-28860-40	S-7 (3.0')	Total/NA	Solid	8015NM Prep	
MB 880-54288/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-54288/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-54288/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28860-21 MS	S-4 (2.0')	Total/NA	Solid	8015NM Prep	
880-28860-21 MSD	S-4 (2.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 54321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28860-41	S-7 (4.0')	Total/NA	Solid	8015B NM	54278
880-28860-42	S-7 (5.0')	Total/NA	Solid	8015B NM	54278
880-28860-43	S-8 (0-1.0')	Total/NA	Solid	8015B NM	54278
880-28860-44	S-8 (1.5')	Total/NA	Solid	8015B NM	54278
880-28860-45	S-8 (2.0')	Total/NA	Solid	8015B NM	54278
MB 880-54278/1-A	Method Blank	Total/NA	Solid	8015B NM	54278
LCS 880-54278/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	54278

QC Association Summary

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 54321 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-54278/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	54278
880-28857-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	54278
880-28857-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	54278

Analysis Batch: 54323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28860-1	S-1 (0-1.0')	Total/NA	Solid	8015B NM	54285
880-28860-2	S-1 (1.5')	Total/NA	Solid	8015B NM	54285
880-28860-3	S-1 (2.0')	Total/NA	Solid	8015B NM	54285
880-28860-4	S-1 (3.0')	Total/NA	Solid	8015B NM	54285
880-28860-5	S-1 (4.0')	Total/NA	Solid	8015B NM	54285
880-28860-6	S-1 (5.0')	Total/NA	Solid	8015B NM	54285
880-28860-7	S-2 (0-1.0')	Total/NA	Solid	8015B NM	54285
880-28860-8	S-2 (1.5')	Total/NA	Solid	8015B NM	54285
880-28860-9	S-2 (2.0')	Total/NA	Solid	8015B NM	54285
880-28860-10	S-2 (3.0')	Total/NA	Solid	8015B NM	54285
880-28860-11	S-2 (4.0')	Total/NA	Solid	8015B NM	54285
880-28860-12	S-2 (5.0')	Total/NA	Solid	8015B NM	54285
880-28860-13	S-3 (0-1.0')	Total/NA	Solid	8015B NM	54285
880-28860-14	S-3 (1.5')	Total/NA	Solid	8015B NM	54285
880-28860-15	S-3 (2.0')	Total/NA	Solid	8015B NM	54285
880-28860-16	S-3 (3.0')	Total/NA	Solid	8015B NM	54285
880-28860-17	S-3 (4.0')	Total/NA	Solid	8015B NM	54285
880-28860-18	S-3 (5.0')	Total/NA	Solid	8015B NM	54285
880-28860-19	S-4 (0-1.0')	Total/NA	Solid	8015B NM	54285
880-28860-20	S-4 (1.5')	Total/NA	Solid	8015B NM	54285
880-28860-21	S-4 (2.0')	Total/NA	Solid	8015B NM	54288
880-28860-22	S-4 (3.0')	Total/NA	Solid	8015B NM	54288
880-28860-23	S-4 (4.0')	Total/NA	Solid	8015B NM	54288
880-28860-24	S-4 (5.0')	Total/NA	Solid	8015B NM	54288
880-28860-25	S-5 (0-1.0')	Total/NA	Solid	8015B NM	54288
880-28860-26	S-5 (1.5')	Total/NA	Solid	8015B NM	54288
880-28860-27	S-5 (2.0')	Total/NA	Solid	8015B NM	54288
880-28860-28	S-5 (3.0')	Total/NA	Solid	8015B NM	54288
880-28860-29	S-5 (4.0')	Total/NA	Solid	8015B NM	54288
880-28860-30	S-5 (5.0')	Total/NA	Solid	8015B NM	54288
880-28860-31	S-6 (0-1.0')	Total/NA	Solid	8015B NM	54288
880-28860-32	S-6 (1.5')	Total/NA	Solid	8015B NM	54288
880-28860-33	S-6 (2.0')	Total/NA	Solid	8015B NM	54288
880-28860-34	S-6 (3.0')	Total/NA	Solid	8015B NM	54288
880-28860-35	S-6 (4.0')	Total/NA	Solid	8015B NM	54288
880-28860-36	S-6 (5.0')	Total/NA	Solid	8015B NM	54288
880-28860-37	S-7 (0-1.0')	Total/NA	Solid	8015B NM	54288
880-28860-38	S-7 (1.5')	Total/NA	Solid	8015B NM	54288
880-28860-39	S-7 (2.0')	Total/NA	Solid	8015B NM	54288
880-28860-40	S-7 (3.0')	Total/NA	Solid	8015B NM	54288
MB 880-54285/1-A	Method Blank	Total/NA	Solid	8015B NM	54285
MB 880-54288/1-A	Method Blank	Total/NA	Solid	8015B NM	54288
LCS 880-54285/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	54285
LCS 880-54288/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	54288
LCSD 880-54285/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	54285

QC Association Summary

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 54323 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-54288/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	54288
880-28860-2 MS	S-1 (1.5')	Total/NA	Solid	8015B NM	54285
880-28860-2 MSD	S-1 (1.5')	Total/NA	Solid	8015B NM	54285
880-28860-21 MS	S-4 (2.0')	Total/NA	Solid	8015B NM	54288
880-28860-21 MSD	S-4 (2.0')	Total/NA	Solid	8015B NM	54288

Analysis Batch: 54357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28860-1	S-1 (0-1.0')	Total/NA	Solid	8015 NM	
880-28860-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-28860-3	S-1 (2.0')	Total/NA	Solid	8015 NM	
880-28860-4	S-1 (3.0')	Total/NA	Solid	8015 NM	
880-28860-5	S-1 (4.0')	Total/NA	Solid	8015 NM	
880-28860-6	S-1 (5.0')	Total/NA	Solid	8015 NM	
880-28860-7	S-2 (0-1.0')	Total/NA	Solid	8015 NM	
880-28860-8	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-28860-9	S-2 (2.0')	Total/NA	Solid	8015 NM	
880-28860-10	S-2 (3.0')	Total/NA	Solid	8015 NM	
880-28860-11	S-2 (4.0')	Total/NA	Solid	8015 NM	
880-28860-12	S-2 (5.0')	Total/NA	Solid	8015 NM	
880-28860-13	S-3 (0-1.0')	Total/NA	Solid	8015 NM	
880-28860-14	S-3 (1.5')	Total/NA	Solid	8015 NM	
880-28860-15	S-3 (2.0')	Total/NA	Solid	8015 NM	
880-28860-16	S-3 (3.0')	Total/NA	Solid	8015 NM	
880-28860-17	S-3 (4.0')	Total/NA	Solid	8015 NM	
880-28860-18	S-3 (5.0')	Total/NA	Solid	8015 NM	
880-28860-19	S-4 (0-1.0')	Total/NA	Solid	8015 NM	
880-28860-20	S-4 (1.5')	Total/NA	Solid	8015 NM	
880-28860-21	S-4 (2.0')	Total/NA	Solid	8015 NM	
880-28860-22	S-4 (3.0')	Total/NA	Solid	8015 NM	
880-28860-23	S-4 (4.0')	Total/NA	Solid	8015 NM	
880-28860-24	S-4 (5.0')	Total/NA	Solid	8015 NM	
880-28860-25	S-5 (0-1.0')	Total/NA	Solid	8015 NM	
880-28860-26	S-5 (1.5')	Total/NA	Solid	8015 NM	
880-28860-27	S-5 (2.0')	Total/NA	Solid	8015 NM	
880-28860-28	S-5 (3.0')	Total/NA	Solid	8015 NM	
880-28860-29	S-5 (4.0')	Total/NA	Solid	8015 NM	
880-28860-30	S-5 (5.0')	Total/NA	Solid	8015 NM	
880-28860-31	S-6 (0-1.0')	Total/NA	Solid	8015 NM	
880-28860-32	S-6 (1.5')	Total/NA	Solid	8015 NM	
880-28860-33	S-6 (2.0')	Total/NA	Solid	8015 NM	
880-28860-34	S-6 (3.0')	Total/NA	Solid	8015 NM	
880-28860-35	S-6 (4.0')	Total/NA	Solid	8015 NM	
880-28860-36	S-6 (5.0')	Total/NA	Solid	8015 NM	
880-28860-37	S-7 (0-1.0')	Total/NA	Solid	8015 NM	
880-28860-38	S-7 (1.5')	Total/NA	Solid	8015 NM	
880-28860-39	S-7 (2.0')	Total/NA	Solid	8015 NM	
880-28860-40	S-7 (3.0')	Total/NA	Solid	8015 NM	
880-28860-41	S-7 (4.0')	Total/NA	Solid	8015 NM	
880-28860-42	S-7 (5.0')	Total/NA	Solid	8015 NM	
880-28860-43	S-8 (0-1.0')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 54357 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28860-44	S-8 (1.5')	Total/NA	Solid	8015 NM	
880-28860-45	S-8 (2.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 54270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28860-1	S-1 (0-1.0')	Soluble	Solid	DI Leach	
880-28860-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-28860-3	S-1 (2.0')	Soluble	Solid	DI Leach	
880-28860-4	S-1 (3.0')	Soluble	Solid	DI Leach	
880-28860-5	S-1 (4.0')	Soluble	Solid	DI Leach	
MB 880-54270/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-54270/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-54270/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28859-A-14-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-28859-A-14-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 54271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28860-6	S-1 (5.0')	Soluble	Solid	DI Leach	
880-28860-7	S-2 (0-1.0')	Soluble	Solid	DI Leach	
880-28860-8	S-2 (1.5')	Soluble	Solid	DI Leach	
880-28860-9	S-2 (2.0')	Soluble	Solid	DI Leach	
880-28860-10	S-2 (3.0')	Soluble	Solid	DI Leach	
880-28860-11	S-2 (4.0')	Soluble	Solid	DI Leach	
880-28860-12	S-2 (5.0')	Soluble	Solid	DI Leach	
880-28860-13	S-3 (0-1.0')	Soluble	Solid	DI Leach	
880-28860-14	S-3 (1.5')	Soluble	Solid	DI Leach	
880-28860-15	S-3 (2.0')	Soluble	Solid	DI Leach	
880-28860-16	S-3 (3.0')	Soluble	Solid	DI Leach	
880-28860-17	S-3 (4.0')	Soluble	Solid	DI Leach	
880-28860-18	S-3 (5.0')	Soluble	Solid	DI Leach	
880-28860-19	S-4 (0-1.0')	Soluble	Solid	DI Leach	
880-28860-20	S-4 (1.5')	Soluble	Solid	DI Leach	
880-28860-21	S-4 (2.0')	Soluble	Solid	DI Leach	
880-28860-22	S-4 (3.0')	Soluble	Solid	DI Leach	
880-28860-23	S-4 (4.0')	Soluble	Solid	DI Leach	
880-28860-24	S-4 (5.0')	Soluble	Solid	DI Leach	
880-28860-25	S-5 (0-1.0')	Soluble	Solid	DI Leach	
MB 880-54271/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-54271/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-54271/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28860-6 MS	S-1 (5.0')	Soluble	Solid	DI Leach	
880-28860-6 MSD	S-1 (5.0')	Soluble	Solid	DI Leach	
880-28860-16 MS	S-3 (3.0')	Soluble	Solid	DI Leach	
880-28860-16 MSD	S-3 (3.0')	Soluble	Solid	DI Leach	

Leach Batch: 54272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28860-26	S-5 (1.5')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 54272 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28860-27	S-5 (2.0')	Soluble	Solid	DI Leach	
880-28860-28	S-5 (3.0')	Soluble	Solid	DI Leach	
880-28860-29	S-5 (4.0')	Soluble	Solid	DI Leach	
880-28860-30	S-5 (5.0')	Soluble	Solid	DI Leach	
880-28860-31	S-6 (0-1.0')	Soluble	Solid	DI Leach	
880-28860-32	S-6 (1.5')	Soluble	Solid	DI Leach	
880-28860-33	S-6 (2.0')	Soluble	Solid	DI Leach	
880-28860-34	S-6 (3.0')	Soluble	Solid	DI Leach	
880-28860-35	S-6 (4.0')	Soluble	Solid	DI Leach	
880-28860-36	S-6 (5.0')	Soluble	Solid	DI Leach	
880-28860-37	S-7 (0-1.0')	Soluble	Solid	DI Leach	
880-28860-38	S-7 (1.5')	Soluble	Solid	DI Leach	
880-28860-39	S-7 (2.0')	Soluble	Solid	DI Leach	
880-28860-40	S-7 (3.0')	Soluble	Solid	DI Leach	
880-28860-41	S-7 (4.0')	Soluble	Solid	DI Leach	
880-28860-42	S-7 (5.0')	Soluble	Solid	DI Leach	
880-28860-43	S-8 (0-1.0')	Soluble	Solid	DI Leach	
880-28860-44	S-8 (1.5')	Soluble	Solid	DI Leach	
880-28860-45	S-8 (2.0')	Soluble	Solid	DI Leach	
MB 880-54272/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-54272/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-54272/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28860-26 MS	S-5 (1.5')	Soluble	Solid	DI Leach	
880-28860-26 MSD	S-5 (1.5')	Soluble	Solid	DI Leach	
880-28860-36 MS	S-6 (5.0')	Soluble	Solid	DI Leach	
880-28860-36 MSD	S-6 (5.0')	Soluble	Solid	DI Leach	

Analysis Batch: 54395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28860-1	S-1 (0-1.0')	Soluble	Solid	300.0	54270
880-28860-2	S-1 (1.5')	Soluble	Solid	300.0	54270
880-28860-3	S-1 (2.0')	Soluble	Solid	300.0	54270
880-28860-4	S-1 (3.0')	Soluble	Solid	300.0	54270
880-28860-5	S-1 (4.0')	Soluble	Solid	300.0	54270
MB 880-54270/1-A	Method Blank	Soluble	Solid	300.0	54270
LCS 880-54270/2-A	Lab Control Sample	Soluble	Solid	300.0	54270
LCSD 880-54270/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	54270
880-28859-A-14-B MS	Matrix Spike	Soluble	Solid	300.0	54270
880-28859-A-14-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	54270

Analysis Batch: 54396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28860-6	S-1 (5.0')	Soluble	Solid	300.0	54271
880-28860-7	S-2 (0-1.0')	Soluble	Solid	300.0	54271
880-28860-8	S-2 (1.5')	Soluble	Solid	300.0	54271
880-28860-9	S-2 (2.0')	Soluble	Solid	300.0	54271
880-28860-10	S-2 (3.0')	Soluble	Solid	300.0	54271
880-28860-11	S-2 (4.0')	Soluble	Solid	300.0	54271
880-28860-12	S-2 (5.0')	Soluble	Solid	300.0	54271
880-28860-13	S-3 (0-1.0')	Soluble	Solid	300.0	54271
880-28860-14	S-3 (1.5')	Soluble	Solid	300.0	54271

QC Association Summary

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 54396 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28860-15	S-3 (2.0')	Soluble	Solid	300.0	54271
880-28860-16	S-3 (3.0')	Soluble	Solid	300.0	54271
880-28860-17	S-3 (4.0')	Soluble	Solid	300.0	54271
880-28860-18	S-3 (5.0')	Soluble	Solid	300.0	54271
880-28860-19	S-4 (0-1.0')	Soluble	Solid	300.0	54271
880-28860-20	S-4 (1.5')	Soluble	Solid	300.0	54271
880-28860-21	S-4 (2.0')	Soluble	Solid	300.0	54271
880-28860-22	S-4 (3.0')	Soluble	Solid	300.0	54271
880-28860-23	S-4 (4.0')	Soluble	Solid	300.0	54271
880-28860-24	S-4 (5.0')	Soluble	Solid	300.0	54271
880-28860-25	S-5 (0-1.0')	Soluble	Solid	300.0	54271
MB 880-54271/1-A	Method Blank	Soluble	Solid	300.0	54271
LCS 880-54271/2-A	Lab Control Sample	Soluble	Solid	300.0	54271
LCSD 880-54271/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	54271
880-28860-6 MS	S-1 (5.0')	Soluble	Solid	300.0	54271
880-28860-6 MSD	S-1 (5.0')	Soluble	Solid	300.0	54271
880-28860-16 MS	S-3 (3.0')	Soluble	Solid	300.0	54271
880-28860-16 MSD	S-3 (3.0')	Soluble	Solid	300.0	54271

Analysis Batch: 54398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28860-26	S-5 (1.5')	Soluble	Solid	300.0	54272
880-28860-27	S-5 (2.0')	Soluble	Solid	300.0	54272
880-28860-28	S-5 (3.0')	Soluble	Solid	300.0	54272
880-28860-29	S-5 (4.0')	Soluble	Solid	300.0	54272
880-28860-30	S-5 (5.0')	Soluble	Solid	300.0	54272
880-28860-31	S-6 (0-1.0')	Soluble	Solid	300.0	54272
880-28860-32	S-6 (1.5')	Soluble	Solid	300.0	54272
880-28860-33	S-6 (2.0')	Soluble	Solid	300.0	54272
880-28860-34	S-6 (3.0')	Soluble	Solid	300.0	54272
880-28860-35	S-6 (4.0')	Soluble	Solid	300.0	54272
880-28860-36	S-6 (5.0')	Soluble	Solid	300.0	54272
880-28860-37	S-7 (0-1.0')	Soluble	Solid	300.0	54272
880-28860-38	S-7 (1.5')	Soluble	Solid	300.0	54272
880-28860-39	S-7 (2.0')	Soluble	Solid	300.0	54272
880-28860-40	S-7 (3.0')	Soluble	Solid	300.0	54272
880-28860-41	S-7 (4.0')	Soluble	Solid	300.0	54272
880-28860-42	S-7 (5.0')	Soluble	Solid	300.0	54272
880-28860-43	S-8 (0-1.0')	Soluble	Solid	300.0	54272
880-28860-44	S-8 (1.5')	Soluble	Solid	300.0	54272
880-28860-45	S-8 (2.0')	Soluble	Solid	300.0	54272
MB 880-54272/1-A	Method Blank	Soluble	Solid	300.0	54272
LCS 880-54272/2-A	Lab Control Sample	Soluble	Solid	300.0	54272
LCSD 880-54272/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	54272
880-28860-26 MS	S-5 (1.5')	Soluble	Solid	300.0	54272
880-28860-26 MSD	S-5 (1.5')	Soluble	Solid	300.0	54272
880-28860-36 MS	S-6 (5.0')	Soluble	Solid	300.0	54272
880-28860-36 MSD	S-6 (5.0')	Soluble	Solid	300.0	54272

Lab Chronicle

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (0-1.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-1
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			4.95 g	5 mL	54264	05/26/23 15:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54208	05/27/23 23:20	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/30/23 09:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54285	05/26/23 17:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/29/23 02:56	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	54270	05/26/23 16:14	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54395	05/30/23 17:59	CH	EET MID

Client Sample ID: S-1 (1.5')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-2
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			4.98 g	5 mL	54264	05/26/23 15:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54208	05/27/23 23:40	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/30/23 09:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	54285	05/26/23 17:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/28/23 21:48	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	54270	05/26/23 16:14	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54395	05/30/23 18:05	CH	EET MID

Client Sample ID: S-1 (2.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-3
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			4.96 g	5 mL	54264	05/26/23 15:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54208	05/28/23 00:01	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/30/23 09:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	54285	05/26/23 17:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/28/23 22:51	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	54270	05/26/23 16:14	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54395	05/30/23 18:10	CH	EET MID

Client Sample ID: S-1 (3.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	54264	05/26/23 15:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54208	05/28/23 00:21	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/30/23 09:08	AJ	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (3.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-4
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			54357	05/30/23 11:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	54285	05/26/23 17:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/28/23 23:12	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	54270	05/26/23 16:14	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54395	05/30/23 18:15	CH	EET MID

Client Sample ID: S-1 (4.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	54264	05/26/23 15:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54208	05/28/23 00:42	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/30/23 09:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54285	05/26/23 17:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/28/23 23:32	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	54270	05/26/23 16:14	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54395	05/30/23 18:21	CH	EET MID

Client Sample ID: S-1 (5.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-6
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			5.00 g	5 mL	54264	05/26/23 15:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54208	05/28/23 01:02	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/30/23 09:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	54285	05/26/23 17:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/28/23 23:52	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	54271	05/26/23 16:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54396	05/30/23 19:04	CH	EET MID

Client Sample ID: S-2 (0-1.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	54264	05/26/23 15:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54208	05/28/23 01:22	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/30/23 09:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54285	05/26/23 17:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/29/23 00:13	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (0-1.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	54271	05/26/23 16:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54396	05/30/23 19:20	CH	EET MID

Client Sample ID: S-2 (1.5')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	54264	05/26/23 15:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54208	05/28/23 01:43	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/30/23 09:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54285	05/26/23 17:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/29/23 00:33	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	54271	05/26/23 16:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54396	05/30/23 19:25	CH	EET MID

Client Sample ID: S-2 (2.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	54264	05/26/23 15:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54208	05/28/23 02:03	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/30/23 09:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54285	05/26/23 17:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/29/23 00:54	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	54271	05/26/23 16:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54396	05/30/23 19:30	CH	EET MID

Client Sample ID: S-2 (3.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	54264	05/26/23 15:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54208	05/28/23 02:24	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/30/23 09:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54285	05/26/23 17:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/29/23 01:14	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	54271	05/26/23 16:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54396	05/30/23 19:36	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (4.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	54264	05/26/23 15:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54208	05/28/23 04:13	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/30/23 09:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54285	05/26/23 17:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/29/23 01:35	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	54271	05/26/23 16:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54396	05/30/23 19:52	CH	EET MID

Client Sample ID: S-2 (5.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-12
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	54264	05/26/23 15:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54208	05/28/23 04:34	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/30/23 09:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54285	05/26/23 17:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/29/23 02:15	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	54271	05/26/23 16:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54396	05/30/23 19:57	CH	EET MID

Client Sample ID: S-3 (0-1.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-13
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	54490	05/31/23 12:00	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	54541	06/01/23 14:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54352	06/01/23 16:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	54285	05/26/23 17:23	AJ	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	54323	05/29/23 02:35	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	54271	05/26/23 16:15	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	54396	05/30/23 20:02	CH	EET MID

Client Sample ID: S-3 (1.5')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	54366	05/30/23 09:50	EL	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	54454	05/31/23 21:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54352	06/01/23 09:02	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (1.5')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54285	05/26/23 17:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/29/23 03:16	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	54271	05/26/23 16:15	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	54396	05/30/23 20:08	CH	EET MID

Client Sample ID: S-3 (2.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	54264	05/26/23 15:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54208	05/28/23 04:54	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/30/23 09:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54285	05/26/23 17:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/29/23 03:37	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	54271	05/26/23 16:15	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	54396	05/30/23 20:13	CH	EET MID

Client Sample ID: S-3 (3.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	54264	05/26/23 15:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54208	05/28/23 05:15	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/30/23 09:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	54285	05/26/23 17:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/29/23 03:57	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	54271	05/26/23 16:15	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	54396	05/30/23 20:18	CH	EET MID

Client Sample ID: S-3 (4.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	54264	05/26/23 15:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54208	05/28/23 05:35	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/30/23 09:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	54285	05/26/23 17:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/29/23 04:18	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (4.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	54271	05/26/23 16:15	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	54396	05/30/23 20:34	CH	EET MID

Client Sample ID: S-3 (5.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-18
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			4.98 g	5 mL	54264	05/26/23 15:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54208	05/28/23 05:55	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/30/23 09:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54285	05/26/23 17:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/29/23 04:38	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	54271	05/26/23 16:15	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	54396	05/30/23 20:40	CH	EET MID

Client Sample ID: S-4 (0-1.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	54264	05/26/23 15:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54208	05/28/23 06:16	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/30/23 09:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	54285	05/26/23 17:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/29/23 04:59	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	54271	05/26/23 16:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54396	05/30/23 20:56	CH	EET MID

Client Sample ID: S-4 (1.5')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	54264	05/26/23 15:37	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54208	05/28/23 06:36	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/30/23 09:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54285	05/26/23 17:23	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/29/23 05:20	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	54271	05/26/23 16:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54396	05/30/23 21:01	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-4 (2.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-21
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	54319	05/27/23 13:05	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54338	05/30/23 13:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/31/23 11:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54288	05/26/23 17:29	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/28/23 11:53	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	54271	05/26/23 16:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54396	05/30/23 21:07	CH	EET MID

Client Sample ID: S-4 (3.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-22
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	54319	05/27/23 13:05	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54338	05/30/23 13:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/31/23 11:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54288	05/26/23 17:29	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/28/23 12:59	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	54271	05/26/23 16:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54396	05/30/23 21:12	CH	EET MID

Client Sample ID: S-4 (4.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-23
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	54319	05/27/23 13:05	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54338	05/30/23 14:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/31/23 11:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	54288	05/26/23 17:29	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/28/23 13:21	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	54271	05/26/23 16:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54396	05/30/23 21:17	CH	EET MID

Client Sample ID: S-4 (5.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	54319	05/27/23 13:05	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54338	05/30/23 14:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/31/23 11:47	AJ	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-4 (5.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-24
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			54357	05/30/23 11:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54288	05/26/23 17:29	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/28/23 13:42	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	54271	05/26/23 16:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54396	05/30/23 21:23	CH	EET MID

Client Sample ID: S-5 (0-1.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	54319	05/27/23 13:05	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54338	05/30/23 14:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/31/23 11:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	54288	05/26/23 17:29	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/28/23 14:04	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	54271	05/26/23 16:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54396	05/30/23 21:28	CH	EET MID

Client Sample ID: S-5 (1.5')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	54319	05/27/23 13:05	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54338	05/30/23 15:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/31/23 11:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	54288	05/26/23 17:29	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/28/23 14:26	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	54272	05/26/23 16:16	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54398	05/30/23 18:24	CH	EET MID

Client Sample ID: S-5 (2.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	54319	05/27/23 13:05	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54338	05/30/23 15:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/31/23 11:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54288	05/26/23 17:29	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/28/23 14:48	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-5 (2.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	54272	05/26/23 16:16	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54398	05/30/23 18:40	CH	EET MID

Client Sample ID: S-5 (3.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-28
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	54319	05/27/23 13:05	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54338	05/30/23 15:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/31/23 11:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54288	05/26/23 17:29	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/28/23 15:10	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	54272	05/26/23 16:16	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54398	05/30/23 18:45	CH	EET MID

Client Sample ID: S-5 (4.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	54319	05/27/23 13:05	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54338	05/30/23 16:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/31/23 11:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54288	05/26/23 17:29	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/28/23 15:32	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	54272	05/26/23 16:16	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54398	05/30/23 18:51	CH	EET MID

Client Sample ID: S-5 (5.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-30
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	54319	05/27/23 13:05	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54338	05/30/23 16:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/31/23 11:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	54288	05/26/23 17:29	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/28/23 15:54	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	54272	05/26/23 16:16	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54398	05/30/23 18:56	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-6 (0-1.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	54319	05/27/23 13:05	EL	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	54338	05/30/23 21:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/31/23 11:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	54288	05/26/23 17:29	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	54323	05/28/23 16:38	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	54272	05/26/23 16:16	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54398	05/30/23 19:13	CH	EET MID

Client Sample ID: S-6 (1.5')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-32
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	54319	05/27/23 13:05	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54338	05/30/23 18:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/31/23 11:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54288	05/26/23 17:29	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/28/23 17:01	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	54272	05/26/23 16:16	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54398	05/30/23 19:18	CH	EET MID

Client Sample ID: S-6 (2.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	54319	05/27/23 13:05	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54338	05/30/23 18:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/31/23 11:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54288	05/26/23 17:29	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/28/23 17:23	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	54272	05/26/23 16:16	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54398	05/30/23 19:23	CH	EET MID

Client Sample ID: S-6 (3.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-34
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	54319	05/27/23 13:05	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54338	05/30/23 18:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/31/23 11:47	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-6 (3.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-34
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			54357	05/30/23 11:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54288	05/26/23 17:29	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/28/23 17:45	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	54272	05/26/23 16:16	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54398	05/30/23 19:29	CH	EET MID

Client Sample ID: S-6 (4.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-35
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	54319	05/27/23 13:05	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54338	05/30/23 19:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/31/23 11:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	54288	05/26/23 17:29	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/28/23 18:07	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	54272	05/26/23 16:16	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54398	05/30/23 19:34	CH	EET MID

Client Sample ID: S-6 (5.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-36
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	54319	05/27/23 13:05	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54338	05/30/23 19:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/31/23 11:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54288	05/26/23 17:29	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/28/23 18:30	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	54272	05/26/23 16:16	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54398	05/30/23 19:40	CH	EET MID

Client Sample ID: S-7 (0-1.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-37
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	54319	05/27/23 13:05	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54338	05/30/23 20:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/31/23 11:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54288	05/26/23 17:29	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/28/23 18:52	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-7 (0-1.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-37
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	54272	05/26/23 16:16	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54398	05/30/23 19:56	CH	EET MID

Client Sample ID: S-7 (1.5')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-38
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	54319	05/27/23 13:05	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54338	05/30/23 20:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/31/23 11:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	54288	05/26/23 17:29	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/28/23 19:14	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	54272	05/26/23 16:16	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54398	05/30/23 20:01	CH	EET MID

Client Sample ID: S-7 (2.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-39
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	54319	05/27/23 13:05	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54338	05/30/23 20:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/31/23 11:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54288	05/26/23 17:29	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/28/23 19:36	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	54272	05/26/23 16:16	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54398	05/30/23 20:18	CH	EET MID

Client Sample ID: S-7 (3.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-40
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	54319	05/27/23 13:05	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54338	05/30/23 21:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/31/23 11:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 11:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54288	05/26/23 17:29	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54323	05/28/23 19:58	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	54272	05/26/23 16:16	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54398	05/30/23 20:23	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-7 (4.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-41
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	54363	05/30/23 09:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54337	05/31/23 04:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/31/23 09:57	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 09:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54278	05/26/23 17:20	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54321	05/28/23 17:23	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	54272	05/26/23 16:16	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54398	05/30/23 20:29	CH	EET MID

Client Sample ID: S-7 (5.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-42
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	54363	05/30/23 09:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54337	05/31/23 04:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/31/23 09:57	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 09:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54278	05/26/23 17:20	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54321	05/28/23 17:45	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	54272	05/26/23 16:16	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54398	05/30/23 20:34	CH	EET MID

Client Sample ID: S-8 (0-1.0')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-43
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	54363	05/30/23 09:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54337	05/31/23 05:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/31/23 09:57	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 09:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54278	05/26/23 17:20	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54321	05/28/23 18:07	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	54272	05/26/23 16:16	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	54398	05/30/23 20:39	CH	EET MID

Client Sample ID: S-8 (1.5')
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

Lab Sample ID: 880-28860-44
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	54363	05/30/23 09:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54337	05/31/23 05:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/31/23 09:57	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Client Sample ID: S-8 (1.5')

Lab Sample ID: 880-28860-44
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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			54357	05/30/23 09:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54278	05/26/23 17:20	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54321	05/28/23 18:30	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	54272	05/26/23 16:16	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54398	05/30/23 20:45	CH	EET MID

Client Sample ID: S-8 (2.0')

Lab Sample ID: 880-28860-45
Matrix: Solid
Date Collected: 05/25/23 00:00
Date Received: 05/26/23 13:04

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	54363	05/30/23 09:26	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54337	05/31/23 05:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54352	05/31/23 09:57	AJ	EET MID
Total/NA	Analysis	8015 NM		1			54357	05/30/23 09:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54278	05/26/23 17:20	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54321	05/28/23 18:52	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	54272	05/26/23 16:16	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54398	05/30/23 20:50	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
Job ID: 880-28860-1
Project/Site: Lear State #2H (4.17.23)
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: Lear State #2H (4.17.23)

Job ID: 880-28860-1
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: Lear State #2H (4.17.23)

Job ID: 880-28860-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-28860-1	S-1 (0-1.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-2	S-1 (1.5')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-3	S-1 (2.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-4	S-1 (3.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-5	S-1 (4.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-6	S-1 (5.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-7	S-2 (0-1.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-8	S-2 (1.5')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-9	S-2 (2.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-10	S-2 (3.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-11	S-2 (4.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-12	S-2 (5.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-13	S-3 (0-1.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-14	S-3 (1.5')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-15	S-3 (2.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-16	S-3 (3.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-17	S-3 (4.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-18	S-3 (5.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-19	S-4 (0-1.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-20	S-4 (1.5')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-21	S-4 (2.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-22	S-4 (3.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-23	S-4 (4.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-24	S-4 (5.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-25	S-5 (0-1.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-26	S-5 (1.5')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-27	S-5 (2.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-28	S-5 (3.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-29	S-5 (4.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-30	S-5 (5.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-31	S-6 (0-1.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-32	S-6 (1.5')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-33	S-6 (2.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-34	S-6 (3.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-35	S-6 (4.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-36	S-6 (5.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-37	S-7 (0-1.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-38	S-7 (1.5')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-39	S-7 (2.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-40	S-7 (3.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-41	S-7 (4.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-42	S-7 (5.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-43	S-8 (0-1.0')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-44	S-8 (1.5')	Solid	05/25/23 00:00	05/26/23 13:04
880-28860-45	S-8 (2.0')	Solid	05/25/23 00:00	05/26/23 13:04

Work Order No: 29860

Project Manager	Conner Moehring	Bill to (if different)	Carmona Resources
Company Name	Carmona Resources	Company Name	
Address	310 W Wall St Ste 500	Address	
City State ZIP	Midland, TX 79701	City State ZIP	
Phone	432-813-6823	Email	mcarmona@carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	Lear State #2H (04 17 23)	Turn Around	
Project Number	2022	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date	72 Hrs
Sampler's Name	GPJ		
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	-0.3
Sample Custody Seals	Yes No (N/A)	Temperature Reading	1.4
Total Containers		Corrected Temperature	1.1

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 Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
S-1 (0-1 0')	5/25/2023		X		G	1		X	X	X	
S-1 (1.5')	5/25/2023		X		G	1		X	X	X	
S-1 (2.0')	5/25/2023		X		G	1		X	X	X	
S-1 (3.0')	5/25/2023		X		G	1		X	X	X	
S-1 (4.0')	5/25/2023		X		G	1		X	X	X	
S-1 (5.0')	5/25/2023		X		G	1		X	X	X	
S-2 (0-1.0')	5/25/2023		X		G	1		X	X	X	
S-2 (1 5')	5/25/2023		X		G	1		X	X	X	
S-2 (2 0')	5/25/2023		X		G	1		X	X	X	
S-2 (3 0')	5/25/2023		X		G	1		X	X	X	

880-28860 Chain of Custody

Comments. Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	5/26 - 1:04pm		

Work Order No: 208160

Page 2 of 5

Project Manager	Conner Moehring	Bill to (if different)	Carmona Resources
Company Name	Carmona Resources	Company Name	
Address	310 W Wall St Ste 500	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone	432-813-6823	Email	mcarmona@carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Lear State #2H (04.17.23)	Turn Around	
Project Number	2022	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date	72 Hrs
Sampler's Name	GPJ		
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	-0.3
Sample Custody Seals	Yes No (N/A)	Temperature Reading	1.4
Total Containers		Corrected Temperature	1.1

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
S-2 (4 0')	5/25/2023		X		G	1		X	X	X	
S-2 (5.0')	5/25/2023		X		G	1		X	X	X	
S-3 (0-1.0')	5/25/2023		X		G	1		X	X	X	
S-3 (1 5')	5/25/2023		X		G	1		X	X	X	
S-3 (2 0')	5/25/2023		X		G	1		X	X	X	
S-3 (3 0')	5/25/2023		X		G	1		X	X	X	
S-3 (4 0')	5/25/2023		X		G	1		X	X	X	
S-3 (5 0')	5/25/2023		X		G	1		X	X	X	
S-4 (0-1 0')	5/25/2023		X		G	1		X	X	X	
S-4 (1 5')	5/25/2023		X		G	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

Comments Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	5/26 - 1:04pm		

Work Order No: 298860

Project Manager	Conner Moehring	Bill to (if different)	Carmona Resources
Company Name	Carmona Resources	Company Name	
Address	310 W Wall St Ste 500	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone	432-813-6823	Email	mcarmona@carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Lear State #2H (04.17 23)	Turn Around	
Project Number	2022	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date	72 Hrs
Sampler's Name	GPJ		
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	-0.3
Sample Custody Seals	Yes No (N/A)	Temperature Reading	1.4
Total Containers		Corrected Temperature	1.1

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
S-4 (2 0')	5/25/2023		X		G	1		X	X	X	
S-4 (3.0')	5/25/2023		X		G	1		X	X	X	
S-4 (4.0')	5/25/2023		X		G	1		X	X	X	
S-4 (5.0')	5/25/2023		X		G	1		X	X	X	
S-5 (0-1 0')	5/25/2023		X		G	1		X	X	X	
S-5 (1.5')	5/25/2023		X		G	1		X	X	X	
S-5 (2 0')	5/25/2023		X		G	1		X	X	X	
S-5 (3 0')	5/25/2023		X		G	1		X	X	X	
S-5 (4 0')	5/25/2023		X		G	1		X	X	X	
S-5 (5 0')	5/25/2023		X		G	1		X	X	X	

Comments Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	5/26 - 1:04m		

Work Order No: 28260

Page 4 of 5

Project Manager	Conner Moehring	Bill to (if different)	Carmona Resources
Company Name	Carmona Resources	Company Name	
Address	310 W Wall St Ste 500	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone	432-813-6823	Email	mcarmona@carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	Lear State #2H (04 17 23)	Turn Around	
Project Number	2022	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date	72 Hrs
Sampler's Name	GPJ		
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	-0.3	
Sample Custody Seals	Yes No (N/A)	Temperature Reading	1.4	
Total Containers		Corrected Temperature	1.1	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
S-6 (0-1 0')	5/25/2023		X		G	1	X	X	X	
S-6 (1.5')	5/25/2023		X		G	1	X	X	X	
S-6 (2 0')	5/25/2023		X		G	1	X	X	X	
S-6 (3.0')	5/25/2023		X		G	1	X	X	X	
S-6 (4 0')	5/25/2023		X		G	1	X	X	X	
S-6 (5 0')	5/25/2023		X		G	1	X	X	X	
S-7 (0-1 0')	5/25/2023		X		G	1	X	X	X	
S-7 (1.5')	5/25/2023		X		G	1	X	X	X	
S-7 (2 0')	5/25/2023		X		G	1	X	X	X	
S-7 (3 0')	5/25/2023		X		G	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

Comments. Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	5/26 - 1:04pm		

Work Order No: 28860

Page 5 of 5

Project Manager	Conner Moehring	Bill to (if different)	Carmona Resources
Company Name	Carmona Resources	Company Name	
Address	310 W Wall St Ste 500	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone	432-813-6823	Email	mcarmona@carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	Lear State #2H (04 17 23)	Turn Around	
Project Number	2022	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date	72 Hrs
Sampler's Name	GPJ		
PO #:			

SAMPLE RECEIPT				
Temp Blank	Yes (No)	Wet Ice	(Yes) No	
Received Intact:	(Yes) No	Thermometer ID		T#2
Cooler Custody Seals	Yes No (N/A)	Correction Factor		-0.3
Sample Custody Seals	Yes No (N/A)	Temperature Reading		1.4
Total Containers:		Corrected Temperature		1.1

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
S-7 (4 0')	5/25/2023		X		G	1		X	X	X
S-7 (5.0')	5/25/2023		X		G	1		X	X	X
S-8 (0-1.0')	5/25/2023		X		G	1		X	X	X
S-8 (1 5')	5/25/2023		X		G	1		X	X	X
S-8 (2 0')	5/25/2023		X		G	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

Loc: 880
28860

Comments Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	5/26 - 1:04pm		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-28860-1
SDG Number: Lea County, New Mexico

Login Number: 28860
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 6/26/2023 10:55:47 AM

JOB DESCRIPTION

Lear State #2H (04.17.23)
SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-29968-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

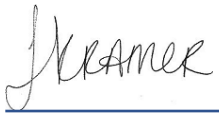
Eurofins Midland

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



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

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Laboratory Job ID: 880-29968-1
SDG: Lea County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-29968-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
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
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: Lear State #2H (04.17.23)

Job ID: 880-29968-1
SDG: Lea County, New Mexico

Job ID: 880-29968-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-29968-1

Receipt
The samples were received on 6/23/2023 3:25 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.2°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (2.5') (880-29968-1), CS-2 (2.5') (880-29968-2), CS-3 (4') (880-29968-3), SW-1 (2.5') (880-29968-4), SW-2 (2.5') (880-29968-5), SW-3 (2.5') (880-29968-6), SW-4 (2.5') (880-29968-7), SW-5 (4') (880-29968-8), SW-6 (4') (880-29968-9), SW-7 (4') (880-29968-10) and SW-8 (4') (880-29968-11).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-56224 and 880-56255 and analytical batch 880-56253 was outside the control limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-56253 recovered below the lower control limit for Benzene. An acceptable CCV was ran within the 12 hour window therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-56253/43).

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
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: Lear State #2H (04.17.23)

Job ID: 880-29968-1
SDG: Lea County, New Mexico

Client Sample ID: CS-1 (2.5')

Lab Sample ID: 880-29968-1
Matrix: Solid
Date Collected: 06/22/23 00:00
Date Received: 06/23/23 15:25

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		06/23/23 15:40	06/25/23 01:13	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/23/23 15:40	06/25/23 01:13	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/23/23 15:40	06/25/23 01:13	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/23/23 15:40	06/25/23 01:13	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/23/23 15:40	06/25/23 01:13	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/23/23 15:40	06/25/23 01:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*70 - 130*	*06/23/23 15:40*	*06/25/23 01:13*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*06/23/23 15:40*	*06/25/23 01:13*	*1*

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			06/26/23 09:22	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			06/26/23 10:51	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		06/23/23 16:24	06/25/23 14:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/23/23 16:24	06/25/23 14:33	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/23/23 16:24	06/25/23 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*06/23/23 16:24*	*06/25/23 14:33*	*1*
o-Terphenyl	*109*		*70 - 130*	*06/23/23 16:24*	*06/25/23 14:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**26.7**		5.00		mg/Kg			06/23/23 17:18	1

Client Sample ID: CS-2 (2.5')

Lab Sample ID: 880-29968-2
Matrix: Solid
Date Collected: 06/22/23 00:00
Date Received: 06/23/23 15:25

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		06/23/23 15:40	06/25/23 01:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/23/23 15:40	06/25/23 01:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/23/23 15:40	06/25/23 01:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/23/23 15:40	06/25/23 01:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/23/23 15:40	06/25/23 01:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/23/23 15:40	06/25/23 01:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*06/23/23 15:40*	*06/25/23 01:34*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*06/23/23 15:40*	*06/25/23 01:34*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-29968-1
SDG: Lea County, New Mexico

Client Sample ID: CS-2 (2.5')

Lab Sample ID: 880-29968-2
Matrix: Solid
Date Collected: 06/22/23 00:00
Date Received: 06/23/23 15:25

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			06/26/23 09:22	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			06/26/23 10:51	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		06/23/23 16:24	06/25/23 14:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/23/23 16:24	06/25/23 14:57	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/23/23 16:24	06/25/23 14:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*06/23/23 16:24*	*06/25/23 14:57*	*1*
o-Terphenyl	*90*		*70 - 130*	*06/23/23 16:24*	*06/25/23 14:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**26.1**		4.98		mg/Kg			06/23/23 17:23	1

Client Sample ID: CS-3 (4')

Lab Sample ID: 880-29968-3
Matrix: Solid
Date Collected: 06/22/23 00:00
Date Received: 06/23/23 15:25

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		06/23/23 15:40	06/25/23 01:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/23/23 15:40	06/25/23 01:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/23/23 15:40	06/25/23 01:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/23/23 15:40	06/25/23 01:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/23/23 15:40	06/25/23 01:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/23/23 15:40	06/25/23 01:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*06/23/23 15:40*	*06/25/23 01:54*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*06/23/23 15:40*	*06/25/23 01:54*	*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			06/26/23 09:22	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			06/26/23 10:51	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		06/23/23 16:24	06/25/23 15:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/23/23 16:24	06/25/23 15:21	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-29968-1
SDG: Lea County, New Mexico

Client Sample ID: CS-3 (4')

Lab Sample ID: 880-29968-3
Matrix: Solid
Date Collected: 06/22/23 00:00
Date Received: 06/23/23 15:25

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		06/23/23 16:24	06/25/23 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*06/23/23 16:24*	*06/25/23 15:21*	*1*
o-Terphenyl	*99*		*70 - 130*	*06/23/23 16:24*	*06/25/23 15:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**31.0**		5.00		mg/Kg			06/23/23 17:38	1

Client Sample ID: SW-1 (2.5')

Lab Sample ID: 880-29968-4
Matrix: Solid
Date Collected: 06/22/23 00:00
Date Received: 06/23/23 15:25

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		06/23/23 15:40	06/25/23 02:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/23/23 15:40	06/25/23 02:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/23/23 15:40	06/25/23 02:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/23/23 15:40	06/25/23 02:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/23/23 15:40	06/25/23 02:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/23/23 15:40	06/25/23 02:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*06/23/23 15:40*	*06/25/23 02:15*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*06/23/23 15:40*	*06/25/23 02:15*	*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			06/26/23 09:22	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			06/26/23 10:51	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		06/23/23 16:24	06/25/23 15:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/23/23 16:24	06/25/23 15:45	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/23/23 16:24	06/25/23 15:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*06/23/23 16:24*	*06/25/23 15:45*	*1*
o-Terphenyl	*86*		*70 - 130*	*06/23/23 16:24*	*06/25/23 15:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**28.0**		4.96		mg/Kg			06/23/23 17:43	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-29968-1
SDG: Lea County, New Mexico

Client Sample ID: SW-2 (2.5')

Lab Sample ID: 880-29968-5
Matrix: Solid
Date Collected: 06/22/23 00:00
Date Received: 06/23/23 15:25

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		06/23/23 15:40	06/25/23 02:35	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/23/23 15:40	06/25/23 02:35	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/23/23 15:40	06/25/23 02:35	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/23/23 15:40	06/25/23 02:35	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/23/23 15:40	06/25/23 02:35	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/23/23 15:40	06/25/23 02:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*06/23/23 15:40*	*06/25/23 02:35*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*06/23/23 15:40*	*06/25/23 02:35*	*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			06/26/23 09:22	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			06/26/23 10:51	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		06/23/23 16:24	06/25/23 16:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/23/23 16:24	06/25/23 16:09	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/23/23 16:24	06/25/23 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*06/23/23 16:24*	*06/25/23 16:09*	*1*
o-Terphenyl	*86*		*70 - 130*	*06/23/23 16:24*	*06/25/23 16:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**37.7**		5.04		mg/Kg			06/23/23 17:59	1

Client Sample ID: SW-3 (2.5')

Lab Sample ID: 880-29968-6
Matrix: Solid
Date Collected: 06/22/23 00:00
Date Received: 06/23/23 15:25

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		06/23/23 15:40	06/25/23 02:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/23/23 15:40	06/25/23 02:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/23/23 15:40	06/25/23 02:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/23/23 15:40	06/25/23 02:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/23/23 15:40	06/25/23 02:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/23/23 15:40	06/25/23 02:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*06/23/23 15:40*	*06/25/23 02:56*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*06/23/23 15:40*	*06/25/23 02:56*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-29968-1
SDG: Lea County, New Mexico

Client Sample ID: SW-3 (2.5')

Lab Sample ID: 880-29968-6
Matrix: Solid
Date Collected: 06/22/23 00:00
Date Received: 06/23/23 15:25

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			06/26/23 09:22	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			06/26/23 10:51	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		06/23/23 16:24	06/25/23 16:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/23/23 16:24	06/25/23 16:35	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/23/23 16:24	06/25/23 16:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*06/23/23 16:24*	*06/25/23 16:35*	*1*
o-Terphenyl	*80*		*70 - 130*	*06/23/23 16:24*	*06/25/23 16:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**28.9**		4.97		mg/Kg			06/23/23 18:04	1

Client Sample ID: SW-4 (2.5')

Lab Sample ID: 880-29968-7
Matrix: Solid
Date Collected: 06/22/23 00:00
Date Received: 06/23/23 15:25

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		06/23/23 15:40	06/25/23 03:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/23/23 15:40	06/25/23 03:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/23/23 15:40	06/25/23 03:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/23/23 15:40	06/25/23 03:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/23/23 15:40	06/25/23 03:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/23/23 15:40	06/25/23 03:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*06/23/23 15:40*	*06/25/23 03:16*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*06/23/23 15:40*	*06/25/23 03:16*	*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			06/26/23 09:22	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			06/26/23 10:51	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		06/23/23 16:24	06/25/23 16:58	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/23/23 16:24	06/25/23 16:58	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-29968-1
SDG: Lea County, New Mexico

Client Sample ID: SW-4 (2.5')

Lab Sample ID: 880-29968-7
Matrix: Solid
Date Collected: 06/22/23 00:00
Date Received: 06/23/23 15:25

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		06/23/23 16:24	06/25/23 16:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*06/23/23 16:24*	*06/25/23 16:58*	*1*
o-Terphenyl	*90*		*70 - 130*	*06/23/23 16:24*	*06/25/23 16:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32.0**		5.00		mg/Kg			06/23/23 18:09	1

Client Sample ID: SW-5 (4')

Lab Sample ID: 880-29968-8
Matrix: Solid
Date Collected: 06/22/23 00:00
Date Received: 06/23/23 15:25

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		06/23/23 15:40	06/25/23 03:37	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/23/23 15:40	06/25/23 03:37	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/23/23 15:40	06/25/23 03:37	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/23/23 15:40	06/25/23 03:37	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/23/23 15:40	06/25/23 03:37	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/23/23 15:40	06/25/23 03:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*06/23/23 15:40*	*06/25/23 03:37*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*06/23/23 15:40*	*06/25/23 03:37*	*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			06/26/23 09:22	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			06/26/23 10:51	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		06/23/23 16:24	06/25/23 17:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/23/23 16:24	06/25/23 17:23	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/23/23 16:24	06/25/23 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*06/23/23 16:24*	*06/25/23 17:23*	*1*
o-Terphenyl	*81*		*70 - 130*	*06/23/23 16:24*	*06/25/23 17:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**27.0**		4.99		mg/Kg			06/23/23 18:14	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-29968-1
SDG: Lea County, New Mexico

Client Sample ID: SW-6 (4')

Lab Sample ID: 880-29968-9
Date Collected: 06/22/23 00:00
Matrix: Solid
Date Received: 06/23/23 15:25

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		06/23/23 15:40	06/25/23 03:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/23/23 15:40	06/25/23 03:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/23/23 15:40	06/25/23 03:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/23/23 15:40	06/25/23 03:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/23/23 15:40	06/25/23 03:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/23/23 15:40	06/25/23 03:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*06/23/23 15:40*	*06/25/23 03:57*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*06/23/23 15:40*	*06/25/23 03:57*	*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			06/26/23 09:22	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			06/26/23 10:51	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		06/23/23 16:24	06/25/23 19:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/23/23 16:24	06/25/23 19:01	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/23/23 16:24	06/25/23 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*06/23/23 16:24*	*06/25/23 19:01*	*1*
o-Terphenyl	*88*		*70 - 130*	*06/23/23 16:24*	*06/25/23 19:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32.1**		4.95		mg/Kg			06/23/23 18:20	1

Client Sample ID: SW-7 (4')

Lab Sample ID: 880-29968-10
Date Collected: 06/22/23 00:00
Matrix: Solid
Date Received: 06/23/23 15:25

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		06/23/23 15:40	06/25/23 04:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/23/23 15:40	06/25/23 04:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/23/23 15:40	06/25/23 04:17	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/23/23 15:40	06/25/23 04:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/23/23 15:40	06/25/23 04:17	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/23/23 15:40	06/25/23 04:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*06/23/23 15:40*	*06/25/23 04:17*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*06/23/23 15:40*	*06/25/23 04:17*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-29968-1
SDG: Lea County, New Mexico

Client Sample ID: SW-7 (4')

Lab Sample ID: 880-29968-10
Matrix: Solid
Date Collected: 06/22/23 00:00
Date Received: 06/23/23 15:25

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			06/26/23 09:22	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			06/26/23 10:51	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		06/23/23 16:24	06/25/23 19:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/23/23 16:24	06/25/23 19:27	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/23/23 16:24	06/25/23 19:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*06/23/23 16:24*	*06/25/23 19:27*	*1*
o-Terphenyl	*93*		*70 - 130*	*06/23/23 16:24*	*06/25/23 19:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**47.4**		4.96		mg/Kg			06/23/23 18:25	1

Client Sample ID: SW-8 (4')

Lab Sample ID: 880-29968-11
Matrix: Solid
Date Collected: 06/22/23 00:00
Date Received: 06/23/23 15:25

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		06/23/23 15:40	06/25/23 05:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/23/23 15:40	06/25/23 05:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/23/23 15:40	06/25/23 05:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/23/23 15:40	06/25/23 05:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/23/23 15:40	06/25/23 05:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/23/23 15:40	06/25/23 05:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*06/23/23 15:40*	*06/25/23 05:40*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*06/23/23 15:40*	*06/25/23 05:40*	*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			06/26/23 09:22	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			06/26/23 10:51	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		06/23/23 16:24	06/25/23 19:51	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/23/23 16:24	06/25/23 19:51	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-29968-1
SDG: Lea County, New Mexico

Client Sample ID: SW-8 (4')

Date Collected: 06/22/23 00:00
Date Received: 06/23/23 15:25

Lab Sample ID: 880-29968-11

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/23/23 16:24	06/25/23 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*06/23/23 16:24*	*06/25/23 19:51*	*1*
o-Terphenyl	*87*		*70 - 130*	*06/23/23 16:24*	*06/25/23 19:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32.3**		5.01		mg/Kg			06/23/23 18:30	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-29968-1
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)
880-29968-1	CS-1 (2.5')	74	97
880-29968-1 MS	CS-1 (2.5')	113	105
880-29968-1 MSD	CS-1 (2.5')	106	105
880-29968-2	CS-2 (2.5')	87	81
880-29968-3	CS-3 (4')	85	74
880-29968-4	SW-1 (2.5')	92	82
880-29968-5	SW-2 (2.5')	88	77
880-29968-6	SW-3 (2.5')	90	78
880-29968-7	SW-4 (2.5')	90	82
880-29968-8	SW-5 (4')	91	79
880-29968-9	SW-6 (4')	88	76
880-29968-10	SW-7 (4')	79	91
880-29968-11	SW-8 (4')	78	85
LCS 880-56224/1-A	Lab Control Sample	107	100
LCSD 880-56224/2-A	Lab Control Sample Dup	108	102
MB 880-56224/5-A	Method Blank	69 S1-	94
MB 880-56255/5-A	Method Blank	66 S1-	102

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)
880-29934-A-21-F MS	Matrix Spike	98	88
880-29934-A-21-G MSD	Matrix Spike Duplicate	97	89
880-29968-1	CS-1 (2.5')	109	109
880-29968-2	CS-2 (2.5')	92	90
880-29968-3	CS-3 (4')	102	99
880-29968-4	SW-1 (2.5')	87	86
880-29968-5	SW-2 (2.5')	88	86
880-29968-6	SW-3 (2.5')	81	80
880-29968-7	SW-4 (2.5')	94	90
880-29968-8	SW-5 (4')	84	81
880-29968-9	SW-6 (4')	89	88
880-29968-10	SW-7 (4')	96	93
880-29968-11	SW-8 (4')	87	87
LCS 880-56232/2-A	Lab Control Sample	94	99
LCSD 880-56232/3-A	Lab Control Sample Dup	92	90
MB 880-56232/1-A	Method Blank	103	109

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-29968-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-56224/5-A
Matrix: Solid
Analysis Batch: 56253

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 56224

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/23/23 15:40	06/25/23 00:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/23/23 15:40	06/25/23 00:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/23/23 15:40	06/25/23 00:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/23/23 15:40	06/25/23 00:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/23/23 15:40	06/25/23 00:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/23/23 15:40	06/25/23 00:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*69*	*S1-*	*70 - 130*	*06/23/23 15:40*	*06/25/23 00:52*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*06/23/23 15:40*	*06/25/23 00:52*	*1*

Lab Sample ID: LCS 880-56224/1-A
Matrix: Solid
Analysis Batch: 56253

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 56224

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1138		mg/Kg		114	70 - 130
Toluene	0.100	0.1071		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.1083		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	0.200	0.2294		mg/Kg		115	70 - 130
o-Xylene	0.100	0.1127		mg/Kg		113	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-56224/2-A
Matrix: Solid
Analysis Batch: 56253

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 56224

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1137		mg/Kg		114	70 - 130	0	35
Toluene	0.100	0.1067		mg/Kg		107	70 - 130	0	35
Ethylbenzene	0.100	0.1059		mg/Kg		106	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2099		mg/Kg		105	70 - 130	9	35
o-Xylene	0.100	0.1032		mg/Kg		103	70 - 130	9	35

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

Lab Sample ID: 880-29968-1 MS
Matrix: Solid
Analysis Batch: 56253

Client Sample ID: CS-1 (2.5')
Prep Type: Total/NA
Prep Batch: 56224

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.0996	0.1232		mg/Kg		124	70 - 130
Toluene	<0.00202	U	0.0996	0.1120		mg/Kg		112	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-29968-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-29968-1 MS
Matrix: Solid
Analysis Batch: 56253

Client Sample ID: CS-1 (2.5')
Prep Type: Total/NA
Prep Batch: 56224

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U	0.0996	0.1164		mg/Kg		117	70 - 130
m-Xylene & p-Xylene	<0.00404	U	0.199	0.2412		mg/Kg		121	70 - 130
o-Xylene	<0.00202	U	0.0996	0.1180		mg/Kg		119	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 880-29968-1 MSD
Matrix: Solid
Analysis Batch: 56253

Client Sample ID: CS-1 (2.5')
Prep Type: Total/NA
Prep Batch: 56224

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0994	0.1135		mg/Kg		114	70 - 130	8	35
Toluene	<0.00202	U	0.0994	0.1040		mg/Kg		105	70 - 130	7	35
Ethylbenzene	<0.00202	U	0.0994	0.09956		mg/Kg		100	70 - 130	16	35
m-Xylene & p-Xylene	<0.00404	U	0.199	0.2029		mg/Kg		102	70 - 130	17	35
o-Xylene	<0.00202	U	0.0994	0.1073		mg/Kg		108	70 - 130	10	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: MB 880-56255/5-A
Matrix: Solid
Analysis Batch: 56253

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 56255

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/24/23 13:41	06/24/23 16:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/23 13:41	06/24/23 16:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/23 13:41	06/24/23 16:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/24/23 13:41	06/24/23 16:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/23 13:41	06/24/23 16:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/24/23 13:41	06/24/23 16:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*66*	*S1-*	*70 - 130*	*06/24/23 13:41*	*06/24/23 16:56*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*06/24/23 13:41*	*06/24/23 16:56*	*1*

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

Lab Sample ID: MB 880-56232/1-A
Matrix: Solid
Analysis Batch: 56262

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 56232

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		06/23/23 16:24	06/25/23 10:25	1

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-29968-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-56232/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 56262 — **Prep Batch: 56232**

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		06/23/23 16:24	06/25/23 10:25	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/23/23 16:24	06/25/23 10:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*06/23/23 16:24*	*06/25/23 10:25*	*1*
o-Terphenyl	*109*		*70 - 130*	*06/23/23 16:24*	*06/25/23 10:25*	*1*

Lab Sample ID: LCS 880-56232/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 56262 — **Prep Batch: 56232**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	878.7		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	977.3		mg/Kg		98	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*94*		*70 - 130*
o-Terphenyl	*99*		*70 - 130*

Lab Sample ID: LCSD 880-56232/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 56262 — **Prep Batch: 56232**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	828.6		mg/Kg		83	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	975.6		mg/Kg		98	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*92*		*70 - 130*
o-Terphenyl	*90*		*70 - 130*

Lab Sample ID: 880-29934-A-21-F MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 56262 — **Prep Batch: 56232**

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	998	990.9		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1078		mg/Kg		107	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*98*		*70 - 130*
o-Terphenyl	*88*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-29968-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-29934-A-21-G MSD
Matrix: Solid
Analysis Batch: 56262

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 56232

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	997	984.1		mg/Kg		97	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1072		mg/Kg		106	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*89*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-56194/1-A
Matrix: Solid
Analysis Batch: 56218

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			06/23/23 15:55	1

Lab Sample ID: LCS 880-56194/2-A
Matrix: Solid
Analysis Batch: 56218

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	251.5		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-56194/3-A
Matrix: Solid
Analysis Batch: 56218

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	251.6		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-29968-2 MS
Matrix: Solid
Analysis Batch: 56218

Client Sample ID: CS-2 (2.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	26.1		249	286.5		mg/Kg		105	90 - 110

Lab Sample ID: 880-29968-2 MSD
Matrix: Solid
Analysis Batch: 56218

Client Sample ID: CS-2 (2.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	26.1		249	279.8		mg/Kg		102	90 - 110	2	20

QC Association Summary

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-29968-1
SDG: Lea County, New Mexico

GC VOA

Prep Batch: 56224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29968-1	CS-1 (2.5')	Total/NA	Solid	5035	
880-29968-2	CS-2 (2.5')	Total/NA	Solid	5035	
880-29968-3	CS-3 (4')	Total/NA	Solid	5035	
880-29968-4	SW-1 (2.5')	Total/NA	Solid	5035	
880-29968-5	SW-2 (2.5')	Total/NA	Solid	5035	
880-29968-6	SW-3 (2.5')	Total/NA	Solid	5035	
880-29968-7	SW-4 (2.5')	Total/NA	Solid	5035	
880-29968-8	SW-5 (4')	Total/NA	Solid	5035	
880-29968-9	SW-6 (4')	Total/NA	Solid	5035	
880-29968-10	SW-7 (4')	Total/NA	Solid	5035	
880-29968-11	SW-8 (4')	Total/NA	Solid	5035	
MB 880-56224/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-56224/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-56224/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-29968-1 MS	CS-1 (2.5')	Total/NA	Solid	5035	
880-29968-1 MSD	CS-1 (2.5')	Total/NA	Solid	5035	

Analysis Batch: 56253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29968-1	CS-1 (2.5')	Total/NA	Solid	8021B	56224
880-29968-2	CS-2 (2.5')	Total/NA	Solid	8021B	56224
880-29968-3	CS-3 (4')	Total/NA	Solid	8021B	56224
880-29968-4	SW-1 (2.5')	Total/NA	Solid	8021B	56224
880-29968-5	SW-2 (2.5')	Total/NA	Solid	8021B	56224
880-29968-6	SW-3 (2.5')	Total/NA	Solid	8021B	56224
880-29968-7	SW-4 (2.5')	Total/NA	Solid	8021B	56224
880-29968-8	SW-5 (4')	Total/NA	Solid	8021B	56224
880-29968-9	SW-6 (4')	Total/NA	Solid	8021B	56224
880-29968-10	SW-7 (4')	Total/NA	Solid	8021B	56224
880-29968-11	SW-8 (4')	Total/NA	Solid	8021B	56224
MB 880-56224/5-A	Method Blank	Total/NA	Solid	8021B	56224
MB 880-56255/5-A	Method Blank	Total/NA	Solid	8021B	56255
LCS 880-56224/1-A	Lab Control Sample	Total/NA	Solid	8021B	56224
LCSD 880-56224/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	56224
880-29968-1 MS	CS-1 (2.5')	Total/NA	Solid	8021B	56224
880-29968-1 MSD	CS-1 (2.5')	Total/NA	Solid	8021B	56224

Prep Batch: 56255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-56255/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 56291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29968-1	CS-1 (2.5')	Total/NA	Solid	Total BTEX	
880-29968-2	CS-2 (2.5')	Total/NA	Solid	Total BTEX	
880-29968-3	CS-3 (4')	Total/NA	Solid	Total BTEX	
880-29968-4	SW-1 (2.5')	Total/NA	Solid	Total BTEX	
880-29968-5	SW-2 (2.5')	Total/NA	Solid	Total BTEX	
880-29968-6	SW-3 (2.5')	Total/NA	Solid	Total BTEX	
880-29968-7	SW-4 (2.5')	Total/NA	Solid	Total BTEX	
880-29968-8	SW-5 (4')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-29968-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 56291 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29968-9	SW-6 (4')	Total/NA	Solid	Total BTEX	
880-29968-10	SW-7 (4')	Total/NA	Solid	Total BTEX	
880-29968-11	SW-8 (4')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 56232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29968-1	CS-1 (2.5')	Total/NA	Solid	8015NM Prep	
880-29968-2	CS-2 (2.5')	Total/NA	Solid	8015NM Prep	
880-29968-3	CS-3 (4')	Total/NA	Solid	8015NM Prep	
880-29968-4	SW-1 (2.5')	Total/NA	Solid	8015NM Prep	
880-29968-5	SW-2 (2.5')	Total/NA	Solid	8015NM Prep	
880-29968-6	SW-3 (2.5')	Total/NA	Solid	8015NM Prep	
880-29968-7	SW-4 (2.5')	Total/NA	Solid	8015NM Prep	
880-29968-8	SW-5 (4')	Total/NA	Solid	8015NM Prep	
880-29968-9	SW-6 (4')	Total/NA	Solid	8015NM Prep	
880-29968-10	SW-7 (4')	Total/NA	Solid	8015NM Prep	
880-29968-11	SW-8 (4')	Total/NA	Solid	8015NM Prep	
MB 880-56232/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-56232/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-56232/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-29934-A-21-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-29934-A-21-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 56262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29968-1	CS-1 (2.5')	Total/NA	Solid	8015B NM	56232
880-29968-2	CS-2 (2.5')	Total/NA	Solid	8015B NM	56232
880-29968-3	CS-3 (4')	Total/NA	Solid	8015B NM	56232
880-29968-4	SW-1 (2.5')	Total/NA	Solid	8015B NM	56232
880-29968-5	SW-2 (2.5')	Total/NA	Solid	8015B NM	56232
880-29968-6	SW-3 (2.5')	Total/NA	Solid	8015B NM	56232
880-29968-7	SW-4 (2.5')	Total/NA	Solid	8015B NM	56232
880-29968-8	SW-5 (4')	Total/NA	Solid	8015B NM	56232
880-29968-9	SW-6 (4')	Total/NA	Solid	8015B NM	56232
880-29968-10	SW-7 (4')	Total/NA	Solid	8015B NM	56232
880-29968-11	SW-8 (4')	Total/NA	Solid	8015B NM	56232
MB 880-56232/1-A	Method Blank	Total/NA	Solid	8015B NM	56232
LCS 880-56232/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	56232
LCSD 880-56232/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	56232
880-29934-A-21-F MS	Matrix Spike	Total/NA	Solid	8015B NM	56232
880-29934-A-21-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	56232

Analysis Batch: 56339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29968-1	CS-1 (2.5')	Total/NA	Solid	8015 NM	
880-29968-2	CS-2 (2.5')	Total/NA	Solid	8015 NM	
880-29968-3	CS-3 (4')	Total/NA	Solid	8015 NM	
880-29968-4	SW-1 (2.5')	Total/NA	Solid	8015 NM	
880-29968-5	SW-2 (2.5')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-29968-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 56339 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29968-6	SW-3 (2.5')	Total/NA	Solid	8015 NM	
880-29968-7	SW-4 (2.5')	Total/NA	Solid	8015 NM	
880-29968-8	SW-5 (4')	Total/NA	Solid	8015 NM	
880-29968-9	SW-6 (4')	Total/NA	Solid	8015 NM	
880-29968-10	SW-7 (4')	Total/NA	Solid	8015 NM	
880-29968-11	SW-8 (4')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 56194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29968-1	CS-1 (2.5')	Soluble	Solid	DI Leach	
880-29968-2	CS-2 (2.5')	Soluble	Solid	DI Leach	
880-29968-3	CS-3 (4')	Soluble	Solid	DI Leach	
880-29968-4	SW-1 (2.5')	Soluble	Solid	DI Leach	
880-29968-5	SW-2 (2.5')	Soluble	Solid	DI Leach	
880-29968-6	SW-3 (2.5')	Soluble	Solid	DI Leach	
880-29968-7	SW-4 (2.5')	Soluble	Solid	DI Leach	
880-29968-8	SW-5 (4')	Soluble	Solid	DI Leach	
880-29968-9	SW-6 (4')	Soluble	Solid	DI Leach	
880-29968-10	SW-7 (4')	Soluble	Solid	DI Leach	
880-29968-11	SW-8 (4')	Soluble	Solid	DI Leach	
MB 880-56194/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-56194/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-56194/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-29968-2 MS	CS-2 (2.5')	Soluble	Solid	DI Leach	
880-29968-2 MSD	CS-2 (2.5')	Soluble	Solid	DI Leach	

Analysis Batch: 56218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29968-1	CS-1 (2.5')	Soluble	Solid	300.0	56194
880-29968-2	CS-2 (2.5')	Soluble	Solid	300.0	56194
880-29968-3	CS-3 (4')	Soluble	Solid	300.0	56194
880-29968-4	SW-1 (2.5')	Soluble	Solid	300.0	56194
880-29968-5	SW-2 (2.5')	Soluble	Solid	300.0	56194
880-29968-6	SW-3 (2.5')	Soluble	Solid	300.0	56194
880-29968-7	SW-4 (2.5')	Soluble	Solid	300.0	56194
880-29968-8	SW-5 (4')	Soluble	Solid	300.0	56194
880-29968-9	SW-6 (4')	Soluble	Solid	300.0	56194
880-29968-10	SW-7 (4')	Soluble	Solid	300.0	56194
880-29968-11	SW-8 (4')	Soluble	Solid	300.0	56194
MB 880-56194/1-A	Method Blank	Soluble	Solid	300.0	56194
LCS 880-56194/2-A	Lab Control Sample	Soluble	Solid	300.0	56194
LCSD 880-56194/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	56194
880-29968-2 MS	CS-2 (2.5')	Soluble	Solid	300.0	56194
880-29968-2 MSD	CS-2 (2.5')	Soluble	Solid	300.0	56194

Lab Chronicle

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-29968-1
SDG: Lea County, New Mexico

Client Sample ID: CS-1 (2.5')

Lab Sample ID: 880-29968-1
Matrix: Solid
Date Collected: 06/22/23 00:00
Date Received: 06/23/23 15:25

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	56224	06/23/23 15:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56253	06/25/23 01:13	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56291	06/26/23 09:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			56339	06/26/23 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56232	06/23/23 16:24	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56262	06/25/23 14:33	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	56194	06/23/23 16:45	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56218	06/23/23 17:18	CH	EET MID

Client Sample ID: CS-2 (2.5')

Lab Sample ID: 880-29968-2
Matrix: Solid
Date Collected: 06/22/23 00:00
Date Received: 06/23/23 15:25

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	56224	06/23/23 15:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56253	06/25/23 01:34	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56291	06/26/23 09:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			56339	06/26/23 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	56232	06/23/23 16:24	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56262	06/25/23 14:57	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	56194	06/23/23 16:45	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56218	06/23/23 17:23	CH	EET MID

Client Sample ID: CS-3 (4')

Lab Sample ID: 880-29968-3
Matrix: Solid
Date Collected: 06/22/23 00:00
Date Received: 06/23/23 15:25

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	56224	06/23/23 15:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56253	06/25/23 01:54	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56291	06/26/23 09:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			56339	06/26/23 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56232	06/23/23 16:24	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56262	06/25/23 15:21	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	56194	06/23/23 16:45	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56218	06/23/23 17:38	CH	EET MID

Client Sample ID: SW-1 (2.5')

Lab Sample ID: 880-29968-4
Matrix: Solid
Date Collected: 06/22/23 00:00
Date Received: 06/23/23 15:25

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	56224	06/23/23 15:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56253	06/25/23 02:15	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56291	06/26/23 09:22	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-29968-1
SDG: Lea County, New Mexico

Client Sample ID: SW-1 (2.5')

Lab Sample ID: 880-29968-4
Matrix: Solid
Date Collected: 06/22/23 00:00
Date Received: 06/23/23 15:25

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			56339	06/26/23 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56232	06/23/23 16:24	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56262	06/25/23 15:45	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	56194	06/23/23 16:45	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56218	06/23/23 17:43	CH	EET MID

Client Sample ID: SW-2 (2.5')

Lab Sample ID: 880-29968-5
Matrix: Solid
Date Collected: 06/22/23 00:00
Date Received: 06/23/23 15:25

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	56224	06/23/23 15:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56253	06/25/23 02:35	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56291	06/26/23 09:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			56339	06/26/23 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	56232	06/23/23 16:24	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56262	06/25/23 16:09	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	56194	06/23/23 16:45	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56218	06/23/23 17:59	CH	EET MID

Client Sample ID: SW-3 (2.5')

Lab Sample ID: 880-29968-6
Matrix: Solid
Date Collected: 06/22/23 00:00
Date Received: 06/23/23 15:25

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	56224	06/23/23 15:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56253	06/25/23 02:56	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56291	06/26/23 09:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			56339	06/26/23 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56232	06/23/23 16:24	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56262	06/25/23 16:35	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	56194	06/23/23 16:45	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56218	06/23/23 18:04	CH	EET MID

Client Sample ID: SW-4 (2.5')

Lab Sample ID: 880-29968-7
Matrix: Solid
Date Collected: 06/22/23 00:00
Date Received: 06/23/23 15:25

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	56224	06/23/23 15:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56253	06/25/23 03:16	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56291	06/26/23 09:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			56339	06/26/23 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	56232	06/23/23 16:24	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56262	06/25/23 16:58	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-29968-1
SDG: Lea County, New Mexico

Client Sample ID: SW-4 (2.5')

Lab Sample ID: 880-29968-7
Matrix: Solid
Date Collected: 06/22/23 00:00
Date Received: 06/23/23 15:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	56194	06/23/23 16:45	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56218	06/23/23 18:09	CH	EET MID

Client Sample ID: SW-5 (4')

Lab Sample ID: 880-29968-8
Matrix: Solid
Date Collected: 06/22/23 00:00
Date Received: 06/23/23 15:25

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	56224	06/23/23 15:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56253	06/25/23 03:37	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56291	06/26/23 09:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			56339	06/26/23 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56232	06/23/23 16:24	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56262	06/25/23 17:23	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	56194	06/23/23 16:45	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56218	06/23/23 18:14	CH	EET MID

Client Sample ID: SW-6 (4')

Lab Sample ID: 880-29968-9
Matrix: Solid
Date Collected: 06/22/23 00:00
Date Received: 06/23/23 15:25

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	56224	06/23/23 15:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56253	06/25/23 03:57	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56291	06/26/23 09:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			56339	06/26/23 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	56232	06/23/23 16:24	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56262	06/25/23 19:01	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	56194	06/23/23 16:45	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56218	06/23/23 18:20	CH	EET MID

Client Sample ID: SW-7 (4')

Lab Sample ID: 880-29968-10
Matrix: Solid
Date Collected: 06/22/23 00:00
Date Received: 06/23/23 15:25

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	56224	06/23/23 15:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56253	06/25/23 04:17	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56291	06/26/23 09:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			56339	06/26/23 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56232	06/23/23 16:24	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56262	06/25/23 19:27	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	56194	06/23/23 16:45	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56218	06/23/23 18:25	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-29968-1
SDG: Lea County, New Mexico

Client Sample ID: SW-8 (4')

Date Collected: 06/22/23 00:00
Date Received: 06/23/23 15:25

Lab Sample ID: 880-29968-11

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	56224	06/23/23 15:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56253	06/25/23 05:40	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56291	06/26/23 09:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			56339	06/26/23 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	56232	06/23/23 16:24	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56262	06/25/23 19:51	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	56194	06/23/23 16:45	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56218	06/23/23 18:30	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: Lear State #2H (04.17.23)

Job ID: 880-29968-1
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: Lear State #2H (04.17.23)

Job ID: 880-29968-1
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: Lear State #2H (04.17.23)

Job ID: 880-29968-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-29968-1	CS-1 (2.5')	Solid	06/22/23 00:00	06/23/23 15:25
880-29968-2	CS-2 (2.5')	Solid	06/22/23 00:00	06/23/23 15:25
880-29968-3	CS-3 (4')	Solid	06/22/23 00:00	06/23/23 15:25
880-29968-4	SW-1 (2.5')	Solid	06/22/23 00:00	06/23/23 15:25
880-29968-5	SW-2 (2.5')	Solid	06/22/23 00:00	06/23/23 15:25
880-29968-6	SW-3 (2.5')	Solid	06/22/23 00:00	06/23/23 15:25
880-29968-7	SW-4 (2.5')	Solid	06/22/23 00:00	06/23/23 15:25
880-29968-8	SW-5 (4')	Solid	06/22/23 00:00	06/23/23 15:25
880-29968-9	SW-6 (4')	Solid	06/22/23 00:00	06/23/23 15:25
880-29968-10	SW-7 (4')	Solid	06/22/23 00:00	06/23/23 15:25
880-29968-11	SW-8 (4')	Solid	06/22/23 00:00	06/23/23 15:25

Work Order No: 29968

Project Manager	Conner Moehring	Bill to (if different)	Carmona Resources
Company Name	Carmona Resources	Company Name	
Address	310 W Wall St Ste 500	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone	432-813-6823	Email	mcarmona@carmonaresources.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	Lear State #2H (04 17 23)	Turn Around	
Project Number	2022	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date	24 Hrs
Sampler's Name	FV		
PO #.			

SAMPLE RECEIPT				
Temp Blank.	Yes No	Wet Ice	Yes No	
Received Intact:	Yes No	Thermometer ID	DF8	
Cooler Custody Seals	Yes No N/A	Correction Factor	-1.3	
Sample Custody Seals	Yes No N/A	Temperature Reading	5.5	
Total Containers		Corrected Temperature.	5.2	

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
CS-1 (2 5')	6/22/2023		X		C	1		X	X	X
CS-2 (2 5')	6/22/2023		X		C	1		X	X	X
CS-3 (4')	6/22/2023		X		C	1		X	X	X
SW-1 (2 5')	6/22/2023		X		C	1		X	X	X
SW-2 (2.5')	6/22/2023		X		C	1		X	X	X
SW-3 (2 5')	6/22/2023		X		C	1		X	X	X
SW-4 (2.5')	6/22/2023		X		C	1		X	X	X
SW-5 (4')	6/22/2023		X		C	1		X	X	X
SW-6 (4')	6/22/2023		X		C	1		X	X	X
SW-7 (4')	6/22/2023		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

402

880-29968 Chain of Custody

Comments Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
Brenna Mass	6-23-23 1525		

6/26/2023

Work Order No: 29968

Page 2 of 2

Project Manager	Conner Moehring	Bill to (if different)	Carmona Resources
Company Name	Carmona Resources	Company Name	
Address	310 W Wall St Ste 500	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone	432-813-6823	Email	mcarmona@carmonaresources.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	Lear State #2H (04 17 23)	Turn Around	
Project Number	2022	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date	24 Hrs
Sampler's Name	FV		
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	

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
SW-8 (4')	6/22/2023		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

Loc: 880
29968

Comments Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
Antonia Ureste	6-23-23 1525		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-29968-1
SDG Number: Lea County, New Mexico

Login Number: 29968
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

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JOB DESCRIPTION

Lear State #2H (04.17.23)
SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-30044-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

Eurofins Midland

Job Notes

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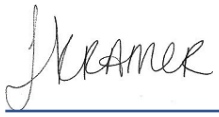
Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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Authorized for release by
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Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Laboratory Job ID: 880-30044-1
SDG: Lea County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

Qualifiers

GC 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.

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

Job ID: 880-30044-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-30044-1

Receipt
The samples were received on 6/27/2023 11:01 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 -3.2°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: CS-4 (3.5') (880-30044-1), CS-5 (3.5') (880-30044-2), CS-6 (1.5') (880-30044-3), CS-7 (1.5') (880-30044-4), CS-8 (1.5') (880-30044-5), CS-9 (1.5') (880-30044-6), CS-10 (1.5') (880-30044-7), CS-11 (1.5') (880-30044-8), CS-12 (1.5') (880-30044-9), CS-13 (1.5') (880-30044-10), SW-9 (3.5') (880-30044-11), SW-10 (3.5') (880-30044-12), SW-11 (3.5') (880-30044-13), SW-12 (3.5') (880-30044-14), SW-13 (3.5') (880-30044-15), SW-14 (3.5') (880-30044-16), SW-15 (1.5') (880-30044-17), SW-16 (1.5') (880-30044-18), SW-17 (1.5') (880-30044-19), SW-18 (1.5') (880-30044-20), SW-19 (1.5') (880-30044-21), SW-20 (1.5') (880-30044-22), SW-21 (1.5') (880-30044-23), SW-22 (1.5') (880-30044-24), SW-23 (1.5') (880-30044-25) and SW-24 (1.5') (880-30044-26).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: (MB 880-56406/5-A) and (MB 880-56424/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-29927-A-2-C). 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-5 (3.5') (880-30044-2) and CS-7 (1.5') (880-30044-4). 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: (880-30044-A-8-B MSD). 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 880-56414 and analytical batch 880-56415 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.

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: SW-16 (1.5') (880-30044-18) and SW-18 (1.5') (880-30044-20). 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: SW-19 (1.5') (880-30044-21), SW-20 (1.5') (880-30044-22), SW-21 (1.5') (880-30044-23), SW-22 (1.5') (880-30044-24), SW-23 (1.5') (880-30044-25), SW-24 (1.5') (880-30044-26), (890-4854-A-7-A), (890-4854-A-7-B MS) and (890-4854-A-7-C 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 880-56292 and analytical batch 880-56450 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.

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: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

Client Sample ID: CS-4 (3.5')

Lab Sample ID: 880-30044-1
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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		06/27/23 11:37	06/27/23 19:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/27/23 11:37	06/27/23 19:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/27/23 11:37	06/27/23 19:40	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/27/23 11:37	06/27/23 19:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/27/23 11:37	06/27/23 19:40	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/27/23 11:37	06/27/23 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*06/27/23 11:37*	*06/27/23 19:40*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*06/27/23 11:37*	*06/27/23 19:40*	*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			06/28/23 08:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**50.5**		49.9		mg/Kg			06/28/23 09:27	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		06/27/23 13:45	06/28/23 01:01	1
Diesel Range Organics (Over C10-C28)	**50.5**		49.9		mg/Kg		06/27/23 13:45	06/28/23 01:01	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/27/23 13:45	06/28/23 01:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*06/27/23 13:45*	*06/28/23 01:01*	*1*
o-Terphenyl	*93*		*70 - 130*	*06/27/23 13:45*	*06/28/23 01:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**33.3**		5.04		mg/Kg			06/27/23 17:06	1

Client Sample ID: CS-5 (3.5')

Lab Sample ID: 880-30044-2
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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		06/27/23 11:37	06/27/23 20:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/27/23 11:37	06/27/23 20:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/27/23 11:37	06/27/23 20:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/27/23 11:37	06/27/23 20:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/27/23 11:37	06/27/23 20:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/27/23 11:37	06/27/23 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*70 - 130*	*06/27/23 11:37*	*06/27/23 20:00*	*1*
1,4-Difluorobenzene (Surr)	*68*	*S1-*	*70 - 130*	*06/27/23 11:37*	*06/27/23 20:00*	*1*

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

Client Sample ID: CS-5 (3.5')

Lab Sample ID: 880-30044-2
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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			06/28/23 08:42	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			06/28/23 09:27	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		06/27/23 13:45	06/28/23 02:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/27/23 13:45	06/28/23 02:09	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/27/23 13:45	06/28/23 02:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*06/27/23 13:45*	*06/28/23 02:09*	*1*
o-Terphenyl	*88*		*70 - 130*	*06/27/23 13:45*	*06/28/23 02:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**30.1**		4.98		mg/Kg			06/27/23 17:23	1

Client Sample ID: CS-6 (1.5')

Lab Sample ID: 880-30044-3
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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		06/27/23 11:37	06/27/23 20:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/27/23 11:37	06/27/23 20:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/27/23 11:37	06/27/23 20:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/27/23 11:37	06/27/23 20:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/27/23 11:37	06/27/23 20:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/27/23 11:37	06/27/23 20:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*71*		*70 - 130*	*06/27/23 11:37*	*06/27/23 20:21*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*06/27/23 11:37*	*06/27/23 20:21*	*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			06/28/23 08:42	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			06/28/23 09:27	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		06/27/23 13:45	06/28/23 02:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/27/23 13:45	06/28/23 02:31	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

Client Sample ID: CS-6 (1.5')

Lab Sample ID: 880-30044-3
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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		06/27/23 13:45	06/28/23 02:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*06/27/23 13:45*	*06/28/23 02:31*	*1*
o-Terphenyl	*86*		*70 - 130*	*06/27/23 13:45*	*06/28/23 02:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**34.0**		4.95		mg/Kg			06/27/23 17:29	1

Client Sample ID: CS-7 (1.5')

Lab Sample ID: 880-30044-4
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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		06/27/23 11:37	06/27/23 20:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/27/23 11:37	06/27/23 20:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/27/23 11:37	06/27/23 20:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/27/23 11:37	06/27/23 20:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/27/23 11:37	06/27/23 20:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/27/23 11:37	06/27/23 20:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*68*	*S1-*	*70 - 130*	*06/27/23 11:37*	*06/27/23 20:42*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*06/27/23 11:37*	*06/27/23 20:42*	*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			06/28/23 08:42	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			06/28/23 09:27	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		06/27/23 13:45	06/28/23 02:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/27/23 13:45	06/28/23 02:54	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/27/23 13:45	06/28/23 02:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*06/27/23 13:45*	*06/28/23 02:54*	*1*
o-Terphenyl	*92*		*70 - 130*	*06/27/23 13:45*	*06/28/23 02:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32.4**		4.95		mg/Kg			06/27/23 17:35	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

Client Sample ID: CS-8 (1.5')

Lab Sample ID: 880-30044-5
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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		06/27/23 11:37	06/27/23 21:02	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/27/23 11:37	06/27/23 21:02	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/27/23 11:37	06/27/23 21:02	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/27/23 11:37	06/27/23 21:02	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/27/23 11:37	06/27/23 21:02	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/27/23 11:37	06/27/23 21:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*06/27/23 11:37*	*06/27/23 21:02*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*06/27/23 11:37*	*06/27/23 21:02*	*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			06/28/23 08:42	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			06/28/23 09:27	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		06/27/23 13:45	06/28/23 03:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/27/23 13:45	06/28/23 03:16	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/27/23 13:45	06/28/23 03:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*06/27/23 13:45*	*06/28/23 03:16*	*1*
o-Terphenyl	*94*		*70 - 130*	*06/27/23 13:45*	*06/28/23 03:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32.4**		5.02		mg/Kg			06/27/23 17:41	1

Client Sample ID: CS-9 (1.5')

Lab Sample ID: 880-30044-6
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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		06/27/23 11:37	06/27/23 21:23	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/27/23 11:37	06/27/23 21:23	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/27/23 11:37	06/27/23 21:23	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/27/23 11:37	06/27/23 21:23	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/27/23 11:37	06/27/23 21:23	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/27/23 11:37	06/27/23 21:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*06/27/23 11:37*	*06/27/23 21:23*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*06/27/23 11:37*	*06/27/23 21:23*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

Client Sample ID: CS-9 (1.5')

Lab Sample ID: 880-30044-6
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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			06/28/23 08:42	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			06/28/23 09:27	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		06/27/23 13:45	06/28/23 03:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/27/23 13:45	06/28/23 03:37	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/27/23 13:45	06/28/23 03:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*06/27/23 13:45*	*06/28/23 03:37*	*1*
o-Terphenyl	*89*		*70 - 130*	*06/27/23 13:45*	*06/28/23 03:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**37.3**		5.01		mg/Kg			06/27/23 17:59	1

Client Sample ID: CS-10 (1.5')

Lab Sample ID: 880-30044-7
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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		06/27/23 11:37	06/27/23 21:43	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/27/23 11:37	06/27/23 21:43	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/27/23 11:37	06/27/23 21:43	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/27/23 11:37	06/27/23 21:43	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/27/23 11:37	06/27/23 21:43	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/27/23 11:37	06/27/23 21:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*70 - 130*	*06/27/23 11:37*	*06/27/23 21:43*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*06/27/23 11:37*	*06/27/23 21:43*	*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			06/28/23 08:42	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			06/28/23 09:27	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		06/27/23 13:45	06/28/23 03:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/27/23 13:45	06/28/23 03:59	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

Client Sample ID: CS-10 (1.5')

Lab Sample ID: 880-30044-7
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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		06/27/23 13:45	06/28/23 03:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*06/27/23 13:45*	*06/28/23 03:59*	*1*
o-Terphenyl	*89*		*70 - 130*	*06/27/23 13:45*	*06/28/23 03:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**33.3**		4.99		mg/Kg			06/27/23 18:04	1

Client Sample ID: CS-11 (1.5')

Lab Sample ID: 880-30044-8
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1	0.00199		mg/Kg		06/27/23 11:45	06/27/23 15:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/27/23 11:45	06/27/23 15:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/27/23 11:45	06/27/23 15:53	1
m-Xylene & p-Xylene	<0.00398	U F1	0.00398		mg/Kg		06/27/23 11:45	06/27/23 15:53	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		06/27/23 11:45	06/27/23 15:53	1
Xylenes, Total	<0.00398	U F1	0.00398		mg/Kg		06/27/23 11:45	06/27/23 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*06/27/23 11:45*	*06/27/23 15:53*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*	*06/27/23 11:45*	*06/27/23 15:53*	*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			06/28/23 16:11	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			06/28/23 09:27	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		06/27/23 13:45	06/28/23 04:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/27/23 13:45	06/28/23 04:20	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/27/23 13:45	06/28/23 04:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*06/27/23 13:45*	*06/28/23 04:20*	*1*
o-Terphenyl	*93*		*70 - 130*	*06/27/23 13:45*	*06/28/23 04:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**35.5**		4.97		mg/Kg			06/27/23 18:10	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

Client Sample ID: CS-12 (1.5')

Lab Sample ID: 880-30044-9
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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		06/27/23 11:45	06/27/23 16:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/27/23 11:45	06/27/23 16:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/27/23 11:45	06/27/23 16:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/27/23 11:45	06/27/23 16:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/27/23 11:45	06/27/23 16:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/27/23 11:45	06/27/23 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*06/27/23 11:45*	*06/27/23 16:14*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*06/27/23 11:45*	*06/27/23 16:14*	*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			06/28/23 16:11	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			06/28/23 09:27	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		06/27/23 13:45	06/28/23 04:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/27/23 13:45	06/28/23 04:41	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/27/23 13:45	06/28/23 04:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*06/27/23 13:45*	*06/28/23 04:41*	*1*
o-Terphenyl	*104*		*70 - 130*	*06/27/23 13:45*	*06/28/23 04:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**33.0**		4.96		mg/Kg			06/27/23 18:16	1

Client Sample ID: CS-13 (1.5')

Lab Sample ID: 880-30044-10
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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		06/27/23 11:45	06/27/23 16:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/27/23 11:45	06/27/23 16:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/27/23 11:45	06/27/23 16:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/27/23 11:45	06/27/23 16:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/27/23 11:45	06/27/23 16:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/27/23 11:45	06/27/23 16:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*06/27/23 11:45*	*06/27/23 16:35*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*06/27/23 11:45*	*06/27/23 16:35*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

Client Sample ID: CS-13 (1.5')

Lab Sample ID: 880-30044-10
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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			06/28/23 16:11	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			06/28/23 09:27	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		06/27/23 13:45	06/28/23 05:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/27/23 13:45	06/28/23 05:02	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/27/23 13:45	06/28/23 05:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*06/27/23 13:45*	*06/28/23 05:02*	*1*
o-Terphenyl	*82*		*70 - 130*	*06/27/23 13:45*	*06/28/23 05:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**34.8**		5.04		mg/Kg			06/27/23 18:22	1

Client Sample ID: SW-9 (3.5')

Lab Sample ID: 880-30044-11
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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		06/27/23 11:45	06/27/23 16:55	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/27/23 11:45	06/27/23 16:55	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/27/23 11:45	06/27/23 16:55	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/27/23 11:45	06/27/23 16:55	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/27/23 11:45	06/27/23 16:55	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/27/23 11:45	06/27/23 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*06/27/23 11:45*	*06/27/23 16:55*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*06/27/23 11:45*	*06/27/23 16:55*	*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			06/28/23 16:11	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			06/28/23 09:27	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		06/27/23 13:45	06/28/23 06:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/27/23 13:45	06/28/23 06:53	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

Client Sample ID: SW-9 (3.5')

Lab Sample ID: 880-30044-11
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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		06/27/23 13:45	06/28/23 06:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*06/27/23 13:45*	*06/28/23 06:53*	*1*
o-Terphenyl	*82*		*70 - 130*	*06/27/23 13:45*	*06/28/23 06:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**31.0**		5.05		mg/Kg			06/27/23 18:28	1

Client Sample ID: SW-10 (3.5')

Lab Sample ID: 880-30044-12
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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		06/27/23 11:45	06/27/23 17:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/27/23 11:45	06/27/23 17:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/27/23 11:45	06/27/23 17:16	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/27/23 11:45	06/27/23 17:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/27/23 11:45	06/27/23 17:16	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/27/23 11:45	06/27/23 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*06/27/23 11:45*	*06/27/23 17:16*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*06/27/23 11:45*	*06/27/23 17:16*	*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			06/28/23 16:11	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			06/28/23 09:27	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		06/27/23 13:45	06/28/23 07:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/27/23 13:45	06/28/23 07:15	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/27/23 13:45	06/28/23 07:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*06/27/23 13:45*	*06/28/23 07:15*	*1*
o-Terphenyl	*84*		*70 - 130*	*06/27/23 13:45*	*06/28/23 07:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**35.3**		4.96		mg/Kg			06/27/23 18:46	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

Client Sample ID: SW-11 (3.5')

Lab Sample ID: 880-30044-13
Date Collected: 06/26/23 00:00
Matrix: Solid
Date Received: 06/27/23 11:01

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		06/27/23 11:45	06/27/23 17:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/27/23 11:45	06/27/23 17:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/27/23 11:45	06/27/23 17:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/27/23 11:45	06/27/23 17:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/27/23 11:45	06/27/23 17:36	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/27/23 11:45	06/27/23 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*06/27/23 11:45*	*06/27/23 17:36*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*06/27/23 11:45*	*06/27/23 17:36*	*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			06/28/23 16:11	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			06/28/23 09:27	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		06/27/23 13:45	06/28/23 07:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/27/23 13:45	06/28/23 07:37	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/27/23 13:45	06/28/23 07:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*06/27/23 13:45*	*06/28/23 07:37*	*1*
o-Terphenyl	*82*		*70 - 130*	*06/27/23 13:45*	*06/28/23 07:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**35.5**		4.99		mg/Kg			06/27/23 18:51	1

Client Sample ID: SW-12 (3.5')

Lab Sample ID: 880-30044-14
Date Collected: 06/26/23 00:00
Matrix: Solid
Date Received: 06/27/23 11:01

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		06/27/23 11:45	06/27/23 17:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/27/23 11:45	06/27/23 17:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/27/23 11:45	06/27/23 17:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/27/23 11:45	06/27/23 17:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/27/23 11:45	06/27/23 17:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/27/23 11:45	06/27/23 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*06/27/23 11:45*	*06/27/23 17:57*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*06/27/23 11:45*	*06/27/23 17:57*	*1*

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

Client Sample ID: SW-12 (3.5')

Lab Sample ID: 880-30044-14
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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			06/28/23 16:11	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			06/28/23 09:27	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		06/27/23 13:45	06/28/23 07:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/27/23 13:45	06/28/23 07:58	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/27/23 13:45	06/28/23 07:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*06/27/23 13:45*	*06/28/23 07:58*	*1*
o-Terphenyl	*91*		*70 - 130*	*06/27/23 13:45*	*06/28/23 07:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**43.8**		4.99		mg/Kg			06/27/23 19:09	1

Client Sample ID: SW-13 (3.5')

Lab Sample ID: 880-30044-15
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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		06/27/23 11:45	06/27/23 18:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/27/23 11:45	06/27/23 18:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/27/23 11:45	06/27/23 18:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/27/23 11:45	06/27/23 18:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/27/23 11:45	06/27/23 18:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/27/23 11:45	06/27/23 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*06/27/23 11:45*	*06/27/23 18:18*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*06/27/23 11:45*	*06/27/23 18:18*	*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			06/28/23 16:11	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			06/28/23 09:27	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		06/27/23 13:45	06/28/23 08:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/27/23 13:45	06/28/23 08:21	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

Client Sample ID: SW-13 (3.5')

Lab Sample ID: 880-30044-15
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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		06/27/23 13:45	06/28/23 08:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*06/27/23 13:45*	*06/28/23 08:21*	*1*
o-Terphenyl	*86*		*70 - 130*	*06/27/23 13:45*	*06/28/23 08:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**33.7**		5.02		mg/Kg			06/27/23 19:15	1

Client Sample ID: SW-14 (3.5')

Lab Sample ID: 880-30044-16
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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		06/27/23 11:45	06/27/23 18:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/27/23 11:45	06/27/23 18:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/27/23 11:45	06/27/23 18:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/27/23 11:45	06/27/23 18:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/27/23 11:45	06/27/23 18:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/27/23 11:45	06/27/23 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*06/27/23 11:45*	*06/27/23 18:38*	*1*
1,4-Difluorobenzene (Surr)	*122*		*70 - 130*	*06/27/23 11:45*	*06/27/23 18:38*	*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			06/28/23 16:11	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			06/28/23 09:27	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		06/27/23 13:45	06/28/23 08:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/27/23 13:45	06/28/23 08:43	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/27/23 13:45	06/28/23 08:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*06/27/23 13:45*	*06/28/23 08:43*	*1*
o-Terphenyl	*93*		*70 - 130*	*06/27/23 13:45*	*06/28/23 08:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**36.0**		5.00		mg/Kg			06/27/23 19:21	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

Client Sample ID: SW-15 (1.5')

Lab Sample ID: 880-30044-17
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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		06/27/23 11:45	06/27/23 18:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/27/23 11:45	06/27/23 18:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/27/23 11:45	06/27/23 18:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/27/23 11:45	06/27/23 18:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/27/23 11:45	06/27/23 18:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/27/23 11:45	06/27/23 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*06/27/23 11:45*	*06/27/23 18:59*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*06/27/23 11:45*	*06/27/23 18:59*	*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			06/28/23 16:11	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			06/28/23 11:41	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		06/27/23 13:45	06/28/23 09:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/27/23 13:45	06/28/23 09:43	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/27/23 13:45	06/28/23 09:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*06/27/23 13:45*	*06/28/23 09:43*	*1*
o-Terphenyl	*87*		*70 - 130*	*06/27/23 13:45*	*06/28/23 09:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**25.7**		4.99		mg/Kg			06/27/23 19:26	1

Client Sample ID: SW-16 (1.5')

Lab Sample ID: 880-30044-18
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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		06/27/23 11:45	06/27/23 20:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/27/23 11:45	06/27/23 20:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/27/23 11:45	06/27/23 20:50	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/27/23 11:45	06/27/23 20:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/27/23 11:45	06/27/23 20:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/27/23 11:45	06/27/23 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*06/27/23 11:45*	*06/27/23 20:50*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*06/27/23 11:45*	*06/27/23 20:50*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

Client Sample ID: SW-16 (1.5')

Lab Sample ID: 880-30044-18
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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			06/28/23 16:11	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			06/28/23 11:41	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		06/27/23 13:45	06/28/23 10:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/27/23 13:45	06/28/23 10:05	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/27/23 13:45	06/28/23 10:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*195*	*S1+*	*70 - 130*	*06/27/23 13:45*	*06/28/23 10:05*	*1*
o-Terphenyl	*177*	*S1+*	*70 - 130*	*06/27/23 13:45*	*06/28/23 10:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**35.9**		5.03		mg/Kg			06/27/23 19:32	1

Client Sample ID: SW-17 (1.5')

Lab Sample ID: 880-30044-19
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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		06/27/23 11:45	06/27/23 21:11	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/27/23 11:45	06/27/23 21:11	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/27/23 11:45	06/27/23 21:11	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/27/23 11:45	06/27/23 21:11	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/27/23 11:45	06/27/23 21:11	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/27/23 11:45	06/27/23 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*06/27/23 11:45*	*06/27/23 21:11*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/27/23 11:45*	*06/27/23 21:11*	*1*

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			06/28/23 16:11	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			06/28/23 11:41	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		06/27/23 13:45	06/28/23 10:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/27/23 13:45	06/28/23 10:27	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

Client Sample ID: SW-17 (1.5')

Lab Sample ID: 880-30044-19
Date Collected: 06/26/23 00:00
Matrix: Solid
Date Received: 06/27/23 11:01

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		06/27/23 13:45	06/28/23 10:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*06/27/23 13:45*	*06/28/23 10:27*	*1*
o-Terphenyl	*85*		*70 - 130*	*06/27/23 13:45*	*06/28/23 10:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**37.0**		5.03		mg/Kg			06/27/23 19:38	1

Client Sample ID: SW-18 (1.5')

Lab Sample ID: 880-30044-20
Date Collected: 06/26/23 00:00
Matrix: Solid
Date Received: 06/27/23 11:01

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		06/27/23 11:45	06/27/23 21:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/27/23 11:45	06/27/23 21:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/27/23 11:45	06/27/23 21:31	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/27/23 11:45	06/27/23 21:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/27/23 11:45	06/27/23 21:31	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/27/23 11:45	06/27/23 21:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*06/27/23 11:45*	*06/27/23 21:31*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*06/27/23 11:45*	*06/27/23 21:31*	*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			06/28/23 16:11	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			06/28/23 11:41	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		06/27/23 13:45	06/28/23 10:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/27/23 13:45	06/28/23 10:51	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/27/23 13:45	06/28/23 10:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*201*	*S1+*	*70 - 130*	*06/27/23 13:45*	*06/28/23 10:51*	*1*
o-Terphenyl	*177*	*S1+*	*70 - 130*	*06/27/23 13:45*	*06/28/23 10:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**30.6**		4.97		mg/Kg			06/27/23 19:44	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

Client Sample ID: SW-19 (1.5')

Lab Sample ID: 880-30044-21
Date Collected: 06/26/23 00:00
Matrix: Solid
Date Received: 06/27/23 11:01

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		06/27/23 11:45	06/27/23 21:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/27/23 11:45	06/27/23 21:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/27/23 11:45	06/27/23 21:52	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/27/23 11:45	06/27/23 21:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/27/23 11:45	06/27/23 21:52	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/27/23 11:45	06/27/23 21:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*06/27/23 11:45*	*06/27/23 21:52*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*06/27/23 11:45*	*06/27/23 21:52*	*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			06/28/23 16:11	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			06/28/23 16:55	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		06/27/23 12:00	06/28/23 12:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/27/23 12:00	06/28/23 12:26	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/27/23 12:00	06/28/23 12:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*158*	*S1+*	*70 - 130*	*06/27/23 12:00*	*06/28/23 12:26*	*1*
o-Terphenyl	*117*		*70 - 130*	*06/27/23 12:00*	*06/28/23 12:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**26.2**		5.02		mg/Kg			06/28/23 10:40	1

Client Sample ID: SW-20 (1.5')

Lab Sample ID: 880-30044-22
Date Collected: 06/26/23 00:00
Matrix: Solid
Date Received: 06/27/23 11:01

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		06/27/23 11:45	06/27/23 22:12	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/27/23 11:45	06/27/23 22:12	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/27/23 11:45	06/27/23 22:12	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/27/23 11:45	06/27/23 22:12	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/27/23 11:45	06/27/23 22:12	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/27/23 11:45	06/27/23 22:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*06/27/23 11:45*	*06/27/23 22:12*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*06/27/23 11:45*	*06/27/23 22:12*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

Client Sample ID: SW-20 (1.5')

Lab Sample ID: 880-30044-22
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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			06/28/23 16:11	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			06/28/23 16:55	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		06/27/23 12:00	06/28/23 12:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/27/23 12:00	06/28/23 12:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/27/23 12:00	06/28/23 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*170*	*S1+*	*70 - 130*	*06/27/23 12:00*	*06/28/23 12:49*	*1*
o-Terphenyl	*122*		*70 - 130*	*06/27/23 12:00*	*06/28/23 12:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**31.3**		4.97		mg/Kg			06/28/23 10:58	1

Client Sample ID: SW-21 (1.5')

Lab Sample ID: 880-30044-23
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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		06/27/23 11:45	06/27/23 22:33	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/27/23 11:45	06/27/23 22:33	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/27/23 11:45	06/27/23 22:33	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/27/23 11:45	06/27/23 22:33	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/27/23 11:45	06/27/23 22:33	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/27/23 11:45	06/27/23 22:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*06/27/23 11:45*	*06/27/23 22:33*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*06/27/23 11:45*	*06/27/23 22:33*	*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			06/28/23 16:11	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			06/28/23 16:55	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		06/27/23 12:00	06/28/23 13:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/27/23 12:00	06/28/23 13:12	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

Client Sample ID: SW-21 (1.5')

Lab Sample ID: 880-30044-23
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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		06/27/23 12:00	06/28/23 13:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*155*	*S1+*	*70 - 130*	*06/27/23 12:00*	*06/28/23 13:12*	*1*
o-Terphenyl	*116*		*70 - 130*	*06/27/23 12:00*	*06/28/23 13:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**35.8**		4.98		mg/Kg			06/28/23 11:04	1

Client Sample ID: SW-22 (1.5')

Lab Sample ID: 880-30044-24
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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		06/27/23 11:45	06/27/23 22:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/27/23 11:45	06/27/23 22:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/27/23 11:45	06/27/23 22:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/27/23 11:45	06/27/23 22:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/27/23 11:45	06/27/23 22:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/27/23 11:45	06/27/23 22:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*06/27/23 11:45*	*06/27/23 22:53*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*06/27/23 11:45*	*06/27/23 22:53*	*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			06/28/23 16:11	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			06/28/23 16:55	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		06/27/23 12:00	06/28/23 13:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/27/23 12:00	06/28/23 13:36	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/27/23 12:00	06/28/23 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*172*	*S1+*	*70 - 130*	*06/27/23 12:00*	*06/28/23 13:36*	*1*
o-Terphenyl	*131*	*S1+*	*70 - 130*	*06/27/23 12:00*	*06/28/23 13:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**35.4**		4.96		mg/Kg			06/28/23 11:10	1

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

Client Sample ID: SW-23 (1.5')

Lab Sample ID: 880-30044-25
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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		06/27/23 11:45	06/27/23 23:14	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/27/23 11:45	06/27/23 23:14	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/27/23 11:45	06/27/23 23:14	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/27/23 11:45	06/27/23 23:14	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/27/23 11:45	06/27/23 23:14	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/27/23 11:45	06/27/23 23:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*06/27/23 11:45*	*06/27/23 23:14*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*06/27/23 11:45*	*06/27/23 23:14*	*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			06/28/23 16:11	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			06/28/23 16:55	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		06/27/23 12:00	06/28/23 13:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/27/23 12:00	06/28/23 13:59	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/27/23 12:00	06/28/23 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*156*	*S1+*	*70 - 130*	*06/27/23 12:00*	*06/28/23 13:59*	*1*
o-Terphenyl	*119*		*70 - 130*	*06/27/23 12:00*	*06/28/23 13:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**25.9**		5.03		mg/Kg			06/28/23 11:15	1

Client Sample ID: SW-24 (1.5')

Lab Sample ID: 880-30044-26
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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		06/27/23 11:45	06/27/23 23:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/27/23 11:45	06/27/23 23:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/27/23 11:45	06/27/23 23:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/27/23 11:45	06/27/23 23:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/27/23 11:45	06/27/23 23:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/27/23 11:45	06/27/23 23:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*06/27/23 11:45*	*06/27/23 23:35*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*06/27/23 11:45*	*06/27/23 23:35*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

Client Sample ID: SW-24 (1.5')

Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

Lab Sample ID: 880-30044-26

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/28/23 16:11	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			06/28/23 16:55	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		06/27/23 12:00	06/28/23 14:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/27/23 12:00	06/28/23 14:23	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/27/23 12:00	06/28/23 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*149*	*S1+*	*70 - 130*	*06/27/23 12:00*	*06/28/23 14:23*	*1*
o-Terphenyl	*116*		*70 - 130*	*06/27/23 12:00*	*06/28/23 14:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**27.1**		4.97		mg/Kg			06/28/23 11:33	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
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)
880-29927-A-2-C MS	Matrix Spike	81	91
880-29927-A-2-E MSD	Matrix Spike Duplicate	76	84
880-30044-1	CS-4 (3.5')	78	89
880-30044-2	CS-5 (3.5')	72	68 S1-
880-30044-3	CS-6 (1.5')	71	92
880-30044-4	CS-7 (1.5')	68 S1-	96
880-30044-5	CS-8 (1.5')	85	85
880-30044-6	CS-9 (1.5')	79	79
880-30044-7	CS-10 (1.5')	74	86
880-30044-8	CS-11 (1.5')	111	118
880-30044-8 MS	CS-11 (1.5')	108	101
880-30044-8 MSD	CS-11 (1.5')	193 S1+	105
880-30044-9	CS-12 (1.5')	99	95
880-30044-10	CS-13 (1.5')	98	97
880-30044-11	SW-9 (3.5')	89	102
880-30044-12	SW-10 (3.5')	102	103
880-30044-13	SW-11 (3.5')	101	98
880-30044-14	SW-12 (3.5')	99	101
880-30044-15	SW-13 (3.5')	95	104
880-30044-16	SW-14 (3.5')	96	122
880-30044-17	SW-15 (1.5')	102	105
880-30044-18	SW-16 (1.5')	86	97
880-30044-19	SW-17 (1.5')	98	99
880-30044-20	SW-18 (1.5')	92	98
880-30044-21	SW-19 (1.5')	99	101
880-30044-22	SW-20 (1.5')	102	114
880-30044-23	SW-21 (1.5')	108	115
880-30044-24	SW-22 (1.5')	98	105
880-30044-25	SW-23 (1.5')	99	103
880-30044-26	SW-24 (1.5')	106	98
LCS 880-56406/1-A	Lab Control Sample	108	103
LCS 880-56414/1-A	Lab Control Sample	92	93
LCSD 880-56406/2-A	Lab Control Sample Dup	108	99
LCSD 880-56414/2-A	Lab Control Sample Dup	101	106
MB 880-56406/5-A	Method Blank	65 S1-	100
MB 880-56414/5-A	Method Blank	100	106

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)
880-30044-1	CS-4 (3.5')	105	93
880-30044-1 MS	CS-4 (3.5')	101	81
880-30044-1 MSD	CS-4 (3.5')	105	85

Surrogate Summary

Client: Carmona Resources
Job ID: 880-30044-1
Project/Site: Lear State #2H (04.17.23)
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)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
880-30044-2	CS-5 (3.5')	101	88								
880-30044-3	CS-6 (1.5')	97	86								
880-30044-4	CS-7 (1.5')	97	92								
880-30044-5	CS-8 (1.5')	100	94								
880-30044-6	CS-9 (1.5')	98	89								
880-30044-7	CS-10 (1.5')	100	89								
880-30044-8	CS-11 (1.5')	104	93								
880-30044-9	CS-12 (1.5')	120	104								
880-30044-10	CS-13 (1.5')	96	82								
880-30044-11	SW-9 (3.5')	92	82								
880-30044-12	SW-10 (3.5')	93	84								
880-30044-13	SW-11 (3.5')	94	82								
880-30044-14	SW-12 (3.5')	103	91								
880-30044-15	SW-13 (3.5')	95	86								
880-30044-16	SW-14 (3.5')	104	93								
880-30044-17	SW-15 (1.5')	95	87								
880-30044-18	SW-16 (1.5')	195 S1+	177 S1+								
880-30044-19	SW-17 (1.5')	96	85								
880-30044-20	SW-18 (1.5')	201 S1+	177 S1+								
880-30044-21	SW-19 (1.5')	158 S1+	117								
880-30044-22	SW-20 (1.5')	170 S1+	122								
880-30044-23	SW-21 (1.5')	155 S1+	116								
880-30044-24	SW-22 (1.5')	172 S1+	131 S1+								
880-30044-25	SW-23 (1.5')	156 S1+	119								
880-30044-26	SW-24 (1.5')	149 S1+	116								
890-4854-A-7-B MS	Matrix Spike	199 S1+	141 S1+								
890-4854-A-7-C MSD	Matrix Spike Duplicate	204 S1+	141 S1+								
LCS 880-56292/2-A	Lab Control Sample	111	99								
LCS 880-56421/2-A	Lab Control Sample	99	101								
LCSD 880-56292/3-A	Lab Control Sample Dup	104	92								
LCSD 880-56421/3-A	Lab Control Sample Dup	92	91								
MB 880-56292/1-A	Method Blank	124	111								
MB 880-56421/1-A	Method Blank	114	119								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-56406/5-A
Matrix: Solid
Analysis Batch: 56407

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 56406

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/27/23 10:54	06/27/23 13:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/27/23 10:54	06/27/23 13:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/27/23 10:54	06/27/23 13:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/27/23 10:54	06/27/23 13:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/27/23 10:54	06/27/23 13:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/27/23 10:54	06/27/23 13:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*65*	*S1-*	*70 - 130*	*06/27/23 10:54*	*06/27/23 13:46*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*06/27/23 10:54*	*06/27/23 13:46*	*1*

Lab Sample ID: LCS 880-56406/1-A
Matrix: Solid
Analysis Batch: 56407

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 56406

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09256		mg/Kg		93	70 - 130		
Toluene			0.100	0.09522		mg/Kg		95	70 - 130		
Ethylbenzene			0.100	0.1067		mg/Kg		107	70 - 130		
m-Xylene & p-Xylene			0.200	0.2206		mg/Kg		110	70 - 130		
o-Xylene			0.100	0.1093		mg/Kg		109	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 880-56406/2-A
Matrix: Solid
Analysis Batch: 56407

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 56406

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.07995		mg/Kg		80	70 - 130	15	35
Toluene			0.100	0.08500		mg/Kg		85	70 - 130	11	35
Ethylbenzene			0.100	0.09286		mg/Kg		93	70 - 130	14	35
m-Xylene & p-Xylene			0.200	0.1945		mg/Kg		97	70 - 130	13	35
o-Xylene			0.100	0.09653		mg/Kg		97	70 - 130	12	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 880-29927-A-2-C MS
Matrix: Solid
Analysis Batch: 56407

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 56406

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-29927-A-2-C MS
Matrix: Solid
Analysis Batch: 56407

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 56406

Surrogate	MS %Recovery	MS Qualifier	Limits
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: 880-29927-A-2-E MSD
Matrix: Solid
Analysis Batch: 56407

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 56406

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.02239		mg/Kg					
Toluene	<0.00200	U	0.100	0.01221		mg/Kg					
Ethylbenzene	<0.00200	U	0.100	0.006872		mg/Kg					
m-Xylene & p-Xylene	<0.00400	U	0.200	0.01116		mg/Kg					
o-Xylene	<0.00200	U	0.100	0.006935		mg/Kg					

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	76		70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: MB 880-56414/5-A
Matrix: Solid
Analysis Batch: 56415

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 56414

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/27/23 11:44	06/27/23 15:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/27/23 11:44	06/27/23 15:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/27/23 11:44	06/27/23 15:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/27/23 11:44	06/27/23 15:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/27/23 11:44	06/27/23 15:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/27/23 11:44	06/27/23 15:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	06/27/23 11:44	06/27/23 15:14	1
1,4-Difluorobenzene (Surr)	106		70 - 130	06/27/23 11:44	06/27/23 15:14	1

Lab Sample ID: LCS 880-56414/1-A
Matrix: Solid
Analysis Batch: 56415

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 56414

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1134		mg/Kg		113	70 - 130
Toluene	0.100	0.1198		mg/Kg		120	70 - 130
Ethylbenzene	0.100	0.09427		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.200	0.1917		mg/Kg		96	70 - 130
o-Xylene	0.100	0.09154		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-56414/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 56415 — **Prep Batch: 56414**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1296		mg/Kg		130	70 - 130	13	35
Toluene			0.100	0.1250		mg/Kg		125	70 - 130	4	35
Ethylbenzene			0.100	0.09813		mg/Kg		98	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.1940		mg/Kg		97	70 - 130	1	35
o-Xylene			0.100	0.1040		mg/Kg		104	70 - 130	13	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: 880-30044-8 MS — **Client Sample ID: CS-11 (1.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 56415 — **Prep Batch: 56414**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U F1	0.101	0.1316	F1	mg/Kg		131	70 - 130
Toluene	<0.00199	U	0.101	0.1311		mg/Kg		130	70 - 130
Ethylbenzene	<0.00199	U	0.101	0.1087		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.202	0.2282		mg/Kg		113	70 - 130
o-Xylene	<0.00199	U F1	0.101	0.1102		mg/Kg		109	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-30044-8 MSD — **Client Sample ID: CS-11 (1.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 56415 — **Prep Batch: 56414**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.100	0.1464	F1	mg/Kg		146	70 - 130	11	35
Toluene	<0.00199	U	0.100	0.1104		mg/Kg		110	70 - 130	17	35
Ethylbenzene	<0.00199	U	0.100	0.1147		mg/Kg		114	70 - 130	5	35
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.3004	F1	mg/Kg		149	70 - 130	27	35
o-Xylene	<0.00199	U F1	0.100	0.1556	F1	mg/Kg		155	70 - 130	34	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*193*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-56292/1-A
Matrix: Solid
Analysis Batch: 56450

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 56292

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		06/26/23 09:23	06/28/23 08:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/26/23 09:23	06/28/23 08:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/26/23 09:23	06/28/23 08:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*06/26/23 09:23*	*06/28/23 08:41*	*1*
o-Terphenyl	*111*		*70 - 130*	*06/26/23 09:23*	*06/28/23 08:41*	*1*

Lab Sample ID: LCS 880-56292/2-A
Matrix: Solid
Analysis Batch: 56450

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 56292

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	758.7		mg/Kg		76	70 - 130
Diesel Range Organics (Over C10-C28)	1000	911.4		mg/Kg		91	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*111*		*70 - 130*
o-Terphenyl	*99*		*70 - 130*

Lab Sample ID: LCSD 880-56292/3-A
Matrix: Solid
Analysis Batch: 56450

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 56292

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	806.4		mg/Kg		81	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	931.5		mg/Kg		93	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*104*		*70 - 130*
o-Terphenyl	*92*		*70 - 130*

Lab Sample ID: 890-4854-A-7-B MS
Matrix: Solid
Analysis Batch: 56450

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 56292

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 F1	998	3026	F1	mg/Kg		303	70 - 130
Diesel Range Organics (Over C10-C28)	379	F1	998	3554	F1	mg/Kg		318	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 890-4854-A-7-B MS
Matrix: Solid
Analysis Batch: 56450

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 56292

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	199	S1+	70 - 130
o-Terphenyl	141	S1+	70 - 130

Lab Sample ID: 890-4854-A-7-C MSD
Matrix: Solid
Analysis Batch: 56450

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 56292

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 F1	997	2891	F1	mg/Kg		290	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	379	F1	997	3583	F1	mg/Kg		321	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	204	S1+	70 - 130
o-Terphenyl	141	S1+	70 - 130

Lab Sample ID: MB 880-56421/1-A
Matrix: Solid
Analysis Batch: 56397

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 56421

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		06/27/23 13:45	06/27/23 23:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/27/23 13:45	06/27/23 23:54	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/27/23 13:45	06/27/23 23:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	06/27/23 13:45	06/27/23 23:54	1
o-Terphenyl	119		70 - 130	06/27/23 13:45	06/27/23 23:54	1

Lab Sample ID: LCS 880-56421/2-A
Matrix: Solid
Analysis Batch: 56397

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 56421

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	869.1		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	1000	877.6		mg/Kg		88	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	101		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-56421/3-A
Matrix: Solid
Analysis Batch: 56397

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 56421

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	885.7		mg/Kg		89	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	867.1		mg/Kg		87	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*92*		*70 - 130*
o-Terphenyl	*91*		*70 - 130*

Lab Sample ID: 880-30044-1 MS
Matrix: Solid
Analysis Batch: 56397

Client Sample ID: CS-4 (3.5')
Prep Type: Total/NA
Prep Batch: 56421

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	998	1113		mg/Kg		111	70 - 130
Diesel Range Organics (Over C10-C28)	50.5		998	1245		mg/Kg		120	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*101*		*70 - 130*
o-Terphenyl	*81*		*70 - 130*

Lab Sample ID: 880-30044-1 MSD
Matrix: Solid
Analysis Batch: 56397

Client Sample ID: CS-4 (3.5')
Prep Type: Total/NA
Prep Batch: 56421

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	1126		mg/Kg		113	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	50.5		998	1280		mg/Kg		123	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*85*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-56418/1-A
Matrix: Solid
Analysis Batch: 56439

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			06/27/23 16:48	1

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-56418/2-A
Matrix: Solid
Analysis Batch: 56439

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	243.5		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-56418/3-A
Matrix: Solid
Analysis Batch: 56439

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	243.4		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-30044-1 MS
Matrix: Solid
Analysis Batch: 56439

Client Sample ID: CS-4 (3.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	33.3		252	278.7		mg/Kg		97	90 - 110		

Lab Sample ID: 880-30044-1 MSD
Matrix: Solid
Analysis Batch: 56439

Client Sample ID: CS-4 (3.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	33.3		252	278.7		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-30044-11 MS
Matrix: Solid
Analysis Batch: 56439

Client Sample ID: SW-9 (3.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	31.0		253	283.6		mg/Kg		100	90 - 110		

Lab Sample ID: 880-30044-11 MSD
Matrix: Solid
Analysis Batch: 56439

Client Sample ID: SW-9 (3.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	31.0		253	284.5		mg/Kg		100	90 - 110	0	20

Lab Sample ID: MB 880-56419/1-A
Matrix: Solid
Analysis Batch: 56443

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			06/28/23 10:23	1

Lab Sample ID: LCS 880-56419/2-A
Matrix: Solid
Analysis Batch: 56443

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	251.9		mg/Kg		101	90 - 110		

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-56419/3-A
Matrix: Solid
Analysis Batch: 56443

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	251.0		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 880-30044-21 MS
Matrix: Solid
Analysis Batch: 56443

Client Sample ID: SW-19 (1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	26.2		251	286.7		mg/Kg		104	90 - 110

Lab Sample ID: 880-30044-21 MSD
Matrix: Solid
Analysis Batch: 56443

Client Sample ID: SW-19 (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	26.2		251	283.7		mg/Kg		103	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

GC VOA

Prep Batch: 56406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30044-1	CS-4 (3.5')	Total/NA	Solid	5035	
880-30044-2	CS-5 (3.5')	Total/NA	Solid	5035	
880-30044-3	CS-6 (1.5')	Total/NA	Solid	5035	
880-30044-4	CS-7 (1.5')	Total/NA	Solid	5035	
880-30044-5	CS-8 (1.5')	Total/NA	Solid	5035	
880-30044-6	CS-9 (1.5')	Total/NA	Solid	5035	
880-30044-7	CS-10 (1.5')	Total/NA	Solid	5035	
MB 880-56406/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-56406/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-56406/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-29927-A-2-C MS	Matrix Spike	Total/NA	Solid	5035	
880-29927-A-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 56407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30044-1	CS-4 (3.5')	Total/NA	Solid	8021B	56406
880-30044-2	CS-5 (3.5')	Total/NA	Solid	8021B	56406
880-30044-3	CS-6 (1.5')	Total/NA	Solid	8021B	56406
880-30044-4	CS-7 (1.5')	Total/NA	Solid	8021B	56406
880-30044-5	CS-8 (1.5')	Total/NA	Solid	8021B	56406
880-30044-6	CS-9 (1.5')	Total/NA	Solid	8021B	56406
880-30044-7	CS-10 (1.5')	Total/NA	Solid	8021B	56406
MB 880-56406/5-A	Method Blank	Total/NA	Solid	8021B	56406
LCS 880-56406/1-A	Lab Control Sample	Total/NA	Solid	8021B	56406
LCSD 880-56406/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	56406
880-29927-A-2-C MS	Matrix Spike	Total/NA	Solid	8021B	56406
880-29927-A-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	56406

Prep Batch: 56414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30044-8	CS-11 (1.5')	Total/NA	Solid	5035	
880-30044-9	CS-12 (1.5')	Total/NA	Solid	5035	
880-30044-10	CS-13 (1.5')	Total/NA	Solid	5035	
880-30044-11	SW-9 (3.5')	Total/NA	Solid	5035	
880-30044-12	SW-10 (3.5')	Total/NA	Solid	5035	
880-30044-13	SW-11 (3.5')	Total/NA	Solid	5035	
880-30044-14	SW-12 (3.5')	Total/NA	Solid	5035	
880-30044-15	SW-13 (3.5')	Total/NA	Solid	5035	
880-30044-16	SW-14 (3.5')	Total/NA	Solid	5035	
880-30044-17	SW-15 (1.5')	Total/NA	Solid	5035	
880-30044-18	SW-16 (1.5')	Total/NA	Solid	5035	
880-30044-19	SW-17 (1.5')	Total/NA	Solid	5035	
880-30044-20	SW-18 (1.5')	Total/NA	Solid	5035	
880-30044-21	SW-19 (1.5')	Total/NA	Solid	5035	
880-30044-22	SW-20 (1.5')	Total/NA	Solid	5035	
880-30044-23	SW-21 (1.5')	Total/NA	Solid	5035	
880-30044-24	SW-22 (1.5')	Total/NA	Solid	5035	
880-30044-25	SW-23 (1.5')	Total/NA	Solid	5035	
880-30044-26	SW-24 (1.5')	Total/NA	Solid	5035	
MB 880-56414/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-56414/1-A	Lab Control Sample	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Prep Batch: 56414 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-56414/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-30044-8 MS	CS-11 (1.5')	Total/NA	Solid	5035	
880-30044-8 MSD	CS-11 (1.5')	Total/NA	Solid	5035	

Analysis Batch: 56415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30044-8	CS-11 (1.5')	Total/NA	Solid	8021B	56414
880-30044-9	CS-12 (1.5')	Total/NA	Solid	8021B	56414
880-30044-10	CS-13 (1.5')	Total/NA	Solid	8021B	56414
880-30044-11	SW-9 (3.5')	Total/NA	Solid	8021B	56414
880-30044-12	SW-10 (3.5')	Total/NA	Solid	8021B	56414
880-30044-13	SW-11 (3.5')	Total/NA	Solid	8021B	56414
880-30044-14	SW-12 (3.5')	Total/NA	Solid	8021B	56414
880-30044-15	SW-13 (3.5')	Total/NA	Solid	8021B	56414
880-30044-16	SW-14 (3.5')	Total/NA	Solid	8021B	56414
880-30044-17	SW-15 (1.5')	Total/NA	Solid	8021B	56414
880-30044-18	SW-16 (1.5')	Total/NA	Solid	8021B	56414
880-30044-19	SW-17 (1.5')	Total/NA	Solid	8021B	56414
880-30044-20	SW-18 (1.5')	Total/NA	Solid	8021B	56414
880-30044-21	SW-19 (1.5')	Total/NA	Solid	8021B	56414
880-30044-22	SW-20 (1.5')	Total/NA	Solid	8021B	56414
880-30044-23	SW-21 (1.5')	Total/NA	Solid	8021B	56414
880-30044-24	SW-22 (1.5')	Total/NA	Solid	8021B	56414
880-30044-25	SW-23 (1.5')	Total/NA	Solid	8021B	56414
880-30044-26	SW-24 (1.5')	Total/NA	Solid	8021B	56414
MB 880-56414/5-A	Method Blank	Total/NA	Solid	8021B	56414
LCS 880-56414/1-A	Lab Control Sample	Total/NA	Solid	8021B	56414
LCSD 880-56414/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	56414
880-30044-8 MS	CS-11 (1.5')	Total/NA	Solid	8021B	56414
880-30044-8 MSD	CS-11 (1.5')	Total/NA	Solid	8021B	56414

Analysis Batch: 56459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30044-1	CS-4 (3.5')	Total/NA	Solid	Total BTEX	
880-30044-2	CS-5 (3.5')	Total/NA	Solid	Total BTEX	
880-30044-3	CS-6 (1.5')	Total/NA	Solid	Total BTEX	
880-30044-4	CS-7 (1.5')	Total/NA	Solid	Total BTEX	
880-30044-5	CS-8 (1.5')	Total/NA	Solid	Total BTEX	
880-30044-6	CS-9 (1.5')	Total/NA	Solid	Total BTEX	
880-30044-7	CS-10 (1.5')	Total/NA	Solid	Total BTEX	
880-30044-8	CS-11 (1.5')	Total/NA	Solid	Total BTEX	
880-30044-9	CS-12 (1.5')	Total/NA	Solid	Total BTEX	
880-30044-10	CS-13 (1.5')	Total/NA	Solid	Total BTEX	
880-30044-11	SW-9 (3.5')	Total/NA	Solid	Total BTEX	
880-30044-12	SW-10 (3.5')	Total/NA	Solid	Total BTEX	
880-30044-13	SW-11 (3.5')	Total/NA	Solid	Total BTEX	
880-30044-14	SW-12 (3.5')	Total/NA	Solid	Total BTEX	
880-30044-15	SW-13 (3.5')	Total/NA	Solid	Total BTEX	
880-30044-16	SW-14 (3.5')	Total/NA	Solid	Total BTEX	
880-30044-17	SW-15 (1.5')	Total/NA	Solid	Total BTEX	
880-30044-18	SW-16 (1.5')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 56459 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30044-19	SW-17 (1.5')	Total/NA	Solid	Total BTEX	
880-30044-20	SW-18 (1.5')	Total/NA	Solid	Total BTEX	
880-30044-21	SW-19 (1.5')	Total/NA	Solid	Total BTEX	
880-30044-22	SW-20 (1.5')	Total/NA	Solid	Total BTEX	
880-30044-23	SW-21 (1.5')	Total/NA	Solid	Total BTEX	
880-30044-24	SW-22 (1.5')	Total/NA	Solid	Total BTEX	
880-30044-25	SW-23 (1.5')	Total/NA	Solid	Total BTEX	
880-30044-26	SW-24 (1.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 56292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30044-21	SW-19 (1.5')	Total/NA	Solid	8015NM Prep	
880-30044-22	SW-20 (1.5')	Total/NA	Solid	8015NM Prep	
880-30044-23	SW-21 (1.5')	Total/NA	Solid	8015NM Prep	
880-30044-24	SW-22 (1.5')	Total/NA	Solid	8015NM Prep	
880-30044-25	SW-23 (1.5')	Total/NA	Solid	8015NM Prep	
880-30044-26	SW-24 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-56292/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-56292/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-56292/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4854-A-7-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4854-A-7-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 56397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30044-1	CS-4 (3.5')	Total/NA	Solid	8015B NM	56421
880-30044-2	CS-5 (3.5')	Total/NA	Solid	8015B NM	56421
880-30044-3	CS-6 (1.5')	Total/NA	Solid	8015B NM	56421
880-30044-4	CS-7 (1.5')	Total/NA	Solid	8015B NM	56421
880-30044-5	CS-8 (1.5')	Total/NA	Solid	8015B NM	56421
880-30044-6	CS-9 (1.5')	Total/NA	Solid	8015B NM	56421
880-30044-7	CS-10 (1.5')	Total/NA	Solid	8015B NM	56421
880-30044-8	CS-11 (1.5')	Total/NA	Solid	8015B NM	56421
880-30044-9	CS-12 (1.5')	Total/NA	Solid	8015B NM	56421
880-30044-10	CS-13 (1.5')	Total/NA	Solid	8015B NM	56421
880-30044-11	SW-9 (3.5')	Total/NA	Solid	8015B NM	56421
880-30044-12	SW-10 (3.5')	Total/NA	Solid	8015B NM	56421
880-30044-13	SW-11 (3.5')	Total/NA	Solid	8015B NM	56421
880-30044-14	SW-12 (3.5')	Total/NA	Solid	8015B NM	56421
880-30044-15	SW-13 (3.5')	Total/NA	Solid	8015B NM	56421
880-30044-16	SW-14 (3.5')	Total/NA	Solid	8015B NM	56421
880-30044-17	SW-15 (1.5')	Total/NA	Solid	8015B NM	56421
880-30044-18	SW-16 (1.5')	Total/NA	Solid	8015B NM	56421
880-30044-19	SW-17 (1.5')	Total/NA	Solid	8015B NM	56421
880-30044-20	SW-18 (1.5')	Total/NA	Solid	8015B NM	56421
MB 880-56421/1-A	Method Blank	Total/NA	Solid	8015B NM	56421
LCS 880-56421/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	56421
LCSD 880-56421/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	56421
880-30044-1 MS	CS-4 (3.5')	Total/NA	Solid	8015B NM	56421

QC Association Summary

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 56397 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30044-1 MSD	CS-4 (3.5')	Total/NA	Solid	8015B NM	56421

Prep Batch: 56421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30044-1	CS-4 (3.5')	Total/NA	Solid	8015NM Prep	
880-30044-2	CS-5 (3.5')	Total/NA	Solid	8015NM Prep	
880-30044-3	CS-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-30044-4	CS-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-30044-5	CS-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-30044-6	CS-9 (1.5')	Total/NA	Solid	8015NM Prep	
880-30044-7	CS-10 (1.5')	Total/NA	Solid	8015NM Prep	
880-30044-8	CS-11 (1.5')	Total/NA	Solid	8015NM Prep	
880-30044-9	CS-12 (1.5')	Total/NA	Solid	8015NM Prep	
880-30044-10	CS-13 (1.5')	Total/NA	Solid	8015NM Prep	
880-30044-11	SW-9 (3.5')	Total/NA	Solid	8015NM Prep	
880-30044-12	SW-10 (3.5')	Total/NA	Solid	8015NM Prep	
880-30044-13	SW-11 (3.5')	Total/NA	Solid	8015NM Prep	
880-30044-14	SW-12 (3.5')	Total/NA	Solid	8015NM Prep	
880-30044-15	SW-13 (3.5')	Total/NA	Solid	8015NM Prep	
880-30044-16	SW-14 (3.5')	Total/NA	Solid	8015NM Prep	
880-30044-17	SW-15 (1.5')	Total/NA	Solid	8015NM Prep	
880-30044-18	SW-16 (1.5')	Total/NA	Solid	8015NM Prep	
880-30044-19	SW-17 (1.5')	Total/NA	Solid	8015NM Prep	
880-30044-20	SW-18 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-56421/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-56421/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-56421/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-30044-1 MS	CS-4 (3.5')	Total/NA	Solid	8015NM Prep	
880-30044-1 MSD	CS-4 (3.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 56450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30044-21	SW-19 (1.5')	Total/NA	Solid	8015B NM	56292
880-30044-22	SW-20 (1.5')	Total/NA	Solid	8015B NM	56292
880-30044-23	SW-21 (1.5')	Total/NA	Solid	8015B NM	56292
880-30044-24	SW-22 (1.5')	Total/NA	Solid	8015B NM	56292
880-30044-25	SW-23 (1.5')	Total/NA	Solid	8015B NM	56292
880-30044-26	SW-24 (1.5')	Total/NA	Solid	8015B NM	56292
MB 880-56292/1-A	Method Blank	Total/NA	Solid	8015B NM	56292
LCS 880-56292/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	56292
LCSD 880-56292/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	56292
890-4854-A-7-B MS	Matrix Spike	Total/NA	Solid	8015B NM	56292
890-4854-A-7-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	56292

Analysis Batch: 56478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30044-1	CS-4 (3.5')	Total/NA	Solid	8015 NM	
880-30044-2	CS-5 (3.5')	Total/NA	Solid	8015 NM	
880-30044-3	CS-6 (1.5')	Total/NA	Solid	8015 NM	
880-30044-4	CS-7 (1.5')	Total/NA	Solid	8015 NM	
880-30044-5	CS-8 (1.5')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 56478 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30044-6	CS-9 (1.5')	Total/NA	Solid	8015 NM	
880-30044-7	CS-10 (1.5')	Total/NA	Solid	8015 NM	
880-30044-8	CS-11 (1.5')	Total/NA	Solid	8015 NM	
880-30044-9	CS-12 (1.5')	Total/NA	Solid	8015 NM	
880-30044-10	CS-13 (1.5')	Total/NA	Solid	8015 NM	
880-30044-11	SW-9 (3.5')	Total/NA	Solid	8015 NM	
880-30044-12	SW-10 (3.5')	Total/NA	Solid	8015 NM	
880-30044-13	SW-11 (3.5')	Total/NA	Solid	8015 NM	
880-30044-14	SW-12 (3.5')	Total/NA	Solid	8015 NM	
880-30044-15	SW-13 (3.5')	Total/NA	Solid	8015 NM	
880-30044-16	SW-14 (3.5')	Total/NA	Solid	8015 NM	
880-30044-17	SW-15 (1.5')	Total/NA	Solid	8015 NM	
880-30044-18	SW-16 (1.5')	Total/NA	Solid	8015 NM	
880-30044-19	SW-17 (1.5')	Total/NA	Solid	8015 NM	
880-30044-20	SW-18 (1.5')	Total/NA	Solid	8015 NM	
880-30044-21	SW-19 (1.5')	Total/NA	Solid	8015 NM	
880-30044-22	SW-20 (1.5')	Total/NA	Solid	8015 NM	
880-30044-23	SW-21 (1.5')	Total/NA	Solid	8015 NM	
880-30044-24	SW-22 (1.5')	Total/NA	Solid	8015 NM	
880-30044-25	SW-23 (1.5')	Total/NA	Solid	8015 NM	
880-30044-26	SW-24 (1.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 56418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30044-1	CS-4 (3.5')	Soluble	Solid	DI Leach	
880-30044-2	CS-5 (3.5')	Soluble	Solid	DI Leach	
880-30044-3	CS-6 (1.5')	Soluble	Solid	DI Leach	
880-30044-4	CS-7 (1.5')	Soluble	Solid	DI Leach	
880-30044-5	CS-8 (1.5')	Soluble	Solid	DI Leach	
880-30044-6	CS-9 (1.5')	Soluble	Solid	DI Leach	
880-30044-7	CS-10 (1.5')	Soluble	Solid	DI Leach	
880-30044-8	CS-11 (1.5')	Soluble	Solid	DI Leach	
880-30044-9	CS-12 (1.5')	Soluble	Solid	DI Leach	
880-30044-10	CS-13 (1.5')	Soluble	Solid	DI Leach	
880-30044-11	SW-9 (3.5')	Soluble	Solid	DI Leach	
880-30044-12	SW-10 (3.5')	Soluble	Solid	DI Leach	
880-30044-13	SW-11 (3.5')	Soluble	Solid	DI Leach	
880-30044-14	SW-12 (3.5')	Soluble	Solid	DI Leach	
880-30044-15	SW-13 (3.5')	Soluble	Solid	DI Leach	
880-30044-16	SW-14 (3.5')	Soluble	Solid	DI Leach	
880-30044-17	SW-15 (1.5')	Soluble	Solid	DI Leach	
880-30044-18	SW-16 (1.5')	Soluble	Solid	DI Leach	
880-30044-19	SW-17 (1.5')	Soluble	Solid	DI Leach	
880-30044-20	SW-18 (1.5')	Soluble	Solid	DI Leach	
MB 880-56418/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-56418/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-56418/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-30044-1 MS	CS-4 (3.5')	Soluble	Solid	DI Leach	
880-30044-1 MSD	CS-4 (3.5')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 56418 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30044-11 MS	SW-9 (3.5')	Soluble	Solid	DI Leach	
880-30044-11 MSD	SW-9 (3.5')	Soluble	Solid	DI Leach	

Leach Batch: 56419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30044-21	SW-19 (1.5')	Soluble	Solid	DI Leach	
880-30044-22	SW-20 (1.5')	Soluble	Solid	DI Leach	
880-30044-23	SW-21 (1.5')	Soluble	Solid	DI Leach	
880-30044-24	SW-22 (1.5')	Soluble	Solid	DI Leach	
880-30044-25	SW-23 (1.5')	Soluble	Solid	DI Leach	
880-30044-26	SW-24 (1.5')	Soluble	Solid	DI Leach	
MB 880-56419/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-56419/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-56419/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-30044-21 MS	SW-19 (1.5')	Soluble	Solid	DI Leach	
880-30044-21 MSD	SW-19 (1.5')	Soluble	Solid	DI Leach	

Analysis Batch: 56439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30044-1	CS-4 (3.5')	Soluble	Solid	300.0	56418
880-30044-2	CS-5 (3.5')	Soluble	Solid	300.0	56418
880-30044-3	CS-6 (1.5')	Soluble	Solid	300.0	56418
880-30044-4	CS-7 (1.5')	Soluble	Solid	300.0	56418
880-30044-5	CS-8 (1.5')	Soluble	Solid	300.0	56418
880-30044-6	CS-9 (1.5')	Soluble	Solid	300.0	56418
880-30044-7	CS-10 (1.5')	Soluble	Solid	300.0	56418
880-30044-8	CS-11 (1.5')	Soluble	Solid	300.0	56418
880-30044-9	CS-12 (1.5')	Soluble	Solid	300.0	56418
880-30044-10	CS-13 (1.5')	Soluble	Solid	300.0	56418
880-30044-11	SW-9 (3.5')	Soluble	Solid	300.0	56418
880-30044-12	SW-10 (3.5')	Soluble	Solid	300.0	56418
880-30044-13	SW-11 (3.5')	Soluble	Solid	300.0	56418
880-30044-14	SW-12 (3.5')	Soluble	Solid	300.0	56418
880-30044-15	SW-13 (3.5')	Soluble	Solid	300.0	56418
880-30044-16	SW-14 (3.5')	Soluble	Solid	300.0	56418
880-30044-17	SW-15 (1.5')	Soluble	Solid	300.0	56418
880-30044-18	SW-16 (1.5')	Soluble	Solid	300.0	56418
880-30044-19	SW-17 (1.5')	Soluble	Solid	300.0	56418
880-30044-20	SW-18 (1.5')	Soluble	Solid	300.0	56418
MB 880-56418/1-A	Method Blank	Soluble	Solid	300.0	56418
LCS 880-56418/2-A	Lab Control Sample	Soluble	Solid	300.0	56418
LCSD 880-56418/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	56418
880-30044-1 MS	CS-4 (3.5')	Soluble	Solid	300.0	56418
880-30044-1 MSD	CS-4 (3.5')	Soluble	Solid	300.0	56418
880-30044-11 MS	SW-9 (3.5')	Soluble	Solid	300.0	56418
880-30044-11 MSD	SW-9 (3.5')	Soluble	Solid	300.0	56418

Analysis Batch: 56443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30044-21	SW-19 (1.5')	Soluble	Solid	300.0	56419
880-30044-22	SW-20 (1.5')	Soluble	Solid	300.0	56419

QC Association Summary

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 56443 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30044-23	SW-21 (1.5')	Soluble	Solid	300.0	56419
880-30044-24	SW-22 (1.5')	Soluble	Solid	300.0	56419
880-30044-25	SW-23 (1.5')	Soluble	Solid	300.0	56419
880-30044-26	SW-24 (1.5')	Soluble	Solid	300.0	56419
MB 880-56419/1-A	Method Blank	Soluble	Solid	300.0	56419
LCS 880-56419/2-A	Lab Control Sample	Soluble	Solid	300.0	56419
LCSD 880-56419/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	56419
880-30044-21 MS	SW-19 (1.5')	Soluble	Solid	300.0	56419
880-30044-21 MSD	SW-19 (1.5')	Soluble	Solid	300.0	56419

Lab Chronicle

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

Client Sample ID: CS-4 (3.5')

Lab Sample ID: 880-30044-1

Date Collected: 06/26/23 00:00
Matrix: Solid
Date Received: 06/27/23 11:01

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	56406	06/27/23 11:37	SM	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56407	06/27/23 19:40	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56459	06/28/23 08:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			56478	06/28/23 09:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56421	06/27/23 13:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56397	06/28/23 01:01	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	56418	06/27/23 12:36	SMC	EET MID
Soluble	Analysis	300.0		1			56439	06/27/23 17:06	CH	EET MID

Client Sample ID: CS-5 (3.5')

Lab Sample ID: 880-30044-2

Date Collected: 06/26/23 00:00
Matrix: Solid
Date Received: 06/27/23 11:01

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	56406	06/27/23 11:37	SM	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56407	06/27/23 20:00	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56459	06/28/23 08:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			56478	06/28/23 09:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56421	06/27/23 13:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56397	06/28/23 02:09	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	56418	06/27/23 12:36	SMC	EET MID
Soluble	Analysis	300.0		1			56439	06/27/23 17:23	CH	EET MID

Client Sample ID: CS-6 (1.5')

Lab Sample ID: 880-30044-3

Date Collected: 06/26/23 00:00
Matrix: Solid
Date Received: 06/27/23 11:01

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	56406	06/27/23 11:37	SM	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56407	06/27/23 20:21	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56459	06/28/23 08:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			56478	06/28/23 09:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56421	06/27/23 13:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56397	06/28/23 02:31	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	56418	06/27/23 12:36	SMC	EET MID
Soluble	Analysis	300.0		1			56439	06/27/23 17:29	CH	EET MID

Client Sample ID: CS-7 (1.5')

Lab Sample ID: 880-30044-4

Date Collected: 06/26/23 00:00
Matrix: Solid
Date Received: 06/27/23 11:01

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	56406	06/27/23 11:37	SM	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56407	06/27/23 20:42	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56459	06/28/23 08:42	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

Client Sample ID: CS-7 (1.5')

Lab Sample ID: 880-30044-4
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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			56478	06/28/23 09:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56421	06/27/23 13:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56397	06/28/23 02:54	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	56418	06/27/23 12:36	SMC	EET MID
Soluble	Analysis	300.0		1			56439	06/27/23 17:35	CH	EET MID

Client Sample ID: CS-8 (1.5')

Lab Sample ID: 880-30044-5
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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	56406	06/27/23 11:37	SM	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56407	06/27/23 21:02	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56459	06/28/23 08:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			56478	06/28/23 09:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56421	06/27/23 13:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56397	06/28/23 03:16	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	56418	06/27/23 12:36	SMC	EET MID
Soluble	Analysis	300.0		1			56439	06/27/23 17:41	CH	EET MID

Client Sample ID: CS-9 (1.5')

Lab Sample ID: 880-30044-6
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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	56406	06/27/23 11:37	SM	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56407	06/27/23 21:23	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56459	06/28/23 08:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			56478	06/28/23 09:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56421	06/27/23 13:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56397	06/28/23 03:37	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	56418	06/27/23 12:36	SMC	EET MID
Soluble	Analysis	300.0		1			56439	06/27/23 17:59	CH	EET MID

Client Sample ID: CS-10 (1.5')

Lab Sample ID: 880-30044-7
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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	56406	06/27/23 11:37	SM	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56407	06/27/23 21:43	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56459	06/28/23 08:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			56478	06/28/23 09:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56421	06/27/23 13:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56397	06/28/23 03:59	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

Client Sample ID: CS-10 (1.5')

Lab Sample ID: 880-30044-7
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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	56418	06/27/23 12:36	SMC	EET MID
Soluble	Analysis	300.0		1			56439	06/27/23 18:04	CH	EET MID

Client Sample ID: CS-11 (1.5')

Lab Sample ID: 880-30044-8
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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	56414	06/27/23 11:45	SM	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56415	06/27/23 15:53	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56459	06/28/23 16:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			56478	06/28/23 09:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56421	06/27/23 13:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56397	06/28/23 04:20	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	56418	06/27/23 12:36	SMC	EET MID
Soluble	Analysis	300.0		1			56439	06/27/23 18:10	CH	EET MID

Client Sample ID: CS-12 (1.5')

Lab Sample ID: 880-30044-9
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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	56414	06/27/23 11:45	SM	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56415	06/27/23 16:14	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56459	06/28/23 16:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			56478	06/28/23 09:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56421	06/27/23 13:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56397	06/28/23 04:41	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	56418	06/27/23 12:36	SMC	EET MID
Soluble	Analysis	300.0		1			56439	06/27/23 18:16	CH	EET MID

Client Sample ID: CS-13 (1.5')

Lab Sample ID: 880-30044-10
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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	56414	06/27/23 11:45	SM	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56415	06/27/23 16:35	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56459	06/28/23 16:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			56478	06/28/23 09:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	56421	06/27/23 13:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56397	06/28/23 05:02	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	56418	06/27/23 12:36	SMC	EET MID
Soluble	Analysis	300.0		1			56439	06/27/23 18:22	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

Client Sample ID: SW-9 (3.5')

Lab Sample ID: 880-30044-11
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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	56414	06/27/23 11:45	SM	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56415	06/27/23 16:55	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56459	06/28/23 16:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			56478	06/28/23 09:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56421	06/27/23 13:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56397	06/28/23 06:53	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	56418	06/27/23 12:36	SMC	EET MID
Soluble	Analysis	300.0		1			56439	06/27/23 18:28	CH	EET MID

Client Sample ID: SW-10 (3.5')

Lab Sample ID: 880-30044-12
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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	56414	06/27/23 11:45	SM	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56415	06/27/23 17:16	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56459	06/28/23 16:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			56478	06/28/23 09:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56421	06/27/23 13:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56397	06/28/23 07:15	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	56418	06/27/23 12:36	SMC	EET MID
Soluble	Analysis	300.0		1			56439	06/27/23 18:46	CH	EET MID

Client Sample ID: SW-11 (3.5')

Lab Sample ID: 880-30044-13
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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	56414	06/27/23 11:45	SM	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56415	06/27/23 17:36	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56459	06/28/23 16:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			56478	06/28/23 09:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56421	06/27/23 13:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56397	06/28/23 07:37	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	56418	06/27/23 12:36	SMC	EET MID
Soluble	Analysis	300.0		1			56439	06/27/23 18:51	CH	EET MID

Client Sample ID: SW-12 (3.5')

Lab Sample ID: 880-30044-14
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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	56414	06/27/23 11:45	SM	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56415	06/27/23 17:57	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56459	06/28/23 16:11	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

Client Sample ID: SW-12 (3.5')

Lab Sample ID: 880-30044-14
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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			56478	06/28/23 09:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	56421	06/27/23 13:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56397	06/28/23 07:58	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	56418	06/27/23 12:36	SMC	EET MID
Soluble	Analysis	300.0		1			56439	06/27/23 19:09	CH	EET MID

Client Sample ID: SW-13 (3.5')

Lab Sample ID: 880-30044-15
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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	56414	06/27/23 11:45	SM	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56415	06/27/23 18:18	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56459	06/28/23 16:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			56478	06/28/23 09:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56421	06/27/23 13:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56397	06/28/23 08:21	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	56418	06/27/23 12:36	SMC	EET MID
Soluble	Analysis	300.0		1			56439	06/27/23 19:15	CH	EET MID

Client Sample ID: SW-14 (3.5')

Lab Sample ID: 880-30044-16
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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	56414	06/27/23 11:45	SM	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56415	06/27/23 18:38	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56459	06/28/23 16:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			56478	06/28/23 09:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	56421	06/27/23 13:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56397	06/28/23 08:43	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	56418	06/27/23 12:36	SMC	EET MID
Soluble	Analysis	300.0		1			56439	06/27/23 19:21	CH	EET MID

Client Sample ID: SW-15 (1.5')

Lab Sample ID: 880-30044-17
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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	56414	06/27/23 11:45	SM	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56415	06/27/23 18:59	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56459	06/28/23 16:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			56478	06/28/23 11:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56421	06/27/23 13:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56397	06/28/23 09:43	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

Client Sample ID: SW-15 (1.5')
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

Lab Sample ID: 880-30044-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	56418	06/27/23 12:36	SMC	EET MID
Soluble	Analysis	300.0		1			56439	06/27/23 19:26	CH	EET MID

Client Sample ID: SW-16 (1.5')
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

Lab Sample ID: 880-30044-18
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			4.97 g	5 mL	56414	06/27/23 11:45	SM	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56415	06/27/23 20:50	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56459	06/28/23 16:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			56478	06/28/23 11:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56421	06/27/23 13:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56397	06/28/23 10:05	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	56418	06/27/23 12:36	SMC	EET MID
Soluble	Analysis	300.0		1			56439	06/27/23 19:32	CH	EET MID

Client Sample ID: SW-17 (1.5')
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

Lab Sample ID: 880-30044-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	56414	06/27/23 11:45	SM	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56415	06/27/23 21:11	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56459	06/28/23 16:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			56478	06/28/23 11:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56421	06/27/23 13:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56397	06/28/23 10:27	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	56418	06/27/23 12:36	SMC	EET MID
Soluble	Analysis	300.0		1			56439	06/27/23 19:38	CH	EET MID

Client Sample ID: SW-18 (1.5')
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

Lab Sample ID: 880-30044-20
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			4.99 g	5 mL	56414	06/27/23 11:45	SM	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56415	06/27/23 21:31	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56459	06/28/23 16:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			56478	06/28/23 11:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56421	06/27/23 13:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56397	06/28/23 10:51	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	56418	06/27/23 12:36	SMC	EET MID
Soluble	Analysis	300.0		1			56439	06/27/23 19:44	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

Client Sample ID: SW-19 (1.5')

Lab Sample ID: 880-30044-21
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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	56414	06/27/23 11:45	SM	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56415	06/27/23 21:52	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56459	06/28/23 16:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			56478	06/28/23 16:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56292	06/27/23 12:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56450	06/28/23 12:26	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	56419	06/27/23 12:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56443	06/28/23 10:40	CH	EET MID

Client Sample ID: SW-20 (1.5')

Lab Sample ID: 880-30044-22
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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	56414	06/27/23 11:45	SM	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56415	06/27/23 22:12	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56459	06/28/23 16:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			56478	06/28/23 16:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	56292	06/27/23 12:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56450	06/28/23 12:49	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	56419	06/27/23 12:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56443	06/28/23 10:58	CH	EET MID

Client Sample ID: SW-21 (1.5')

Lab Sample ID: 880-30044-23
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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	56414	06/27/23 11:45	SM	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56415	06/27/23 22:33	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56459	06/28/23 16:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			56478	06/28/23 16:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	56292	06/27/23 12:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56450	06/28/23 13:12	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	56419	06/27/23 12:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56443	06/28/23 11:04	CH	EET MID

Client Sample ID: SW-22 (1.5')

Lab Sample ID: 880-30044-24
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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	56414	06/27/23 11:45	SM	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56415	06/27/23 22:53	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56459	06/28/23 16:11	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

Client Sample ID: SW-22 (1.5')

Lab Sample ID: 880-30044-24
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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			56478	06/28/23 16:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56292	06/27/23 12:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56450	06/28/23 13:36	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	56419	06/27/23 12:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56443	06/28/23 11:10	CH	EET MID

Client Sample ID: SW-23 (1.5')

Lab Sample ID: 880-30044-25
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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	56414	06/27/23 11:45	SM	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56415	06/27/23 23:14	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56459	06/28/23 16:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			56478	06/28/23 16:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56292	06/27/23 12:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56450	06/28/23 13:59	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	56419	06/27/23 12:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56443	06/28/23 11:15	CH	EET MID

Client Sample ID: SW-24 (1.5')

Lab Sample ID: 880-30044-26
Matrix: Solid
Date Collected: 06/26/23 00:00
Date Received: 06/27/23 11:01

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	56414	06/27/23 11:45	SM	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56415	06/27/23 23:35	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56459	06/28/23 16:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			56478	06/28/23 16:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56292	06/27/23 12:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56450	06/28/23 14:23	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	56419	06/27/23 12:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56443	06/28/23 11:33	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: Lear State #2H (04.17.23)

Job ID: 880-30044-1
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: Lear State #2H (04.17.23)

Job ID: 880-30044-1
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: Lear State #2H (04.17.23)

Job ID: 880-30044-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-30044-1	CS-4 (3.5')	Solid	06/26/23 00:00	06/27/23 11:01
880-30044-2	CS-5 (3.5')	Solid	06/26/23 00:00	06/27/23 11:01
880-30044-3	CS-6 (1.5')	Solid	06/26/23 00:00	06/27/23 11:01
880-30044-4	CS-7 (1.5')	Solid	06/26/23 00:00	06/27/23 11:01
880-30044-5	CS-8 (1.5')	Solid	06/26/23 00:00	06/27/23 11:01
880-30044-6	CS-9 (1.5')	Solid	06/26/23 00:00	06/27/23 11:01
880-30044-7	CS-10 (1.5')	Solid	06/26/23 00:00	06/27/23 11:01
880-30044-8	CS-11 (1.5')	Solid	06/26/23 00:00	06/27/23 11:01
880-30044-9	CS-12 (1.5')	Solid	06/26/23 00:00	06/27/23 11:01
880-30044-10	CS-13 (1.5')	Solid	06/26/23 00:00	06/27/23 11:01
880-30044-11	SW-9 (3.5')	Solid	06/26/23 00:00	06/27/23 11:01
880-30044-12	SW-10 (3.5')	Solid	06/26/23 00:00	06/27/23 11:01
880-30044-13	SW-11 (3.5')	Solid	06/26/23 00:00	06/27/23 11:01
880-30044-14	SW-12 (3.5')	Solid	06/26/23 00:00	06/27/23 11:01
880-30044-15	SW-13 (3.5')	Solid	06/26/23 00:00	06/27/23 11:01
880-30044-16	SW-14 (3.5')	Solid	06/26/23 00:00	06/27/23 11:01
880-30044-17	SW-15 (1.5')	Solid	06/26/23 00:00	06/27/23 11:01
880-30044-18	SW-16 (1.5')	Solid	06/26/23 00:00	06/27/23 11:01
880-30044-19	SW-17 (1.5')	Solid	06/26/23 00:00	06/27/23 11:01
880-30044-20	SW-18 (1.5')	Solid	06/26/23 00:00	06/27/23 11:01
880-30044-21	SW-19 (1.5')	Solid	06/26/23 00:00	06/27/23 11:01
880-30044-22	SW-20 (1.5')	Solid	06/26/23 00:00	06/27/23 11:01
880-30044-23	SW-21 (1.5')	Solid	06/26/23 00:00	06/27/23 11:01
880-30044-24	SW-22 (1.5')	Solid	06/26/23 00:00	06/27/23 11:01
880-30044-25	SW-23 (1.5')	Solid	06/26/23 00:00	06/27/23 11:01
880-30044-26	SW-24 (1.5')	Solid	06/26/23 00:00	06/27/23 11:01

Work Order No: 30044

6/28/2023

Page 1 of 3

Project Manager	Conner Moehring	Bill to (if different)	Carmona Resources
Company Name	Carmona Resources	Company Name	
Address	310 W Wall St Ste 500	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone	432-813-6823	Email	mcarmona@carmonaresources.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	Lear State #2H (04 17 23)	Turn Around	
Project Number	2022	☐ Routine ☑ Rush	
Project Location	Lea County, New Mexico	Due Date	24 Hrs
Sampler's Name	FV		
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	-0.0
Sample Custody Seals	Yes No N/A	Temperature Reading	-2.9
Total Containers		Corrected Temperature	-3.2

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 300 0
CS-4 (3 5')	6/26/2023		X		C	1		X	X	X
CS-5 (3 5')	6/26/2023		X		C	1		X	X	X
CS-6 (1 5')	6/26/2023		X		C	1		X	X	X
CS-7 (1 5')	6/26/2023		X		C	1		X	X	X
CS-8 (1 5')	6/26/2023		X		C	1		X	X	X
CS-9 (1 5')	6/26/2023		X		C	1		X	X	X
CS-10 (1 5')	6/26/2023		X		C	1		X	X	X
CS-11 (1 5')	6/26/2023		X		C	1		X	X	X
CS-12 (1 5')	6/26/2023		X		C	1		X	X	X
CS-13 (1 5')	6/26/2023		X		C	1		X	X	X

ANALYSIS REQUEST

Sample Comments

402

880-30044 Chain of Custody

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
Ariana Arias	6-27-23 1101		

Chain of Custody

Work Order No: 30044

6/28/2023

Page 2 of 3

Project Manager	Conner Moehring	Bill to (if different)	Carmona Resources
Company Name.	Carmona Resources	Company Name	
Address.	310 W Wall St Ste 500	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone.	432-813-6823	Email	mcarmona@carmonaresources.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	Lear State #2H (04 17 23)	Turn Around	
Project Number	2022	☐ Routine ☑ Rush	
Project Location	Lea County, New Mexico	Due Date	24 Hrs
Sampler's Name.	FV		
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
SW-9 (3 5')	6/26/2023		X		C	1		X	X	X	
SW-10 (3 5')	6/26/2023		X		C	1		X	X	X	
SW-11 (3 5')	6/26/2023		X		C	1		X	X	X	
SW-12 (3 5')	6/26/2023		X		C	1		X	X	X	
SW-13 (3 5')	6/26/2023		X		C	1		X	X	X	
SW-14 (3 5')	6/26/2023		X		C	1		X	X	X	
SW-15 (1 5')	6/26/2023		X		C	1		X	X	X	
SW-16 (1 5')	6/26/2023		X		C	1		X	X	X	
SW-17 (1 5')	6/26/2023		X		C	1		X	X	X	
SW-18 (1 5')	6/26/2023		X		C	1		X	X	X	

Comments Email to Mike Carmona / Mcarmona@carmonaresources com and Conner Moehring / Cmoehring@carmonaresources com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
Amanda Arias	6-27-23 1101		

Chain of Custody

Work Order No: 30044

6/28/2023

Page 3 of 3

Project Manager	Conner Moehring	Bill to (if different)	Carmona Resources
Company Name	Carmona Resources	Company Name	
Address.	310 W Wall St Ste 500	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone	432-813-6823	Email	mcarmona@carmonaresources 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	Lear State #2H (04 17 23)	Turn Around	
Project Number	2022	☐ Routine ☑ Rush	
Project Location	Lea County, New Mexico	Due Date	24 Hrs
Sampler's Name	FV		
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_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
SW-19 (1 5')	6/26/2023		X		C	1		X	X	X	
SW-20 (1 5')	6/26/2023		X		C	1		X	X	X	
SW-21 (1 5')	6/26/2023		X		C	1		X	X	X	
SW-22 (1 5')	6/26/2023		X		C	1		X	X	X	
SW-23 (1 5')	6/26/2023		X		C	1		X	X	X	
SW-24 (1 5')	6/26/2023		X		C	1		X	X	X	

Loc: 880
30044

Comments Email to Mike Carmona / Mcarmona@carmonaresources com and Conner Moehring / Cmoehring@carmonaresources com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
Mcarmona Moehring	6-27-23 1101		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-30044-1
SDG Number: Lea County, New Mexico

Login Number: 30044
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mike Carmona
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 7/24/2023 4:08:19 PM

JOB DESCRIPTION

Lear State #2G (04.17.23)
SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-31073-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

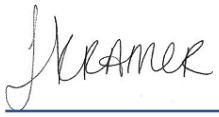
Eurofins Midland

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



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

Client: Carmona Resources
Project/Site: Lear State #2G (04.17.23)

Laboratory Job ID: 880-31073-1
SDG: Lea County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Lear State #2G (04.17.23)

Job ID: 880-31073-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low 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
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: Lear State #2G (04.17.23)

Job ID: 880-31073-1
SDG: Lea County, New Mexico

Job ID: 880-31073-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-31073-1

Receipt
The sample was received on 7/21/2023 3:08 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 4.3°C

Receipt Exceptions
The following sample was received and analyzed from an unpreserved bulk soil jar: S-3 (5.5') (880-31073-1).

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: S-3 (5.5') (880-31073-1). 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 sample was outside control limits: (MB 880-57822/1-A). 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: (CCV 880-58306/5). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (890-4921-A-1-H MS) and (890-4921-A-1-I 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: Carmona Resources
Project/Site: Lear State #2G (04.17.23)

Job ID: 880-31073-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (5.5')

Date Collected: 07/20/23 00:00
Date Received: 07/21/23 15:08

Lab Sample ID: 880-31073-1

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		07/24/23 08:45	07/24/23 12:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/24/23 08:45	07/24/23 12:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/24/23 08:45	07/24/23 12:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/24/23 08:45	07/24/23 12:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/24/23 08:45	07/24/23 12:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/24/23 08:45	07/24/23 12:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*66*	*S1-*	*70 - 130*	*07/24/23 08:45*	*07/24/23 12:31*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*07/24/23 08:45*	*07/24/23 12:31*	*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			07/24/23 16:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			07/24/23 16:38	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	<50.5	U	50.5		mg/Kg		07/24/23 08:30	07/24/23 12:39	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		07/24/23 08:30	07/24/23 12:39	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		07/24/23 08:30	07/24/23 12:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*07/24/23 08:30*	*07/24/23 12:39*	*1*
o-Terphenyl	*88*		*70 - 130*	*07/24/23 08:30*	*07/24/23 12:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**27.8**		4.99		mg/Kg			07/22/23 00:45	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Lear State #2G (04.17.23)

Job ID: 880-31073-1
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)										
880-31073-1	S-3 (5.5')	66 S1-	92										
890-4967-A-2-C MS	Matrix Spike	114	101										
890-4967-A-2-D MSD	Matrix Spike Duplicate	121	105										
LCS 880-58297/1-A	Lab Control Sample	124	96										
LCSD 880-58297/2-A	Lab Control Sample Dup	112	102										
MB 880-58297/5-A	Method Blank	95	91										

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-31073-1	S-3 (5.5')	106	88										
890-4921-A-1-H MS	Matrix Spike	13 S1-	10 S1-										
890-4921-A-1-I MSD	Matrix Spike Duplicate	13 S1-	10 S1-										
LCS 880-57822/2-A	Lab Control Sample	96	87										
LCSD 880-57822/3-A	Lab Control Sample Dup	94	84										
MB 880-57822/1-A	Method Blank	134 S1+	123										

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2G (04.17.23)

Job ID: 880-31073-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-58297/5-A
Matrix: Solid
Analysis Batch: 58303

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 58297

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/24/23 08:45	07/24/23 11:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/24/23 08:45	07/24/23 11:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/24/23 08:45	07/24/23 11:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/24/23 08:45	07/24/23 11:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/24/23 08:45	07/24/23 11:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/24/23 08:45	07/24/23 11:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*07/24/23 08:45*	*07/24/23 11:48*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*07/24/23 08:45*	*07/24/23 11:48*	*1*

Lab Sample ID: LCS 880-58297/1-A
Matrix: Solid
Analysis Batch: 58303

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 58297

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09399		mg/Kg		94	70 - 130
Toluene	0.100	0.1113		mg/Kg		111	70 - 130
Ethylbenzene	0.100	0.1098		mg/Kg		110	70 - 130
m-Xylene & p-Xylene	0.200	0.2206		mg/Kg		110	70 - 130
o-Xylene	0.100	0.1096		mg/Kg		110	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-58297/2-A
Matrix: Solid
Analysis Batch: 58303

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 58297

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1046		mg/Kg		105	70 - 130	11	35
Toluene	0.100	0.1124		mg/Kg		112	70 - 130	1	35
Ethylbenzene	0.100	0.1042		mg/Kg		104	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2026		mg/Kg		101	70 - 130	8	35
o-Xylene	0.100	0.1009		mg/Kg		101	70 - 130	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 890-4967-A-2-C MS
Matrix: Solid
Analysis Batch: 58303

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 58297

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.0994	0.08614		mg/Kg		86	70 - 130
Toluene	0.00482		0.0994	0.09343		mg/Kg		89	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2G (04.17.23)

Job ID: 880-31073-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 890-4967-A-2-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 58303 — **Prep Batch: 58297**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U	0.0994	0.08596		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.199	0.1626		mg/Kg		80	70 - 130
o-Xylene	<0.00202	U	0.0994	0.08309		mg/Kg		83	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 890-4967-A-2-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 58303 — **Prep Batch: 58297**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0998	0.1023		mg/Kg		102	70 - 130	17	35
Toluene	0.00482		0.0998	0.1096		mg/Kg		105	70 - 130	16	35
Ethylbenzene	<0.00202	U	0.0998	0.1026		mg/Kg		102	70 - 130	18	35
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1979		mg/Kg		97	70 - 130	20	35
o-Xylene	<0.00202	U	0.0998	0.09806		mg/Kg		97	70 - 130	17	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

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

Lab Sample ID: MB 880-57822/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 58306 — **Prep Batch: 57822**

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		07/17/23 10:30	07/24/23 08:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/17/23 10:30	07/24/23 08:51	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/17/23 10:30	07/24/23 08:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*134*	*S1+*	*70 - 130*	*07/17/23 10:30*	*07/24/23 08:51*	*1*
o-Terphenyl	*123*		*70 - 130*	*07/17/23 10:30*	*07/24/23 08:51*	*1*

Lab Sample ID: LCS 880-57822/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 58306 — **Prep Batch: 57822**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	935.9		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	1000	888.1		mg/Kg		89	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2G (04.17.23)

Job ID: 880-31073-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-57822/2-A
Matrix: Solid
Analysis Batch: 58306

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 57822

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	87		70 - 130

Lab Sample ID: LCSD 880-57822/3-A
Matrix: Solid
Analysis Batch: 58306

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 57822

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	924.4		mg/Kg		92	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	881.3		mg/Kg		88	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	84		70 - 130

Lab Sample ID: 890-4921-A-1-H MS
Matrix: Solid
Analysis Batch: 58306

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 57822

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	990	1075		mg/Kg		109	70 - 130
Diesel Range Organics (Over C10-C28)	<50.2	U	990	999.7		mg/Kg		99	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	13	S1-	70 - 130
o-Terphenyl	10	S1-	70 - 130

Lab Sample ID: 890-4921-A-1-I MSD
Matrix: Solid
Analysis Batch: 58306

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 57822

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	<50.2	U	990	1080		mg/Kg		109	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.2	U	990	1028		mg/Kg		102	70 - 130	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	13	S1-	70 - 130
o-Terphenyl	10	S1-	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Lear State #2G (04.17.23)

Job ID: 880-31073-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-58246/1-A
Matrix: Solid
Analysis Batch: 58256

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			07/21/23 22:27	1

Lab Sample ID: LCS 880-58246/2-A
Matrix: Solid
Analysis Batch: 58256

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	237.4		mg/Kg		95	90 - 110		

Lab Sample ID: LCSD 880-58246/3-A
Matrix: Solid
Analysis Batch: 58256

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	230.4		mg/Kg		92	90 - 110	3	20

Lab Sample ID: 880-31067-A-41-B MS
Matrix: Solid
Analysis Batch: 58256

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	41600		12600	53310		mg/Kg		93	90 - 110		

Lab Sample ID: 880-31067-A-41-C MSD
Matrix: Solid
Analysis Batch: 58256

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	41600		12600	53300		mg/Kg		93	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Lear State #2G (04.17.23)

Job ID: 880-31073-1
SDG: Lea County, New Mexico

GC VOA

Prep Batch: 58297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31073-1	S-3 (5.5')	Total/NA	Solid	5035	
MB 880-58297/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-58297/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-58297/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4967-A-2-C MS	Matrix Spike	Total/NA	Solid	5035	
890-4967-A-2-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 58303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31073-1	S-3 (5.5')	Total/NA	Solid	8021B	58297
MB 880-58297/5-A	Method Blank	Total/NA	Solid	8021B	58297
LCS 880-58297/1-A	Lab Control Sample	Total/NA	Solid	8021B	58297
LCSD 880-58297/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	58297
890-4967-A-2-C MS	Matrix Spike	Total/NA	Solid	8021B	58297
890-4967-A-2-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	58297

Analysis Batch: 58401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31073-1	S-3 (5.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 57822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31073-1	S-3 (5.5')	Total/NA	Solid	8015NM Prep	
MB 880-57822/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-57822/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-57822/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4921-A-1-H MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4921-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 58306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31073-1	S-3 (5.5')	Total/NA	Solid	8015B NM	57822
MB 880-57822/1-A	Method Blank	Total/NA	Solid	8015B NM	57822
LCS 880-57822/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	57822
LCSD 880-57822/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	57822
890-4921-A-1-H MS	Matrix Spike	Total/NA	Solid	8015B NM	57822
890-4921-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	57822

Analysis Batch: 58398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31073-1	S-3 (5.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 58246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31073-1	S-3 (5.5')	Soluble	Solid	DI Leach	
MB 880-58246/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-58246/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-58246/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Lear State #2G (04.17.23)

Job ID: 880-31073-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 58246 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31067-A-41-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-31067-A-41-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 58256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31073-1	S-3 (5.5')	Soluble	Solid	300.0	58246
MB 880-58246/1-A	Method Blank	Soluble	Solid	300.0	58246
LCS 880-58246/2-A	Lab Control Sample	Soluble	Solid	300.0	58246
LCSD 880-58246/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	58246
880-31067-A-41-B MS	Matrix Spike	Soluble	Solid	300.0	58246
880-31067-A-41-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	58246

Lab Chronicle

Client: Carmona Resources
Project/Site: Lear State #2G (04.17.23)

Job ID: 880-31073-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (5.5')

Date Collected: 07/20/23 00:00
Date Received: 07/21/23 15:08

Lab Sample ID: 880-31073-1

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	58297	07/24/23 08:45	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	58303	07/24/23 12:31	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58401	07/24/23 16:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			58398	07/24/23 16:38	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	57822	07/24/23 08:30	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58306	07/24/23 12:39	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	58246	07/21/23 17:00	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	58256	07/22/23 00:45	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
Job ID: 880-31073-1
Project/Site: Lear State #2G (04.17.23)
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	T104704400-23-26	06-30-24

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: Lear State #2G (04.17.23)

Job ID: 880-31073-1
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: Lear State #2G (04.17.23)

Job ID: 880-31073-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-31073-1	S-3 (5.5')	Solid	07/20/23 00:00	07/21/23 15:08

Work Order No: 31073

Project Manager	Conner Moehring	Bill to (if different)	Carmona Resources
Company Name	Carmona Resources	Company Name	
Address	310 W Wall St Ste 500	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone	432-813-6823	Email	mcarmona@carmonaresources.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	Lear State #2H (04 17 23)	Turn Around	
Project Number	2022	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date	24 Hrs
Sampler's Name	FV		
PO #:			

SAMPLE RECEIPT				
Temp Blank	Yes (No)	Wet Ice	(Yes) No	
Received Intact:	(Yes) No	Thermometer ID	IR2	
Cooler Custody Seals.	Yes No (N/A)	Correction Factor	-.30	
Sample Custody Seals	Yes No (N/A)	Temperature Reading	4.6	
Total Containers		Corrected Temperature.	4.3	

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 Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
S-3 (5 5')	7/20/2023		X		G	1		X	X	X	

880-31073 Chain of Custody

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by (Signature)	Date/Time
	7-21-23 1508		

7/24/2023

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-31073-1
SDG Number: Lea County, New Mexico

Login Number: 31073
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

Soil Map—Lea County, New Mexico

Map Scale: 1:949 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 10 20 40 60

Feet
0 45 90 180 270

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

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 7, 2020—May 12, 2020

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.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
KD	Kermit-Palomas fine sands, 0 to 12 percent slopes	1.2	52.1%
KM	Kermit soils and Dune land, 0 to 12 percent slopes	1.1	47.9%
Totals for Area of Interest		**2.3**	**100.0%**

Lea County, New Mexico

KD—Kermit-Palomas fine sands, 0 to 12 percent slopes

Map Unit Setting

National map unit symbol: dmpv
Elevation: 3,000 to 4,400 feet
Mean annual precipitation: 10 to 12 inches
Mean annual air temperature: 60 to 62 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Not prime farmland

Map Unit Composition

Kermit and similar soils: 70 percent
Palomas and similar soils: 20 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kermit

Setting

Landform: Dunes
Landform position (two-dimensional): Shoulder, backslope, footslope
Landform position (three-dimensional): Side slope
Down-slope shape: Concave, linear, convex
Across-slope shape: Convex
Parent material: Calcareous sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 8 inches: fine sand
C - 8 to 60 inches: fine sand

Properties and qualities

Slope: 3 to 12 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Very high (20.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: A
Ecological site: R070BD005NM - Deep Sand
Hydric soil rating: No

Description of Palomas

Setting

Landform: Dunes
Landform position (two-dimensional): Shoulder, backslope, footslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, linear, concave
Across-slope shape: Convex
Parent material: Alluvium derived from sandstone

Typical profile

A - 0 to 16 inches: fine sand
Bt - 16 to 60 inches: sandy clay loam
Bk - 60 to 66 inches: sandy loam

Properties and qualities

Slope: 0 to 5 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 50 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Moderate (about 7.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Pyote

Percent of map unit: 4 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Maljamar

Percent of map unit: 4 percent

Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Palomas

Percent of map unit: 1 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Dune land

Percent of map unit: 1 percent
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

KM—Kermit soils and Dune land, 0 to 12 percent slopes

Map Unit Setting

National map unit symbol: dmpx
Elevation: 3,000 to 4,400 feet
Mean annual precipitation: 10 to 15 inches
Mean annual air temperature: 60 to 62 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Not prime farmland

Map Unit Composition

Kermit and similar soils: 46 percent
Dune land: 44 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kermit

Setting

Landform: Dunes
Landform position (two-dimensional): Shoulder, backslope, footslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, linear, concave
Across-slope shape: Convex
Parent material: Calcareous sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 8 inches: fine sand
C - 8 to 60 inches: fine sand

Properties and qualities

Slope: 5 to 12 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Very high (20.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 3 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: R070BC022NM - Sandhills
Hydric soil rating: No

Description of Dune Land

Setting

Landform: Dunes
Landform position (two-dimensional): Shoulder, backslope, footslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, linear, concave
Across-slope shape: Convex
Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 6 inches: fine sand
C - 6 to 60 inches: fine sand

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8
Hydrologic Soil Group: A
Hydric soil rating: No

Minor Components

Palomas

Percent of map unit: 3 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Pyote

Percent of map unit: 3 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Wink

Percent of map unit: 2 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Maljamar

Percent of map unit: 2 percent
Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 19, Sep 8, 2022

NMSLO Seed Mix — Shallow (SH)

SHALLOW (SH) SITES SEED MIXTURE:

COMMON NAME	VARIETY	APPLICATION RATE (PLS/Acre)	DRILL BOX
Grasses:			
Sideoats grama	Vaughn, El Reno	4.0	F
Blue grama	Lovington, Hachita	3.0	D
Little bluestem	Pastura, Cimmaron	1.5	F
Green sprangletop	VNS, Southern	1.0	D
Plains bristlegrass	VNS, Southern	1.0	D
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	**13.0**	

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.

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 259309

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 259309
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	12/28/2023