CARMONA RESOURCES

SITE INFORMATION

Closure Report
State 16 Battery
Incident ID: NAPP2325835983
Lea County, New Mexico
Unit J Sec 16 T18S R33E
32.745700°, -103.666327°

Produced Water Release
Point of Release: Equipment Failure
Release Date: 09/11/23
Volume Released: 127 Barrels of Produced Water
Volume Recovered: 1 Barrel of Produced Water

CARMONA RESOURCES

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

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

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

CARMONA RESOURCES

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

CARMONA RESOURCES

January 4, 2024

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

Re: Closure Report
State 16 Battery
EOG Resources Inc.
Incident #: nAPP2325835983
Site Location: Unit J Sec 16 T18S R33E
(Lat 32.745700°, Long - 103.666327°)
Lea County, New Mexico

To whom it may concern:

On behalf of EOG Resources Inc. (EOG), Carmona Resources, LLC has prepared this letter to document the State 16 Battery site activities. The site is located at 32.745700°, - 103.666327° within Unit J Sec 16 T18S R33E, 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 September 11, 2023, and was caused by the threads on the transfer pump being washed out. It released approximately one-hundred twenty-seven (127) barrels of produced water, and one (1) barrel of produced water was recovered. The impacted area occurred on the pad and in the pasture, as shown in Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The nearest identified well is located approximately 1.14 miles north of the site in S09, T18S, R33E, and was drilled in 1975. The well's depth has been updated to 70 feet below the ground surface (ft bgs). A copy of the associated Point of Diversion Summary report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 100 mg/kg (GRO + DRO + MRO).
- Chloride: 600 mg/kg.

4.0 Site Assessment Activities

On October 16, 2023, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of five (5) sample points (S-1 through S-5) and eight (8) horizontal samples (H-1 through H-8) were advanced to depths ranging from the surface to 4' bgs inside and surrounding the release

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

area to evaluate the vertical and horizontal extent. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. The sample locations are shown in Figure 3.

Vertical Delineation

Vertical delineation was not achieved due to a dense geological formation at 4.0' bgs. Except for the areas of S-1 and S-3. Refer to Table 1.

Horizontal Delineation

The areas of H-2, H-3, H-6, and H-7 displayed elevated TPH concentrations ranging from 225 mg/kg to 1,630 mg/kg. All other horizontals were under regulatory limits for benzene, total BTEX, TPH, and chloride concentrations. Refer to Table 1.

Trenching Activities

On November 10, 2023, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of three (3) trench points (T-1 through T-3) and four (4) horizontal samples (H-2 through H-3 and H-6 through H-7) were recollected and were advanced to depths ranging from surface to 5' bgs inside and surrounding the release areas to evaluate the vertical and horizontal extent. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. Refer to Table 1.

Vertical Delineation

Vertical delineation was achieved for all trench locations. Refer to Table 1.

Horizontal Delineation

All areas were below the regulatory limits for benzene, total BTEX, TPH, and chloride concentrations. Refer to Table 1.

5.0 Remediation Activities

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via email on December 4, 2023, per Subsection D of 19.15.29.12 NMAC. For Notification of Sampling see Appendix C. A total of eight (8) confirmation floor samples (CS-1 through CS-8) and nineteen (19) sidewall samples (SW-1 through SW-19) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

The area of CS-8 displayed elevated TPH concentrations at the proposed 5.0' depth and was excavated an extra .75' with samples recollected to ensure the removal of all contamination. The areas of SW-17, SW-18, and SW-19 also displayed elevated concentrations of TPH. These sidewalls were extended, and samples were recollected to ensure the removal of all contamination. 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 340 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Conclusions

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

Sincerely,

Carmona Resources, LLC

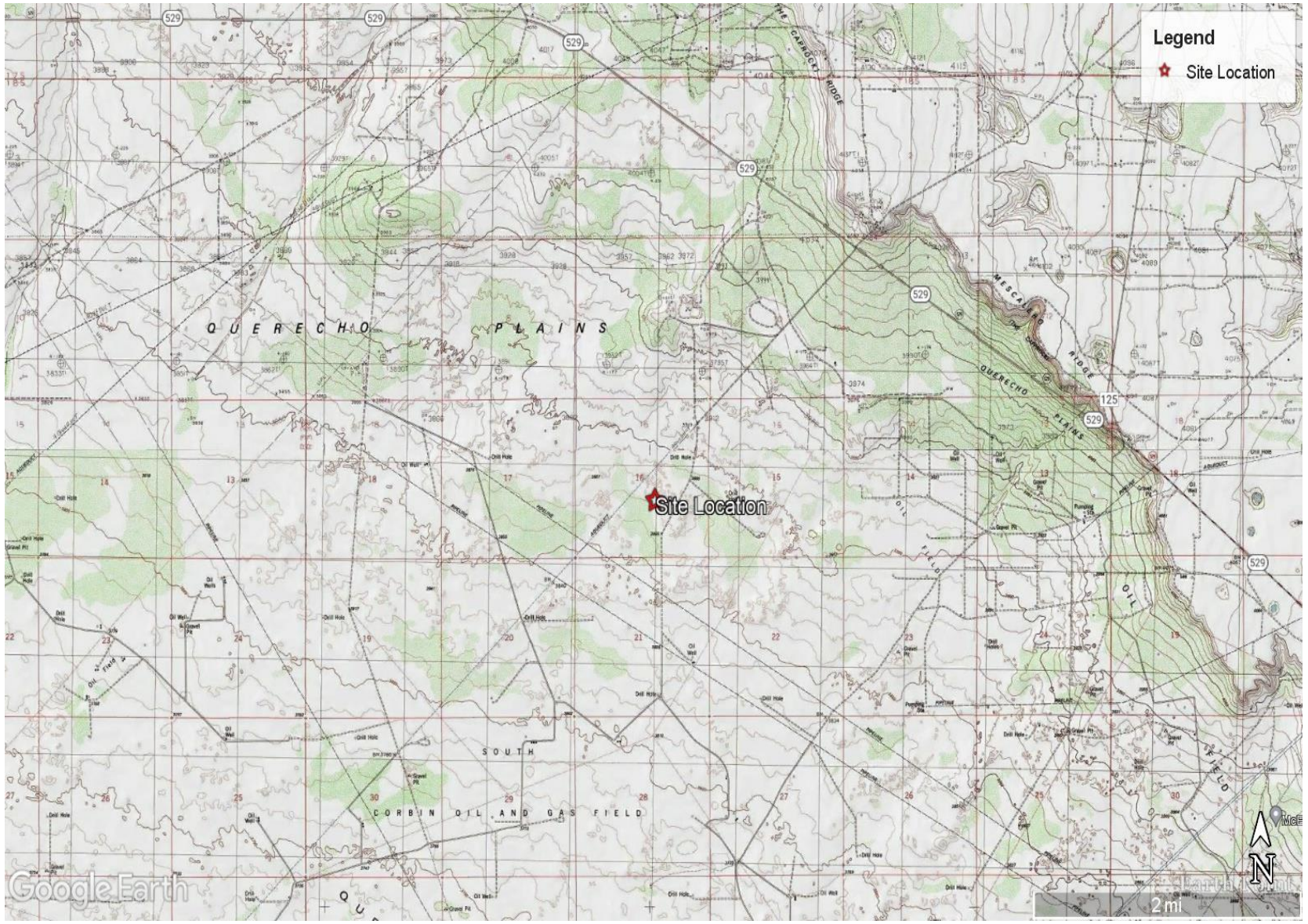
Mike Carmona
Environmental Manager

Conner Moehring
Sr. Project Manager

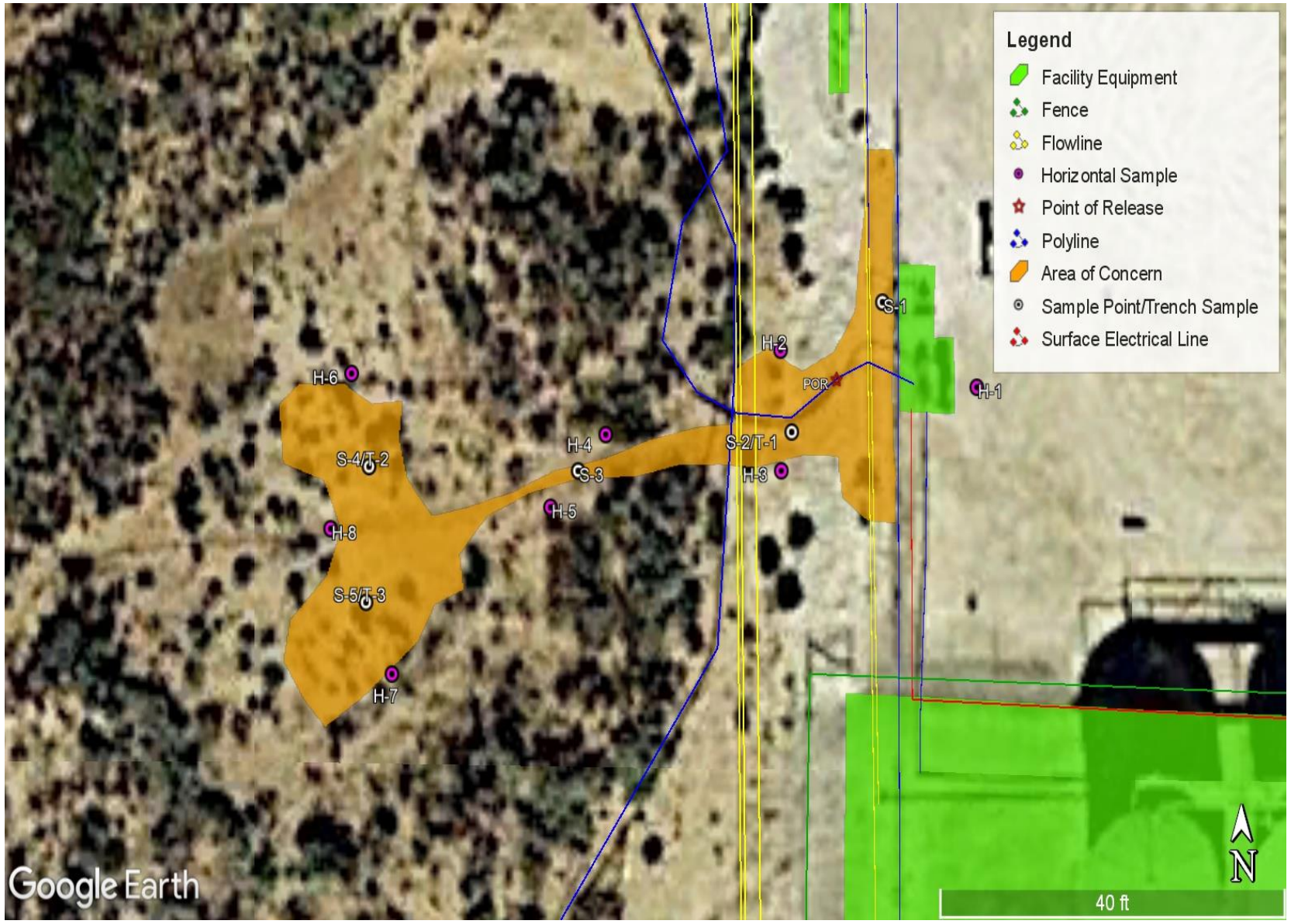
FIGURES

CARMONA RESOURCES

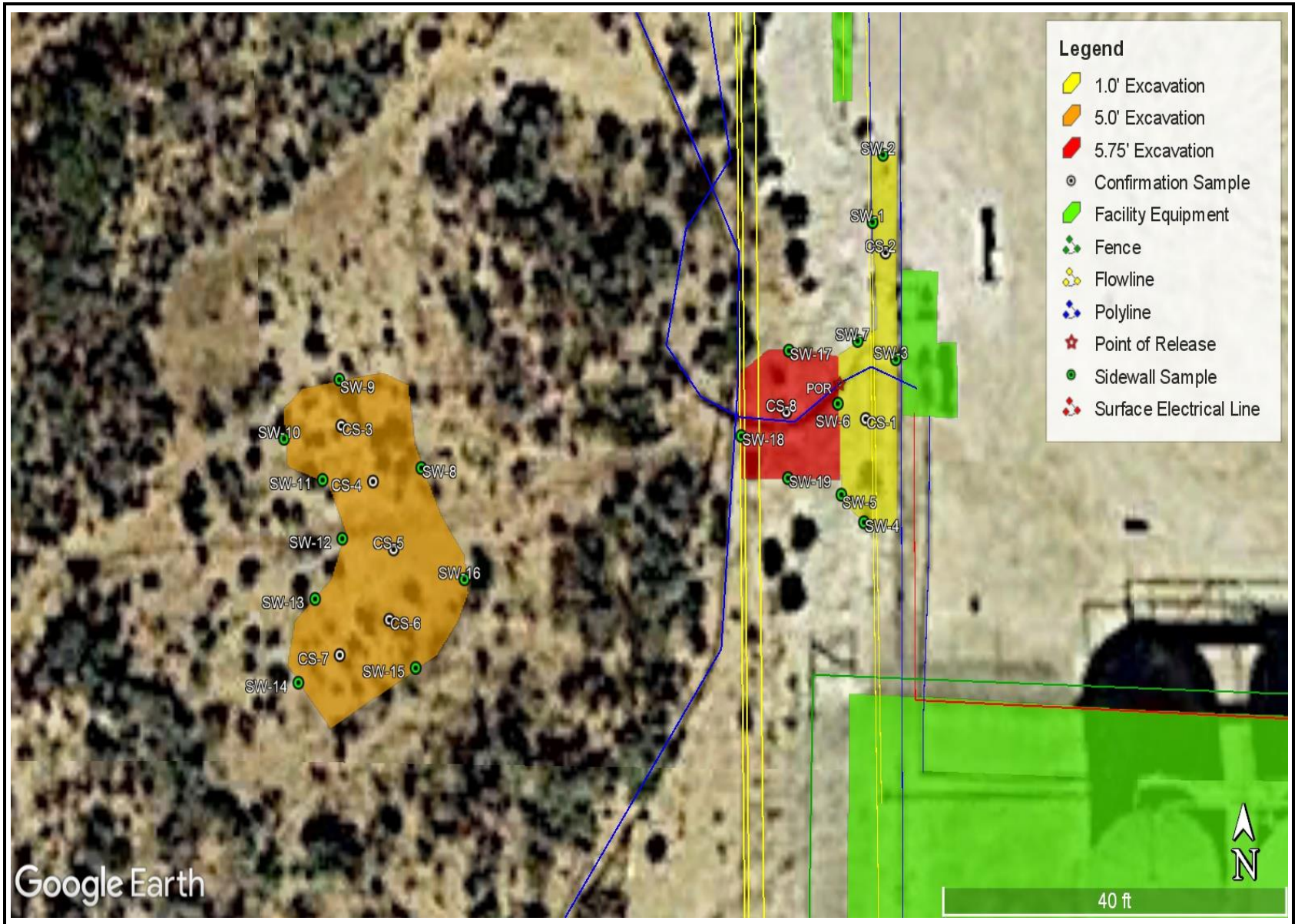
OVERVIEW MAP EOG RESOURCES STATE 16 BATTERY LEA COUNTY, NEW MEXICO 32.745700°, -103.666327°	CARMONA RESOURCES	FIGURE 1



TOPOGRAPHIC MAP EOG RESOURCES STATE 16 BATTERY LEA COUNTY, NEW MEXICO 32.745700°, -103.666327°	CARMONA RESOURCES	FIGURE 2



SAMPLE LOCATION MAP EOG RESOURCES STATE 16 BATTERY LEA COUNTY, NEW MEXICO 32.745700°, -103.666327°	CARMONA RESOURCES	FIGURE 3



EXCAVATION DEPTH MAP EOG RESOURCES STATE 16 BATTERY LEA COUNTY, NEW MEXICO 32.745700°, -103.666327°°	CARMONA RESOURCES	FIGURE 4

APPENDIX A

CARMONA RESOURCES

Table 1
EOG Resources
State 16 Battery
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	10/16/2023	0-0.5	<49.9	**899**	<49.9	**899**	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**6,400**
	"	1.0	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	59.9
S-2	10/16/2023	0-0.5	<253	**2,500**	<253	**2,500**	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	148
	"	1.0	<49.9	**1,000**	<49.9	**1,000**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	277
	"	2.0	<249	**3,310**	<249	**3,310**	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	115
	"	3.0	<50.3	**1,350**	<50.3	**1,350**	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	140
	"	4.0	<50.1	**1,760**	<50.1	**1,760**	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	173
T-1	11/10/2023	0-1	<49.9	**2,070**	268	**2,340**	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	153
	"	1.5	<49.6	**1,270**	187	**1,460**	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	43.8
	"	2.0	<50.3	**997**	135	**1,130**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	52.2
	"	3.0	<50.5	**1,080**	143	**1,220**	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	72.3
	"	4.0	<49.7	**1,480**	180	**1,660**	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	77.5
	"	5.0	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5.62
S-3	10/16/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	83.0
	"	1.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	92.3
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	73.7
	"	3.0	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	88.6
	"	4.0	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	104
S-4	10/16/2023	0-0.5	<50.3	**503**	<50.3	**503**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	256
	"	1.0	<50.4	**677**	<50.4	**677**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**1,510**
	"	2.0	<50.0	**484**	<50.0	**484**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**4,020**
	"	3.0	<249	**5,860**	<249	**5,860**	<0.00200	<0.00200	0.00734	0.0340	0.0414	**3,370**
	"	4.0	<49.6	**919**	<49.6	**919**	<0.00202	<0.00202	<0.00202	0.00479	0.00479	**1,350**
T-2	11/10/2023	0-1	<49.9	**271**	<49.9	**271**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**1,440**
	"	1.5	<50.0	**814**	**115**	**929**	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	127
	"	2.0	<50.2	**958**	**146**	**1,100**	<0.0402	<0.0402	<0.0402	<0.0803	<0.0803	195
	"	3.0	**887**	**16,100**	**1,230**	**18,200**	<0.0996	<0.0996	1.58	3.82	5.40	**865**
	"	4.0	<50.5	**1,000**	93.3	**1,090**	<0.0398	0.0434	<0.0398	<0.0795	<0.0795	**732**
	"	5.0	<50.2	52.2	<50.2	52.2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	14.0
Regulatory Criteria [A]						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH- Total Petroleum Hydrocarbons
ft-feet
(S) Sample Point
(T) Trench Sample
Removed

Table 1
EOG Resources
State 16 Battery
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	10/16/2023	0-0.5	<50.2	**1,230**	<50.2	**1,230**	<0.00199	<0.00199	0.00214	0.0116	0.0137	**2,900**
	"	1.0	<50.4	**249**	<50.4	**249**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**1,290**
	"	2.0	<504	**9,250**	<504	**9,250**	<0.00200	<0.00200	0.00396	0.0234	0.0273	**2,970**
	"	3.0	<50.0	**5,170**	<50.0	**5,170**	<0.00199	<0.00199	<0.00199	0.00451	0.00451	**1,060**
	"	4.0	<50.3	**3,000**	<50.3	**3,000**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**808**
T-3	11/10/2023	0-1	<50.2	**101**	<50.2	**101**	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**1,580**
	"	1.5	<50.4	**188**	<50.4	**188**	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	58.3
	"	2.0	**262**	**6,500**	**492**	**7,250**	<0.00199	<0.00199	0.0441	0.0922	0.136	450
	"	3.0	<49.6	**466**	<49.6	**466**	<0.0990	<0.0990	0.124	0.269	0.393	245
	"	4.0	**238**	**3,080**	<50.5	**3,320**	<0.0994	<0.0994	1.43	2.30	3.73	**726**
	"	5.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	0.0404	0.0404	5.84
Regulatory Criteria [A]						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH- Total Petroleum Hydrocarbons
ft-feet
(S) Sample Point
(T) Trench Sample
Removed

Table 1
EOG Resources
State 16 Battery
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	10/16/2023	0-0.5	<49.5	55.1	<49.5	55.1	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	441
H-2	10/16/2023	0-0.5	<49.6	**369**	55.9	**425**	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	50.8
	11/10/2023	0-0.5	<49.6	54.7	<49.6	54.7	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	5.74
H-3	10/16/2023	0-0.5	<49.9	**1,450**	**176**	**1,630**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	62.2
	11/10/2023	0-0.5	<50.5	58.7	<50.5	58.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6.69
H-4	10/16/2023	0-0.5	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	31.8
H-5	10/16/2023	0-0.5	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	28.1
H-6	10/16/2023	0-0.5	<50.2	**301**	59.2	**360**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	23.5
	11/10/2023	0-0.5	<49.7	53.2	<49.7	53.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	7.56
H-7	10/16/2023	0-0.5	<50.5	**225**	<50.5	**225**	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	53.3
	11/10/2023	0-0.5	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<5.01
H-8	10/16/2023	0-0.5	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	50.5
Regulatory Criteria [A]						**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**

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

Table 2
EOG Resources
State 16 Battery
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	12/6/2023	1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-2	12/6/2023	1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-3	12/6/2023	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-4	12/6/2023	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-5	12/6/2023	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-6	12/6/2023	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-7	12/6/2023	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-8	12/6/2023	5.0'	<10.0	**391**	**364**	**755**	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	12/13/2023	5.5'	<10.0	**166**	**174**	**340**	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	12/14/2023	5.75'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-1	12/6/2023	1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-2	12/6/2023	1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-3	12/6/2023	1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-4	12/6/2023	1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-5	12/6/2023	1.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-6	12/6/2023	4.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
Regulatory Criteria [A]						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

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

Table 2
EOG Resources
State 16 Battery
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-7	12/6/2023	4.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-8	12/6/2023	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-9	12/6/2023	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-10	12/6/2023	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-11	12/6/2023	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-12	12/6/2023	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-13	12/6/2023	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-14	12/6/2023	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-15	12/6/2023	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-16	12/6/2023	5.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-17	12/6/2023	5.0'	<10.0	**239**	**245**	**484**	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
	12/13/2023	5.5'	<10.0	**149**	**174**	**323**	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	12/14/2023	5.75'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-18	12/6/2023	5.0'	<10.0	**135**	**162**	**297**	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	12/13/2023	5.5'	<10.0	**155**	**185**	**340**	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	12/14/2023	5.75'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-19	12/6/2023	5.0'	<10.0	**128**	**169**	**297**	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	12/13/2023	5.5'	<10.0	**152**	**184**	**336**	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	12/14/2023	5.75'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Regulatory Criteria [A]						**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**

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

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

EOG Resources

Photograph No. 1

Facility: State 16 Battery

County: Lea County, New Mexico

Description:
View Southwest, area of CS-1 and CS-2.

Photograph No. 2

Facility: State 16 Battery

County: Lea County, New Mexico

Description:
View South, area of CS-3 through CS-7.

Photograph No. 3

Facility: State 16 Battery

County: Lea County, New Mexico

Description:
View South, area of CS-8.

PHOTOGRAPHIC LOG

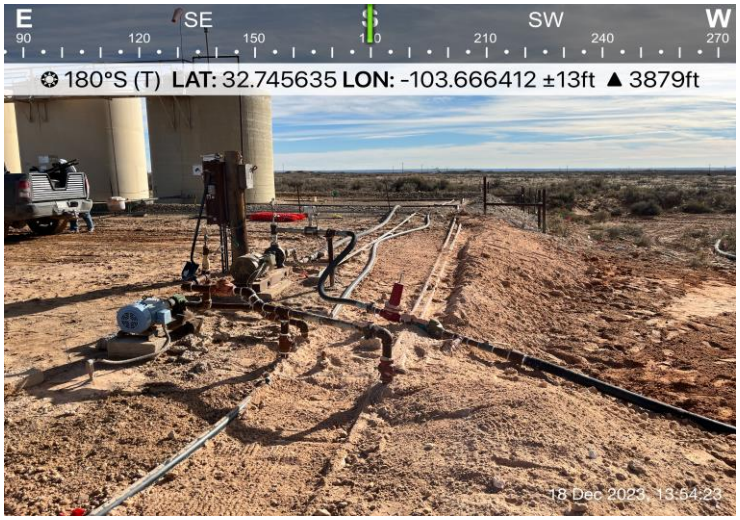
EOG Resources

Photograph No. 4

Facility: State 16 Battery

County: Lea County, New Mexico

Description:
View South, backfilled area of CS-1 and CS-2.



Photograph No. 5

Facility: State 16 Battery

County: Lea County, New Mexico

Description:
View West, backfilled area of CS-3 through CS-7.

Photograph No. 6

Facility: State 16 Battery

County: Lea County, New Mexico

Description:
View North, backfilled area of CS-8

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	nAPP2325835983
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Resources	OGRID 7377
Contact Name Todd Wells	Contact Telephone (432) 686-3613
Contact email Todd_Wells@eogresources.com	Incident # *(assigned by OCD)* nAPP2325835983
Contact mailing address 5509 Champions Drive Midland, TX 79706	

Location of Release Source

Latitude 32.745700° Longitude -103.666327°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name State 16 Battery	Site Type Tank Battery
Date Release Discovered 9/11/23	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
J	16	18S	33E	Lea

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (*Name:* Jim-Ross Caviness)

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) 127	Volume Recovered (bbls) 1
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: The threads on the transfer pump washed out causing the release of 127 bbls of produced water on the pad and into the pasture with 1 bbl recovered.

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? More than 25 bbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Email notification to the OCD Enviro Inbox on 9/11/23.	

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: Todd Wells Title: Environmental Specialist

Signature: Todd Wells Date: 9/15/23

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

OCD Only

Received by: Scott Rodgers Date: 09/18/2023

District I
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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: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 266330
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141	9/18/2023

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.

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: Todd Wells Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: Todd Wells Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

District I
1625 N. French Dr., Hobbs, NM 88240
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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

QUESTIONS

Action 331815

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 331815
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2325835983**
Incident Name	**NAPP2325835983 STATE 16 BATTERY @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**STATE 16 BATTERY**
Date Release Discovered	**09/11/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	4,800
What is the estimated number of samples that will be gathered	27
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/06/2023
Time sampling will commence	09:00 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Mike Carmona (432) 813-1992
Please provide any information necessary for navigation to sampling site	From the intersection of Hwy 529 and the lease road at GPS 32.768306°, -103.641002°, drive southwest on the lease road 2.2 miles, turn right on the lease road and drive 0.1 mile to the location. Conner Moehring with Carmona Resources made the email notification for the sampling event to the OCD.Enviro inbox on 12/4/2023.

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

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 331815
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
todd wells	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	4/10/2024

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

QUESTIONS

Action 331836

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 331836
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2325835983**
Incident Name	**NAPP2325835983 STATE 16 BATTERY @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**STATE 16 BATTERY**
Date Release Discovered	**09/11/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	600
What is the estimated number of samples that will be gathered	4
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/13/2023
Time sampling will commence	09:00 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Mike Carmona (432) 813-1992
Please provide any information necessary for navigation to sampling site	From the intersection of Hwy 529 and the lease road at GPS 32.768306°, -103.641002°, drive southwest on the lease road 2.2 miles, turn right on the lease road and drive 0.1 mile to the location.

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

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 331836
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
todd wells	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	4/10/2024

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

QUESTIONS

Action 331849

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 331849
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2325835983**
Incident Name	**NAPP2325835983 STATE 16 BATTERY @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Approved**

Location of Release Source	
Site Name	**STATE 16 BATTERY**
Date Release Discovered	**09/11/2023**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	600
What is the estimated number of samples that will be gathered	4
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/14/2023
Time sampling will commence	09:00 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Mike Carmona (432) 813-1992
Please provide any information necessary for navigation to sampling site	From the intersection of Hwy 529 and the lease road at GPS 32.768306°, -103.641002°, drive southwest on the lease road 2.2 miles, turn right on the lease road and drive 0.1 mile to the location.

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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 331849
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
todd wells	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	4/10/2024

APPENDIX D

CARMONA RESOURCES

Nearest Water Well

EOG Resources

Legend

- 0.50 Mile Radius
- 1.14 Miles
- 1.67 Miles
- Groundwater Determination Bore
- NMSEO Water Well
- State 16 Battery

70' - Drilled 1975

60' - GWDB - 08.16.2019

State 16 Battery

N

5000 ft

Low Karst
EOG Resources

Legend
Low
State 16 Battery

State 16 Battery

Google Earth

3000 ft

N

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 00546 POD1	CP	LE	2	2	4	09	18S	33E	625464	3625597*	1825	90	70	20
CP 00072 POD4	CP	LE	1	4	2	10	18S	33E	625948	3626028	2404	70		
CP 00072 POD3	CP	LE	2	4	4	10	18S	33E	627076	3625223*	2555	70		
CP 01417 POD1	CP	LE				11	18S	33E	627036	3625738	2834	120	54	66
L 06131	L	LE	3	1	2	08	18S	33E	623241	3626167*	2856	194	100	94
CP 00701	CP	LE		1	3	11	18S	33E	627373	3625534*	2974	100		
CP 00701 POD2	CP	LE	4	1	3	11	18S	33E	627472	3625433*	3002	100		
CP 00758 POD1	CP	LE			3	04	18S	33E	624345	3626886*	3084	250		
L 04649	L	LE	1	1	3	03	18S	33E	625644	3627213*	3435	100	45	55
C 04548 POD1	CUB	LE	1	2	1	01	26S	32E	628238	3622599	3549		110	
CP 00072 POD1	CP	LE	2	3	4	11	18S	33E	628284	3625242*	3640	85		
L 03454	L	LE		2	2	30	18S	33E	622200	3621422*	3647	100	35	65
CP 00072 POD5	CP	LE	2	1	4	11	18S	33E	628219	3625573	3721	100	64	36
CP 00072 POD2	CP	LE			4	11	18S	33E	628386	3625344	3774	90		
CP 00072 POD6	CP	LE	2	4	4	11	18S	33E	628603	3625179	3915	100	61	39

Average Depth to Water: **67 feet**
Minimum Depth: **35 feet**
Maximum Depth: **110 feet**

Record Count: 15

UTMNAD83 Radius Search (in meters):

Easting (X): 624918 **Northing (Y):** 3623855 **Radius:** 4000

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

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	CP 00546 POD1	2	2	4	09	18S	33E	625464	3625597*

Driller License:	208	**Driller Company:**	VAN NOY, W.L.		
Driller Name:	VAN NOY, W.L.				
Drill Start Date:	06/01/1975	**Drill Finish Date:**	06/03/1975	**Plug Date:**	
Log File Date:	10/02/1978	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	6.63	**Depth Well:**	90 feet	**Depth Water:**	70 feet

Water Bearing Stratifications:	Top	Bottom	Description
	70	85	Other/Unknown

Casing Perforations:	Top	Bottom
	70	85

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

Borehole ID:
Borehole 1 (BH-1)

Soil Drilling Log with Field Testing Results

Project Name : EOG Cholla Fed Com #1
Project No. : 212C-MD-01810
Location : Lea County, New Mexico
Coordinates : 32.744427°, -103.695234°

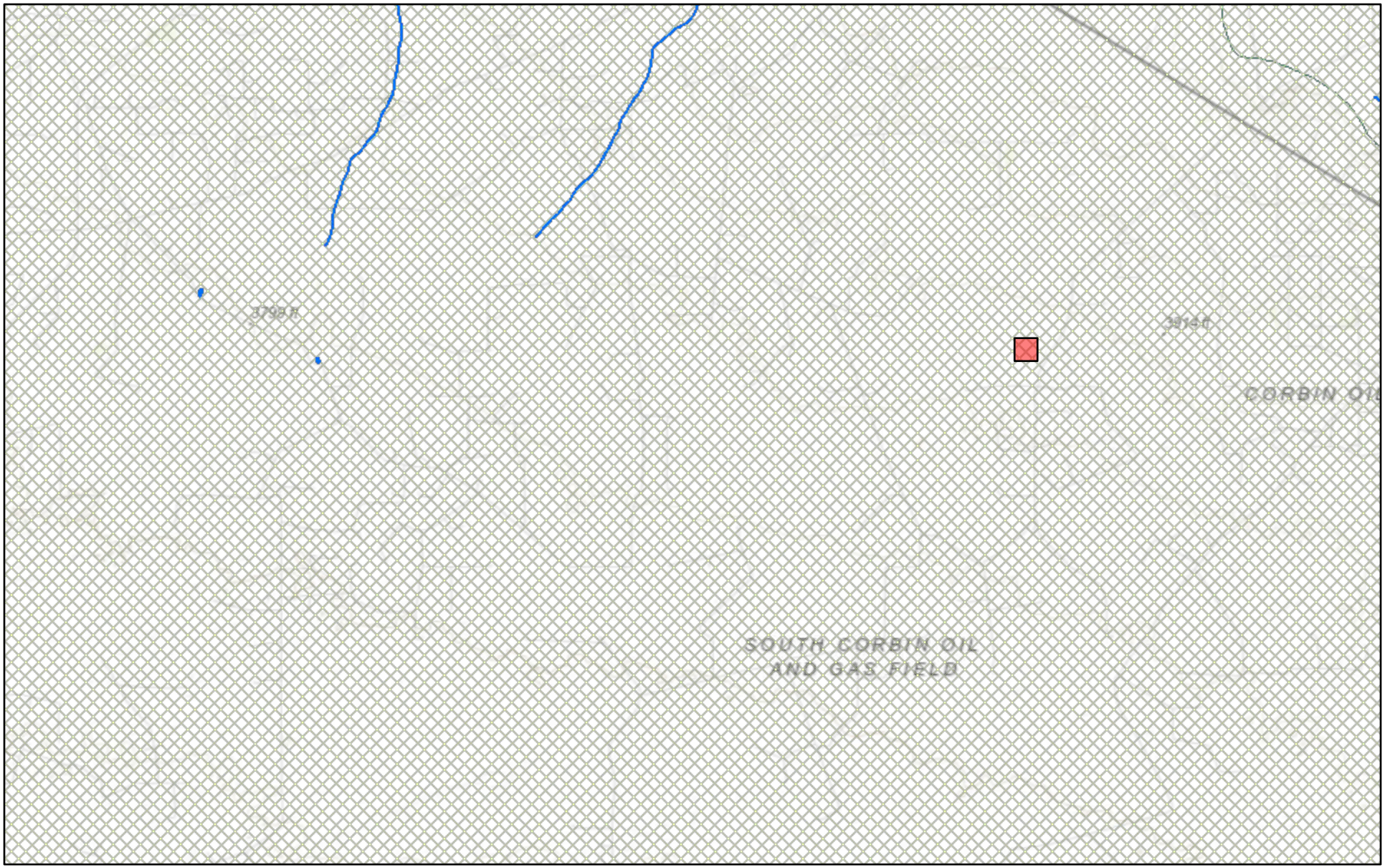
Date : Friday, August 16, 2019
Sampler : Joe Tyler
Driller : Scarborough Drilling
Method : Air Rotary

Depth (ft.)	WL	Soil Description	Discoloration /Staining	Odors /Fumes	OVM Field Test (ppm)	Chloride Field Test (ppm)	Field Titration Test (ppm)
0		Brown silty sand	Stained	Heavy odor	1,615	-	-
			Stained	Heavy odor	4,751	-	-
5		Brown silty sand w/ gravel		Heavy odor	>15,000	-	-
				Heavy odor	1,405	-	-
10		Brown silty sand		Heavy odor	18.2	-	-
15		Brown silty sand w/ light gravel		Heavy odor	160.1	-	-
20				Heavy odor	135.6	131	160
25		Brown sand w/ heavy gravel		Heavy odor	144.1	-	-
30				Heavy odor	209.1	153	200
35				Heavy odor	31.9	-	-
40		Brown silty sand w/ light gravel		Heavy odor	26.4	-	-
45				Low odor	15.5	-	-
50					33.0	-	-
55					71.2	188	200
60		Total Depth = 60 feet			24.6	169	160

Comments:
** H.O. = Heavy Odor*
** H.S. = Heavy Staining*

No Groundwater detected at 60' below surface
** L.O. = Low Odor*
** L.S. = Low Staining*
** O.L. = Over Readable Limit*

New Mexico NFHL Data



September 14, 2023

1:72,224

0 0.5 1 2 mi

0 0.75 1.5 3 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: Conner Moehring
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 10/24/2023 10:48:54 AM

JOB DESCRIPTION

State 16 Battery
SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-34715-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

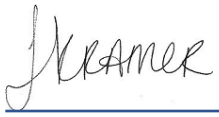
Eurofins Midland

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
10/24/2023 10:48:54 AM

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

Client: Carmona Resources
Project/Site: State 16 Battery

Laboratory Job ID: 880-34715-1
SDG: Lea County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
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, 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, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

Job ID: 880-34715-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-34715-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 10/20/2023 12:41 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 2.6°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-0.5') (880-34715-1), S-1 (1') (880-34715-2), S-2 (0-0.5') (880-34715-3), S-2 (1') (880-34715-4), S-2 (2') (880-34715-5), S-2 (3') (880-34715-6), S-2 (4') (880-34715-7), S-3 (0-0.5') (880-34715-8), S-3 (1') (880-34715-9), S-3 (2') (880-34715-10), S-3 (3') (880-34715-11), S-3 (4') (880-34715-12), S-4 (0-0.5') (880-34715-13), S-4 (1') (880-34715-14), S-4 (2') (880-34715-15), S-4 (3') (880-34715-16), S-4 (4') (880-34715-17), S-5 (0-0.5') (880-34715-18), S-5 (1') (880-34715-19), S-5 (2') (880-34715-20), S-5 (3') (880-34715-21) and S-5 (4') (880-34715-22).

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-65235 and analytical batch 880-65138 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: The surrogate recovery for the blank associated with preparation batch 880-65159 and 880-65235 and analytical batch 880-65138 was outside the upper control 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: The surrogate recovery for the blank associated with preparation batch 880-65263 and analytical batch 880-65282 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-5 (3') (880-34715-21) and S-5 (4') (880-34715-22). 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: (CCV 880-65282/31), (CCV 880-65282/47) and (CCV 880-65282/58). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-1 (1') (880-34715-2), S-3 (3') (880-34715-11), (880-34715-A-2-D MS) and (880-34715-A-2-E MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-65278 and analytical batch 880-65289 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-2 (0-0.5') (880-34715-3), S-3 (1')

Case Narrative

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

Job ID: 880-34715-1 (Continued)

Laboratory: Eurofins Midland (Continued)

(880-34715-9), S-3 (2') (880-34715-10) and S-5 (1') (880-34715-19). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-65289 recovered below the lower control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated samples are impacted: (CCV 880-65289/20) and (CCV 880-65289/47).

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-65278 and analytical batch 880-65289 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

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-65237 and analytical batch 880-65350 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: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-34715-1
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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		10/20/23 14:43	10/20/23 23:32	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		10/20/23 14:43	10/20/23 23:32	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		10/20/23 14:43	10/20/23 23:32	1
m-Xylene & p-Xylene	<0.00401	U F1	0.00401		mg/Kg		10/20/23 14:43	10/20/23 23:32	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		10/20/23 14:43	10/20/23 23:32	1
Xylenes, Total	<0.00401	U F1	0.00401		mg/Kg		10/20/23 14:43	10/20/23 23:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*10/20/23 14:43*	*10/20/23 23:32*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*10/20/23 14:43*	*10/20/23 23:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/20/23 23:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**899**		49.9		mg/Kg			10/23/23 00:26	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		10/21/23 16:19	10/23/23 00:26	1
Diesel Range Organics (Over C10-C28)	**899**		49.9		mg/Kg		10/21/23 16:19	10/23/23 00:26	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/21/23 16:19	10/23/23 00:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*10/21/23 16:19*	*10/23/23 00:26*	*1*
o-Terphenyl	*86*		*70 - 130*	*10/21/23 16:19*	*10/23/23 00:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6400**		50.1		mg/Kg			10/23/23 10:21	10

Client Sample ID: S-1 (1')

Lab Sample ID: 880-34715-2
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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		10/20/23 14:43	10/20/23 23:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:43	10/20/23 23:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:43	10/20/23 23:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/20/23 14:43	10/20/23 23:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:43	10/20/23 23:53	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/20/23 14:43	10/20/23 23:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*10/20/23 14:43*	*10/20/23 23:53*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*10/20/23 14:43*	*10/20/23 23:53*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (1')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34715-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/20/23 23:53	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			10/22/23 21:33	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 F1	50.5		mg/Kg		10/21/23 16:19	10/22/23 21:33	1
Diesel Range Organics (Over C10-C28)	<50.5	U F1	50.5		mg/Kg		10/21/23 16:19	10/22/23 21:33	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		10/21/23 16:19	10/22/23 21:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*61*	*S1-*	*70 - 130*	*10/21/23 16:19*	*10/22/23 21:33*	*1*
o-Terphenyl	*68*	*S1-*	*70 - 130*	*10/21/23 16:19*	*10/22/23 21:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**59.9**		5.04		mg/Kg			10/23/23 10:28	1

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

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34715-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/20/23 14:43	10/21/23 00:13	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/20/23 14:43	10/21/23 00:13	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/20/23 14:43	10/21/23 00:13	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/20/23 14:43	10/21/23 00:13	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/20/23 14:43	10/21/23 00:13	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/20/23 14:43	10/21/23 00:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*10/20/23 14:43*	*10/21/23 00:13*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*10/20/23 14:43*	*10/21/23 00:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/21/23 00:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**2500**		253		mg/Kg			10/23/23 04:17	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	<253	U	253		mg/Kg		10/21/23 16:19	10/23/23 04:17	5
Diesel Range Organics (Over C10-C28)	**2500**		253		mg/Kg		10/21/23 16:19	10/23/23 04:17	5

Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-34715-3
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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)	<253	U	253		mg/Kg		10/21/23 16:19	10/23/23 04:17	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*68*	*S1-*	*70 - 130*	*10/21/23 16:19*	*10/23/23 04:17*	*5*
o-Terphenyl	*79*		*70 - 130*	*10/21/23 16:19*	*10/23/23 04:17*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**148**	**F1**	5.05		mg/Kg			10/23/23 10:35	1

Client Sample ID: S-2 (1')

Lab Sample ID: 880-34715-4
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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		10/20/23 14:43	10/21/23 00:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:43	10/21/23 00:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:43	10/21/23 00:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/20/23 14:43	10/21/23 00:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:43	10/21/23 00:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/20/23 14:43	10/21/23 00:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*10/20/23 14:43*	*10/21/23 00:33*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*10/20/23 14:43*	*10/21/23 00:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/21/23 00:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1000**		49.9		mg/Kg			10/23/23 02:09	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		10/21/23 16:19	10/23/23 02:09	1
Diesel Range Organics (Over C10-C28)	**1000**		49.9		mg/Kg		10/21/23 16:19	10/23/23 02:09	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/21/23 16:19	10/23/23 02:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*10/21/23 16:19*	*10/23/23 02:09*	*1*
o-Terphenyl	*84*		*70 - 130*	*10/21/23 16:19*	*10/23/23 02:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**277**		5.05		mg/Kg			10/23/23 10:54	1

Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (2')

Lab Sample ID: 880-34715-5
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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		10/20/23 14:43	10/21/23 00:54	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/20/23 14:43	10/21/23 00:54	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/20/23 14:43	10/21/23 00:54	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		10/20/23 14:43	10/21/23 00:54	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/20/23 14:43	10/21/23 00:54	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		10/20/23 14:43	10/21/23 00:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*10/20/23 14:43*	*10/21/23 00:54*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*10/20/23 14:43*	*10/21/23 00:54*	*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			10/21/23 00:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**3310**		249		mg/Kg			10/23/23 04:37	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		10/21/23 16:19	10/23/23 04:37	5
Diesel Range Organics (Over C10-C28)	**3310**		249		mg/Kg		10/21/23 16:19	10/23/23 04:37	5
Oil Range Organics (Over C28-C36)	<249	U	249		mg/Kg		10/21/23 16:19	10/23/23 04:37	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*10/21/23 16:19*	*10/23/23 04:37*	*5*
o-Terphenyl	*87*		*70 - 130*	*10/21/23 16:19*	*10/23/23 04:37*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**115**		5.02		mg/Kg			10/23/23 11:01	1

Client Sample ID: S-2 (3')

Lab Sample ID: 880-34715-6
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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		10/20/23 14:43	10/21/23 01:14	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/20/23 14:43	10/21/23 01:14	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/20/23 14:43	10/21/23 01:14	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/20/23 14:43	10/21/23 01:14	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/20/23 14:43	10/21/23 01:14	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/20/23 14:43	10/21/23 01:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*10/20/23 14:43*	*10/21/23 01:14*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*10/20/23 14:43*	*10/21/23 01:14*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (3')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34715-6
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/21/23 01:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1350**		50.3		mg/Kg			10/23/23 02:30	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	<50.3	U	50.3		mg/Kg		10/21/23 16:19	10/23/23 02:30	1
Diesel Range Organics (Over C10-C28)	**1350**		50.3		mg/Kg		10/21/23 16:19	10/23/23 02:30	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		10/21/23 16:19	10/23/23 02:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*10/21/23 16:19*	*10/23/23 02:30*	*1*
o-Terphenyl	*81*		*70 - 130*	*10/21/23 16:19*	*10/23/23 02:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**140**		4.98		mg/Kg			10/23/23 11:21	1

Client Sample ID: S-2 (4')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34715-7
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		10/20/23 14:43	10/21/23 01:35	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/20/23 14:43	10/21/23 01:35	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/20/23 14:43	10/21/23 01:35	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/20/23 14:43	10/21/23 01:35	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/20/23 14:43	10/21/23 01:35	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/20/23 14:43	10/21/23 01:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*10/20/23 14:43*	*10/21/23 01:35*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*10/20/23 14:43*	*10/21/23 01:35*	*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			10/21/23 01:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1760**		50.1		mg/Kg			10/23/23 02:51	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	<50.1	U	50.1		mg/Kg		10/21/23 16:19	10/23/23 02:51	1
Diesel Range Organics (Over C10-C28)	**1760**		50.1		mg/Kg		10/21/23 16:19	10/23/23 02:51	1

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Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (4')

Lab Sample ID: 880-34715-7
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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)	<50.1	U	50.1		mg/Kg		10/21/23 16:19	10/23/23 02:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*10/21/23 16:19*	*10/23/23 02:51*	*1*
o-Terphenyl	*86*		*70 - 130*	*10/21/23 16:19*	*10/23/23 02:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**173**		4.96		mg/Kg			10/23/23 11:28	1

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

Lab Sample ID: 880-34715-8
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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		10/20/23 14:43	10/21/23 01:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:43	10/21/23 01:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:43	10/21/23 01:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/20/23 14:43	10/21/23 01:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:43	10/21/23 01:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/20/23 14:43	10/21/23 01:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*10/20/23 14:43*	*10/21/23 01:55*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*10/20/23 14:43*	*10/21/23 01:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/21/23 01:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/22/23 23:23	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		10/21/23 16:19	10/22/23 23:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/21/23 16:19	10/22/23 23:23	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/21/23 16:19	10/22/23 23:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*70*		*70 - 130*	*10/21/23 16:19*	*10/22/23 23:23*	*1*
o-Terphenyl	*82*		*70 - 130*	*10/21/23 16:19*	*10/22/23 23:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**83.0**		5.05		mg/Kg			10/23/23 11:35	1

Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (1')

Lab Sample ID: 880-34715-9
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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		10/20/23 14:43	10/21/23 02:15	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/20/23 14:43	10/21/23 02:15	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/20/23 14:43	10/21/23 02:15	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/20/23 14:43	10/21/23 02:15	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/20/23 14:43	10/21/23 02:15	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/20/23 14:43	10/21/23 02:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*10/20/23 14:43*	*10/21/23 02:15*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*10/20/23 14:43*	*10/21/23 02:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/21/23 02:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/23/23 00:05	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		10/21/23 16:19	10/23/23 00:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/21/23 16:19	10/23/23 00:05	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/21/23 16:19	10/23/23 00:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*14*	*S1-*	*70 - 130*	*10/21/23 16:19*	*10/23/23 00:05*	*1*
o-Terphenyl	*14*	*S1-*	*70 - 130*	*10/21/23 16:19*	*10/23/23 00:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**92.3**		5.03		mg/Kg			10/23/23 11:41	1

Client Sample ID: S-3 (2')

Lab Sample ID: 880-34715-10
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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		10/20/23 14:43	10/21/23 02:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:43	10/21/23 02:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:43	10/21/23 02:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/20/23 14:43	10/21/23 02:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:43	10/21/23 02:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/20/23 14:43	10/21/23 02:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*10/20/23 14:43*	*10/21/23 02:36*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*10/20/23 14:43*	*10/21/23 02:36*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (2')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34715-10
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			10/21/23 02:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/22/23 23:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/21/23 16:19	10/22/23 23:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/21/23 16:19	10/22/23 23:45	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/21/23 16:19	10/22/23 23:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*68*	*S1-*	*70 - 130*	*10/21/23 16:19*	*10/22/23 23:45*	*1*
o-Terphenyl	*82*		*70 - 130*	*10/21/23 16:19*	*10/22/23 23:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**73.7**		5.04		mg/Kg			10/23/23 11:48	1

Client Sample ID: S-3 (3')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34715-11
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		10/20/23 14:43	10/21/23 04:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:43	10/21/23 04:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:43	10/21/23 04:25	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/20/23 14:43	10/21/23 04:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:43	10/21/23 04:25	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/20/23 14:43	10/21/23 04:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*10/20/23 14:43*	*10/21/23 04:25*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*10/20/23 14:43*	*10/21/23 04:25*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/21/23 04:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			10/22/23 22:42	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	<49.6	U	49.6		mg/Kg		10/21/23 16:19	10/22/23 22:42	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		10/21/23 16:19	10/22/23 22:42	1

Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (3')

Lab Sample ID: 880-34715-11
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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)	<49.6	U	49.6		mg/Kg		10/21/23 16:19	10/22/23 22:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*68*	*S1-*	*70 - 130*	*10/21/23 16:19*	*10/22/23 22:42*	*1*
o-Terphenyl	*81*		*70 - 130*	*10/21/23 16:19*	*10/22/23 22:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**88.6**		5.02		mg/Kg			10/23/23 11:55	1

Client Sample ID: S-3 (4')

Lab Sample ID: 880-34715-12
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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		10/20/23 14:43	10/21/23 04:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:43	10/21/23 04:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:43	10/21/23 04:46	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/20/23 14:43	10/21/23 04:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:43	10/21/23 04:46	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/20/23 14:43	10/21/23 04:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*10/20/23 14:43*	*10/21/23 04:46*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*10/20/23 14:43*	*10/21/23 04:46*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/21/23 04:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/22/23 23:03	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	<49.7	U	49.7		mg/Kg		10/21/23 16:19	10/22/23 23:03	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/21/23 16:19	10/22/23 23:03	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/21/23 16:19	10/22/23 23:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*70*		*70 - 130*	*10/21/23 16:19*	*10/22/23 23:03*	*1*
o-Terphenyl	*85*		*70 - 130*	*10/21/23 16:19*	*10/22/23 23:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**104**		4.96		mg/Kg			10/23/23 12:01	1

Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-34715-13
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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		10/20/23 14:43	10/21/23 05:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:43	10/21/23 05:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:43	10/21/23 05:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/20/23 14:43	10/21/23 05:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:43	10/21/23 05:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/20/23 14:43	10/21/23 05:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*10/20/23 14:43*	*10/21/23 05:06*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*10/20/23 14:43*	*10/21/23 05:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/21/23 05:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**503**		50.3		mg/Kg			10/23/23 03:13	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	<50.3	U	50.3		mg/Kg		10/21/23 16:19	10/23/23 03:13	1
Diesel Range Organics (Over C10-C28)	**503**		50.3		mg/Kg		10/21/23 16:19	10/23/23 03:13	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		10/21/23 16:19	10/23/23 03:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*10/21/23 16:19*	*10/23/23 03:13*	*1*
o-Terphenyl	*83*		*70 - 130*	*10/21/23 16:19*	*10/23/23 03:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**256**		5.02		mg/Kg			10/24/23 02:48	1

Client Sample ID: S-4 (1')

Lab Sample ID: 880-34715-14
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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		10/20/23 14:43	10/21/23 05:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:43	10/21/23 05:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:43	10/21/23 05:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/20/23 14:43	10/21/23 05:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:43	10/21/23 05:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/20/23 14:43	10/21/23 05:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*10/20/23 14:43*	*10/21/23 05:27*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*10/20/23 14:43*	*10/21/23 05:27*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

Client Sample ID: S-4 (1')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34715-14
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			10/21/23 05:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**677**		50.4		mg/Kg			10/23/23 03:34	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	<50.4	U	50.4		mg/Kg		10/21/23 16:19	10/23/23 03:34	1
Diesel Range Organics (Over C10-C28)	**677**		50.4		mg/Kg		10/21/23 16:19	10/23/23 03:34	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		10/21/23 16:19	10/23/23 03:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*10/21/23 16:19*	*10/23/23 03:34*	*1*
o-Terphenyl	*96*		*70 - 130*	*10/21/23 16:19*	*10/23/23 03:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1510**		25.1		mg/Kg			10/24/23 02:55	5

Client Sample ID: S-4 (2')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34715-15
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		10/20/23 14:43	10/21/23 05:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:43	10/21/23 05:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:43	10/21/23 05:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/20/23 14:43	10/21/23 05:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:43	10/21/23 05:47	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/20/23 14:43	10/21/23 05:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*10/20/23 14:43*	*10/21/23 05:47*	*1*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*	*10/20/23 14:43*	*10/21/23 05:47*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/21/23 05:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**484**		50.0		mg/Kg			10/23/23 03:56	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		10/21/23 16:19	10/23/23 03:56	1
Diesel Range Organics (Over C10-C28)	**484**		50.0		mg/Kg		10/21/23 16:19	10/23/23 03:56	1

Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

Client Sample ID: S-4 (2')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34715-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/21/23 16:19	10/23/23 03:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*10/21/23 16:19*	*10/23/23 03:56*	*1*
o-Terphenyl	*87*		*70 - 130*	*10/21/23 16:19*	*10/23/23 03:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4020**		25.2		mg/Kg			10/24/23 03:02	5

Client Sample ID: S-4 (3')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34715-16
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		10/20/23 14:43	10/21/23 06:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:43	10/21/23 06:07	1
Ethylbenzene	**0.00734**		0.00200		mg/Kg		10/20/23 14:43	10/21/23 06:07	1
m-Xylene & p-Xylene	**0.0307**		0.00401		mg/Kg		10/20/23 14:43	10/21/23 06:07	1
o-Xylene	**0.00333**		0.00200		mg/Kg		10/20/23 14:43	10/21/23 06:07	1
Xylenes, Total	**0.0340**		0.00401		mg/Kg		10/20/23 14:43	10/21/23 06:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*10/20/23 14:43*	*10/21/23 06:07*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*10/20/23 14:43*	*10/21/23 06:07*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0414**		0.00401		mg/Kg			10/21/23 06:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**5860**		249		mg/Kg			10/23/23 05:19	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		10/21/23 16:19	10/23/23 05:19	5
Diesel Range Organics (Over C10-C28)	**5860**		249		mg/Kg		10/21/23 16:19	10/23/23 05:19	5
OII Range Organics (Over C28-C36)	<249	U	249		mg/Kg		10/21/23 16:19	10/23/23 05:19	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*10/21/23 16:19*	*10/23/23 05:19*	*5*
o-Terphenyl	*118*		*70 - 130*	*10/21/23 16:19*	*10/23/23 05:19*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3370**		24.8		mg/Kg			10/24/23 03:08	5

Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

Client Sample ID: S-4 (4')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34715-17
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		10/20/23 14:43	10/21/23 06:28	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/20/23 14:43	10/21/23 06:28	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/20/23 14:43	10/21/23 06:28	1
m-Xylene & p-Xylene	**0.00479**		0.00403		mg/Kg		10/20/23 14:43	10/21/23 06:28	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/20/23 14:43	10/21/23 06:28	1
Xylenes, Total	**0.00479**		0.00403		mg/Kg		10/20/23 14:43	10/21/23 06:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*10/20/23 14:43*	*10/21/23 06:28*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*10/20/23 14:43*	*10/21/23 06:28*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00479**		0.00403		mg/Kg			10/21/23 06:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**919**		49.6		mg/Kg			10/23/23 00:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		10/21/23 16:19	10/23/23 00:47	1
Diesel Range Organics (Over C10-C28)	**919**		49.6		mg/Kg		10/21/23 16:19	10/23/23 00:47	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		10/21/23 16:19	10/23/23 00:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*10/21/23 16:19*	*10/23/23 00:47*	*1*
o-Terphenyl	*84*		*70 - 130*	*10/21/23 16:19*	*10/23/23 00:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1350**		5.02		mg/Kg			10/24/23 03:28	1

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

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34715-18
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		10/20/23 14:43	10/21/23 06:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:43	10/21/23 06:48	1
Ethylbenzene	**0.00214**		0.00199		mg/Kg		10/20/23 14:43	10/21/23 06:48	1
m-Xylene & p-Xylene	**0.0116**		0.00398		mg/Kg		10/20/23 14:43	10/21/23 06:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:43	10/21/23 06:48	1
Xylenes, Total	**0.0116**		0.00398		mg/Kg		10/20/23 14:43	10/21/23 06:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*10/20/23 14:43*	*10/21/23 06:48*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*10/20/23 14:43*	*10/21/23 06:48*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-34715-18
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0137**		0.00398		mg/Kg			10/21/23 06:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1230**		50.2		mg/Kg			10/23/23 01:08	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	<50.2	U	50.2		mg/Kg		10/21/23 16:19	10/23/23 01:08	1
Diesel Range Organics (Over C10-C28)	**1230**		50.2		mg/Kg		10/21/23 16:19	10/23/23 01:08	1
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		10/21/23 16:19	10/23/23 01:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*10/21/23 16:19*	*10/23/23 01:08*	*1*
o-Terphenyl	*91*		*70 - 130*	*10/21/23 16:19*	*10/23/23 01:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2900**		25.1		mg/Kg			10/24/23 03:35	5

Client Sample ID: S-5 (1')

Lab Sample ID: 880-34715-19
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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		10/20/23 14:43	10/21/23 07:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:43	10/21/23 07:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:43	10/21/23 07:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/20/23 14:43	10/21/23 07:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:43	10/21/23 07:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/20/23 14:43	10/21/23 07:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*10/20/23 14:43*	*10/21/23 07:09*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*10/20/23 14:43*	*10/21/23 07:09*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/21/23 07:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**249**		50.4		mg/Kg			10/23/23 01:28	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	<50.4	U	50.4		mg/Kg		10/21/23 16:19	10/23/23 01:28	1
Diesel Range Organics (Over C10-C28)	**249**		50.4		mg/Kg		10/21/23 16:19	10/23/23 01:28	1

Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

Client Sample ID: S-5 (1')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34715-19

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		10/21/23 16:19	10/23/23 01:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*61*	*S1-*	*70 - 130*	*10/21/23 16:19*	*10/23/23 01:28*	*1*
o-Terphenyl	*69*	*S1-*	*70 - 130*	*10/21/23 16:19*	*10/23/23 01:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1290**		25.2		mg/Kg			10/24/23 03:55	5

Client Sample ID: S-5 (2')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34715-20

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		10/20/23 14:43	10/21/23 07:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:43	10/21/23 07:29	1
Ethylbenzene	**0.00396**		0.00200		mg/Kg		10/20/23 14:43	10/21/23 07:29	1
m-Xylene & p-Xylene	**0.0181**		0.00401		mg/Kg		10/20/23 14:43	10/21/23 07:29	1
o-Xylene	**0.00525**		0.00200		mg/Kg		10/20/23 14:43	10/21/23 07:29	1
Xylenes, Total	**0.0234**		0.00401		mg/Kg		10/20/23 14:43	10/21/23 07:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*10/20/23 14:43*	*10/21/23 07:29*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*10/20/23 14:43*	*10/21/23 07:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0273**		0.00401		mg/Kg			10/21/23 07:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**9250**		504		mg/Kg			10/23/23 04:58	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	<504	U	504		mg/Kg		10/21/23 16:19	10/23/23 04:58	10
Diesel Range Organics (Over C10-C28)	**9250**		504		mg/Kg		10/21/23 16:19	10/23/23 04:58	10
OII Range Organics (Over C28-C36)	<504	U	504		mg/Kg		10/21/23 16:19	10/23/23 04:58	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*10/21/23 16:19*	*10/23/23 04:58*	*10*
o-Terphenyl	*103*		*70 - 130*	*10/21/23 16:19*	*10/23/23 04:58*	*10*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2970**		25.0		mg/Kg			10/24/23 04:01	5

Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

Client Sample ID: S-5 (3')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34715-21
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:22	10/21/23 16:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:22	10/21/23 16:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:22	10/21/23 16:51	1
m-Xylene & p-Xylene	**0.00451**		0.00398		mg/Kg		10/20/23 14:22	10/21/23 16:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:22	10/21/23 16:51	1
Xylenes, Total	**0.00451**		0.00398		mg/Kg		10/20/23 14:22	10/21/23 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*10/20/23 14:22*	*10/21/23 16:51*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*10/20/23 14:22*	*10/21/23 16:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00451**		0.00398		mg/Kg			10/21/23 16:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**5170**		50.0		mg/Kg			10/23/23 03:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/20/23 18:14	10/23/23 03:15	1
Diesel Range Organics (Over C10-C28)	**5170**		50.0		mg/Kg		10/20/23 18:14	10/23/23 03:15	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/20/23 18:14	10/23/23 03:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*141*	*S1+*	*70 - 130*	*10/20/23 18:14*	*10/23/23 03:15*	*1*
o-Terphenyl	*109*		*70 - 130*	*10/20/23 18:14*	*10/23/23 03:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1060**		5.03		mg/Kg			10/24/23 04:08	1

Client Sample ID: S-5 (4')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34715-22
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		10/20/23 14:22	10/21/23 17:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:22	10/21/23 17:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:22	10/21/23 17:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/20/23 14:22	10/21/23 17:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:22	10/21/23 17:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/20/23 14:22	10/21/23 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*10/20/23 14:22*	*10/21/23 17:11*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*10/20/23 14:22*	*10/21/23 17:11*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

Client Sample ID: S-5 (4')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34715-22

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/21/23 17:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**3000**		50.3		mg/Kg			10/23/23 03:37	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	<50.3	U	50.3		mg/Kg		10/20/23 18:14	10/23/23 03:37	1
Diesel Range Organics (Over C10-C28)	**3000**		50.3		mg/Kg		10/20/23 18:14	10/23/23 03:37	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		10/20/23 18:14	10/23/23 03:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*147*	*S1+*	*70 - 130*	*10/20/23 18:14*	*10/23/23 03:37*	*1*
o-Terphenyl	*112*		*70 - 130*	*10/20/23 18:14*	*10/23/23 03:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**808**		5.03		mg/Kg			10/24/23 04:15	1

Surrogate Summary

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
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)
880-34715-1	S-1 (0-0.5')	85	103
880-34715-1 MS	S-1 (0-0.5')	89	103
880-34715-1 MSD	S-1 (0-0.5')	90	101
880-34715-2	S-1 (1')	84	105
880-34715-3	S-2 (0-0.5')	81	111
880-34715-4	S-2 (1')	93	112
880-34715-5	S-2 (2')	85	110
880-34715-6	S-2 (3')	79	115
880-34715-7	S-2 (4')	83	113
880-34715-8	S-3 (0-0.5')	81	108
880-34715-9	S-3 (1')	91	101
880-34715-10	S-3 (2')	98	115
880-34715-11	S-3 (3')	83	106
880-34715-12	S-3 (4')	89	111
880-34715-13	S-4 (0-0.5')	90	110
880-34715-14	S-4 (1')	86	115
880-34715-15	S-4 (2')	84	119
880-34715-16	S-4 (3')	78	102
880-34715-17	S-4 (4')	103	102
880-34715-18	S-5 (0-0.5')	116	97
880-34715-19	S-5 (1')	107	98
880-34715-20	S-5 (2')	87	108
880-34715-21	S-5 (3')	96	102
880-34715-22	S-5 (4')	93	98
LCS 880-65159/1-A	Lab Control Sample	96	101
LCS 880-65235/1-A	Lab Control Sample	94	107
LCSD 880-65159/2-A	Lab Control Sample Dup	101	110
LCSD 880-65235/2-A	Lab Control Sample Dup	76	115
MB 880-65106/5-A	Method Blank	105	128
MB 880-65159/5-A	Method Blank	108	134 S1+
MB 880-65235/5-A	Method Blank	109	147 S1+

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)
880-34715-1	S-1 (0-0.5')	74	86
880-34715-2	S-1 (1')	61 S1-	68 S1-
880-34715-2 MS	S-1 (1')	61 S1-	56 S1-
880-34715-2 MSD	S-1 (1')	68 S1-	67 S1-
880-34715-3	S-2 (0-0.5')	68 S1-	79
880-34715-4	S-2 (1')	80	84
880-34715-5	S-2 (2')	74	87
880-34715-6	S-2 (3')	76	81

Surrogate Summary

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
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)								
880-34715-7	S-2 (4')	81	86								
880-34715-8	S-3 (0-0.5')	70	82								
880-34715-9	S-3 (1')	14 S1-	14 S1-								
880-34715-10	S-3 (2')	68 S1-	82								
880-34715-11	S-3 (3')	68 S1-	81								
880-34715-12	S-3 (4')	70	85								
880-34715-13	S-4 (0-0.5')	75	83								
880-34715-14	S-4 (1')	88	96								
880-34715-15	S-4 (2')	79	87								
880-34715-16	S-4 (3')	101	118								
880-34715-17	S-4 (4')	73	84								
880-34715-18	S-5 (0-0.5')	79	91								
880-34715-19	S-5 (1')	61 S1-	69 S1-								
880-34715-20	S-5 (2')	86	103								
880-34715-21	S-5 (3')	141 S1+	109								
880-34715-22	S-5 (4')	147 S1+	112								
890-5480-A-1-C MS	Matrix Spike	123	96								
890-5480-A-1-D MSD	Matrix Spike Duplicate	128	99								
LCS 880-65263/2-A	Lab Control Sample	121	125								
LCS 880-65278/2-A	Lab Control Sample	91	105								
LCSD 880-65263/3-A	Lab Control Sample Dup	110	107								
LCSD 880-65278/3-A	Lab Control Sample Dup	91	102								
MB 880-65263/1-A	Method Blank	216 S1+	196 S1+								
MB 880-65278/1-A	Method Blank	105	131 S1+								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-65106/5-A
Matrix: Solid
Analysis Batch: 65138

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65106

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/19/23 16:49	10/20/23 11:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/19/23 16:49	10/20/23 11:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/19/23 16:49	10/20/23 11:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/19/23 16:49	10/20/23 11:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/19/23 16:49	10/20/23 11:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/19/23 16:49	10/20/23 11:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*10/19/23 16:49*	*10/20/23 11:27*	*1*
1,4-Difluorobenzene (Surr)	*128*		*70 - 130*	*10/19/23 16:49*	*10/20/23 11:27*	*1*

Lab Sample ID: MB 880-65159/5-A
Matrix: Solid
Analysis Batch: 65138

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65159

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:22	10/21/23 10:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:22	10/21/23 10:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:22	10/21/23 10:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/20/23 14:22	10/21/23 10:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:22	10/21/23 10:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/20/23 14:22	10/21/23 10:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*10/20/23 14:22*	*10/21/23 10:39*	*1*
1,4-Difluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*10/20/23 14:22*	*10/21/23 10:39*	*1*

Lab Sample ID: LCS 880-65159/1-A
Matrix: Solid
Analysis Batch: 65138

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 65159

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1032		mg/Kg		103	70 - 130
Toluene	0.100	0.08820		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.08658		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1819		mg/Kg		91	70 - 130
o-Xylene	0.100	0.08621		mg/Kg		86	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-65159/2-A
Matrix: Solid
Analysis Batch: 65138

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 65159

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1101		mg/Kg		110	70 - 130	7	35

QC Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-65159/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65138 — **Prep Batch: 65159**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.08618		mg/Kg		86	70 - 130	2	35
Ethylbenzene			0.100	0.08596		mg/Kg		86	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.1947		mg/Kg		97	70 - 130	7	35
o-Xylene			0.100	0.09385		mg/Kg		94	70 - 130	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: MB 880-65235/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65138 — **Prep Batch: 65235**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:43	10/20/23 23:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:43	10/20/23 23:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:43	10/20/23 23:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/20/23 14:43	10/20/23 23:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:43	10/20/23 23:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/20/23 14:43	10/20/23 23:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*10/20/23 14:43*	*10/20/23 23:03*	*1*
1,4-Difluorobenzene (Surr)	*147*	*S1+*	*70 - 130*	*10/20/23 14:43*	*10/20/23 23:03*	*1*

Lab Sample ID: LCS 880-65235/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65138 — **Prep Batch: 65235**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene			0.100	0.08758		mg/Kg		88	70 - 130
Toluene			0.100	0.07557		mg/Kg		76	70 - 130
Ethylbenzene			0.100	0.07035		mg/Kg		70	70 - 130
m-Xylene & p-Xylene			0.200	0.1680		mg/Kg		84	70 - 130
o-Xylene			0.100	0.08151		mg/Kg		82	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: LCSD 880-65235/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65138 — **Prep Batch: 65235**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09739		mg/Kg		97	70 - 130	11	35
Toluene			0.100	0.08165		mg/Kg		82	70 - 130	8	35
Ethylbenzene			0.100	0.07045		mg/Kg		70	70 - 130	0	35

QC Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-65235/2-A
Matrix: Solid
Analysis Batch: 65138

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 65235

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene			0.200	0.1568		mg/Kg		78	70 - 130	7	35
o-Xylene			0.100	0.07468		mg/Kg		75	70 - 130	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*

Lab Sample ID: 880-34715-1 MS
Matrix: Solid
Analysis Batch: 65138

Client Sample ID: S-1 (0-0.5')
Prep Type: Total/NA
Prep Batch: 65235

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0996	0.07045		mg/Kg		71	70 - 130
Toluene	<0.00200	U F1	0.0996	0.05949	F1	mg/Kg		60	70 - 130
Ethylbenzene	<0.00200	U F1	0.0996	0.04495	F1	mg/Kg		45	70 - 130
m-Xylene & p-Xylene	<0.00401	U F1	0.199	0.09996	F1	mg/Kg		50	70 - 130
o-Xylene	<0.00200	U F1	0.0996	0.04683	F1	mg/Kg		46	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 880-34715-1 MSD
Matrix: Solid
Analysis Batch: 65138

Client Sample ID: S-1 (0-0.5')
Prep Type: Total/NA
Prep Batch: 65235

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0994	0.06926		mg/Kg		70	70 - 130	2	35
Toluene	<0.00200	U F1	0.0994	0.05473	F1	mg/Kg		55	70 - 130	8	35
Ethylbenzene	<0.00200	U F1	0.0994	0.04024	F1	mg/Kg		40	70 - 130	11	35
m-Xylene & p-Xylene	<0.00401	U F1	0.199	0.09046	F1	mg/Kg		46	70 - 130	10	35
o-Xylene	<0.00200	U F1	0.0994	0.04358	F1	mg/Kg		43	70 - 130	7	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

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

Lab Sample ID: MB 880-65263/1-A
Matrix: Solid
Analysis Batch: 65282

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65263

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		10/20/23 18:14	10/22/23 20:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/20/23 18:14	10/22/23 20:03	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/20/23 18:14	10/22/23 20:03	1

QC Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	216	S1+	70 - 130	10/20/23 18:14	10/22/23 20:03	1
o-Terphenyl	196	S1+	70 - 130	10/20/23 18:14	10/22/23 20:03	1

Lab Sample ID: LCS 880-65263/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65282 — **Prep Batch: 65263**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1062		mg/Kg		106	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	991.0		mg/Kg		99	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	121		70 - 130
o-Terphenyl	125		70 - 130

Lab Sample ID: LCSD 880-65263/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65282 — **Prep Batch: 65263**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1032		mg/Kg		103	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	949.9		mg/Kg		95	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: 890-5480-A-1-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65282 — **Prep Batch: 65263**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	998	897.0		mg/Kg		87	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.6	U	998	1215		mg/Kg		120	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	123		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: 890-5480-A-1-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65282 — **Prep Batch: 65263**

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	<49.6	U	998	933.8		mg/Kg		91	70 - 130	4	20

QC Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 890-5480-A-1-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65282 — **Prep Batch: 65263**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (Over C10-C28)	<49.6	U	998	1269		mg/Kg		125	70 - 130	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*128*		*70 - 130*
o-Terphenyl	*99*		*70 - 130*

Lab Sample ID: MB 880-65278/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65289 — **Prep Batch: 65278**

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		10/21/23 16:19	10/22/23 20:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/21/23 16:19	10/22/23 20:17	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/21/23 16:19	10/22/23 20:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*10/21/23 16:19*	*10/22/23 20:17*	*1*
o-Terphenyl	*131*	*S1+*	*70 - 130*	*10/21/23 16:19*	*10/22/23 20:17*	*1*

Lab Sample ID: LCS 880-65278/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65289 — **Prep Batch: 65278**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	855.4		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	1000	908.6		mg/Kg		91	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*91*		*70 - 130*
o-Terphenyl	*105*		*70 - 130*

Lab Sample ID: LCSD 880-65278/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65289 — **Prep Batch: 65278**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	818.6		mg/Kg		82	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	938.8		mg/Kg		94	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*91*		*70 - 130*
o-Terphenyl	*102*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-34715-2 MS
Matrix: Solid
Analysis Batch: 65289

Client Sample ID: S-1 (1')
Prep Type: Total/NA
Prep Batch: 65278

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.5	U F1	1000	565.6	F1	mg/Kg		54	70 - 130
Diesel Range Organics (Over C10-C28)	<50.5	U F1	1000	540.0	F1	mg/Kg		54	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*61*	*S1-*	*70 - 130*
o-Terphenyl	*56*	*S1-*	*70 - 130*

Lab Sample ID: 880-34715-2 MSD
Matrix: Solid
Analysis Batch: 65289

Client Sample ID: S-1 (1')
Prep Type: Total/NA
Prep Batch: 65278

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	<50.5	U F1	1000	610.1	F1	mg/Kg		59	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	<50.5	U F1	1000	656.4	F1	mg/Kg		66	70 - 130	19	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*68*	*S1-*	*70 - 130*
o-Terphenyl	*67*	*S1-*	*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-65237/1-A
Matrix: Solid
Analysis Batch: 65350

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/23/23 08:41	1

Lab Sample ID: LCS 880-65237/2-A
Matrix: Solid
Analysis Batch: 65350

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	234.8		mg/Kg		94	90 - 110

Lab Sample ID: LCSD 880-65237/3-A
Matrix: Solid
Analysis Batch: 65350

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	224.6		mg/Kg		90	90 - 110	4	20

QC Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-34715-3 MS — **Client Sample ID: S-2 (0-0.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 65350

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	148	F1	253	368.6	F1	mg/Kg		87	90 - 110

Lab Sample ID: 880-34715-3 MSD — **Client Sample ID: S-2 (0-0.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 65350

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	148	F1	253	369.5	F1	mg/Kg		88	90 - 110	0	20

Lab Sample ID: MB 880-65238/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 65364

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/24/23 01:16	1

Lab Sample ID: LCS 880-65238/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 65364

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	250.7		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-65238/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 65364

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	245.8		mg/Kg		98	90 - 110	2	20

Lab Sample ID: 880-34715-16 MS — **Client Sample ID: S-4 (3')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 65364

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3370		1240	4649		mg/Kg		103	90 - 110

Lab Sample ID: 880-34715-16 MSD — **Client Sample ID: S-4 (3')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 65364

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3370		1240	4642		mg/Kg		102	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

GC VOA

Prep Batch: 65106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-65106/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 65138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34715-1	S-1 (0-0.5')	Total/NA	Solid	8021B	65235
880-34715-2	S-1 (1')	Total/NA	Solid	8021B	65235
880-34715-3	S-2 (0-0.5')	Total/NA	Solid	8021B	65235
880-34715-4	S-2 (1')	Total/NA	Solid	8021B	65235
880-34715-5	S-2 (2')	Total/NA	Solid	8021B	65235
880-34715-6	S-2 (3')	Total/NA	Solid	8021B	65235
880-34715-7	S-2 (4')	Total/NA	Solid	8021B	65235
880-34715-8	S-3 (0-0.5')	Total/NA	Solid	8021B	65235
880-34715-9	S-3 (1')	Total/NA	Solid	8021B	65235
880-34715-10	S-3 (2')	Total/NA	Solid	8021B	65235
880-34715-11	S-3 (3')	Total/NA	Solid	8021B	65235
880-34715-12	S-3 (4')	Total/NA	Solid	8021B	65235
880-34715-13	S-4 (0-0.5')	Total/NA	Solid	8021B	65235
880-34715-14	S-4 (1')	Total/NA	Solid	8021B	65235
880-34715-15	S-4 (2')	Total/NA	Solid	8021B	65235
880-34715-16	S-4 (3')	Total/NA	Solid	8021B	65235
880-34715-17	S-4 (4')	Total/NA	Solid	8021B	65235
880-34715-18	S-5 (0-0.5')	Total/NA	Solid	8021B	65235
880-34715-19	S-5 (1')	Total/NA	Solid	8021B	65235
880-34715-20	S-5 (2')	Total/NA	Solid	8021B	65235
880-34715-21	S-5 (3')	Total/NA	Solid	8021B	65159
880-34715-22	S-5 (4')	Total/NA	Solid	8021B	65159
MB 880-65106/5-A	Method Blank	Total/NA	Solid	8021B	65106
MB 880-65159/5-A	Method Blank	Total/NA	Solid	8021B	65159
MB 880-65235/5-A	Method Blank	Total/NA	Solid	8021B	65235
LCS 880-65159/1-A	Lab Control Sample	Total/NA	Solid	8021B	65159
LCS 880-65235/1-A	Lab Control Sample	Total/NA	Solid	8021B	65235
LCSD 880-65159/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	65159
LCSD 880-65235/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	65235
880-34715-1 MS	S-1 (0-0.5')	Total/NA	Solid	8021B	65235
880-34715-1 MSD	S-1 (0-0.5')	Total/NA	Solid	8021B	65235

Prep Batch: 65159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34715-21	S-5 (3')	Total/NA	Solid	5035	
880-34715-22	S-5 (4')	Total/NA	Solid	5035	
MB 880-65159/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-65159/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-65159/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 65235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34715-1	S-1 (0-0.5')	Total/NA	Solid	5035	
880-34715-2	S-1 (1')	Total/NA	Solid	5035	
880-34715-3	S-2 (0-0.5')	Total/NA	Solid	5035	
880-34715-4	S-2 (1')	Total/NA	Solid	5035	
880-34715-5	S-2 (2')	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Prep Batch: 65235 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34715-6	S-2 (3')	Total/NA	Solid	5035	
880-34715-7	S-2 (4')	Total/NA	Solid	5035	
880-34715-8	S-3 (0-0.5')	Total/NA	Solid	5035	
880-34715-9	S-3 (1')	Total/NA	Solid	5035	
880-34715-10	S-3 (2')	Total/NA	Solid	5035	
880-34715-11	S-3 (3')	Total/NA	Solid	5035	
880-34715-12	S-3 (4')	Total/NA	Solid	5035	
880-34715-13	S-4 (0-0.5')	Total/NA	Solid	5035	
880-34715-14	S-4 (1')	Total/NA	Solid	5035	
880-34715-15	S-4 (2')	Total/NA	Solid	5035	
880-34715-16	S-4 (3')	Total/NA	Solid	5035	
880-34715-17	S-4 (4')	Total/NA	Solid	5035	
880-34715-18	S-5 (0-0.5')	Total/NA	Solid	5035	
880-34715-19	S-5 (1')	Total/NA	Solid	5035	
880-34715-20	S-5 (2')	Total/NA	Solid	5035	
MB 880-65235/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-65235/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-65235/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-34715-1 MS	S-1 (0-0.5')	Total/NA	Solid	5035	
880-34715-1 MSD	S-1 (0-0.5')	Total/NA	Solid	5035	

Analysis Batch: 65421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34715-1	S-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-34715-2	S-1 (1')	Total/NA	Solid	Total BTEX	
880-34715-3	S-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-34715-4	S-2 (1')	Total/NA	Solid	Total BTEX	
880-34715-5	S-2 (2')	Total/NA	Solid	Total BTEX	
880-34715-6	S-2 (3')	Total/NA	Solid	Total BTEX	
880-34715-7	S-2 (4')	Total/NA	Solid	Total BTEX	
880-34715-8	S-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-34715-9	S-3 (1')	Total/NA	Solid	Total BTEX	
880-34715-10	S-3 (2')	Total/NA	Solid	Total BTEX	
880-34715-11	S-3 (3')	Total/NA	Solid	Total BTEX	
880-34715-12	S-3 (4')	Total/NA	Solid	Total BTEX	
880-34715-13	S-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-34715-14	S-4 (1')	Total/NA	Solid	Total BTEX	
880-34715-15	S-4 (2')	Total/NA	Solid	Total BTEX	
880-34715-16	S-4 (3')	Total/NA	Solid	Total BTEX	
880-34715-17	S-4 (4')	Total/NA	Solid	Total BTEX	
880-34715-18	S-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-34715-19	S-5 (1')	Total/NA	Solid	Total BTEX	
880-34715-20	S-5 (2')	Total/NA	Solid	Total BTEX	
880-34715-21	S-5 (3')	Total/NA	Solid	Total BTEX	
880-34715-22	S-5 (4')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 65263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34715-21	S-5 (3')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 65263 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34715-22	S-5 (4')	Total/NA	Solid	8015NM Prep	
MB 880-65263/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-65263/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-65263/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5480-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-5480-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 65278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34715-1	S-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-34715-2	S-1 (1')	Total/NA	Solid	8015NM Prep	
880-34715-3	S-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-34715-4	S-2 (1')	Total/NA	Solid	8015NM Prep	
880-34715-5	S-2 (2')	Total/NA	Solid	8015NM Prep	
880-34715-6	S-2 (3')	Total/NA	Solid	8015NM Prep	
880-34715-7	S-2 (4')	Total/NA	Solid	8015NM Prep	
880-34715-8	S-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-34715-9	S-3 (1')	Total/NA	Solid	8015NM Prep	
880-34715-10	S-3 (2')	Total/NA	Solid	8015NM Prep	
880-34715-11	S-3 (3')	Total/NA	Solid	8015NM Prep	
880-34715-12	S-3 (4')	Total/NA	Solid	8015NM Prep	
880-34715-13	S-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-34715-14	S-4 (1')	Total/NA	Solid	8015NM Prep	
880-34715-15	S-4 (2')	Total/NA	Solid	8015NM Prep	
880-34715-16	S-4 (3')	Total/NA	Solid	8015NM Prep	
880-34715-17	S-4 (4')	Total/NA	Solid	8015NM Prep	
880-34715-18	S-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-34715-19	S-5 (1')	Total/NA	Solid	8015NM Prep	
880-34715-20	S-5 (2')	Total/NA	Solid	8015NM Prep	
MB 880-65278/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-65278/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-65278/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-34715-2 MS	S-1 (1')	Total/NA	Solid	8015NM Prep	
880-34715-2 MSD	S-1 (1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 65282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34715-21	S-5 (3')	Total/NA	Solid	8015B NM	65263
880-34715-22	S-5 (4')	Total/NA	Solid	8015B NM	65263
MB 880-65263/1-A	Method Blank	Total/NA	Solid	8015B NM	65263
LCS 880-65263/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	65263
LCSD 880-65263/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	65263
890-5480-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	65263
890-5480-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	65263

Analysis Batch: 65289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34715-1	S-1 (0-0.5')	Total/NA	Solid	8015B NM	65278
880-34715-2	S-1 (1')	Total/NA	Solid	8015B NM	65278
880-34715-3	S-2 (0-0.5')	Total/NA	Solid	8015B NM	65278
880-34715-4	S-2 (1')	Total/NA	Solid	8015B NM	65278

QC Association Summary

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 65289 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34715-5	S-2 (2')	Total/NA	Solid	8015B NM	65278
880-34715-6	S-2 (3')	Total/NA	Solid	8015B NM	65278
880-34715-7	S-2 (4')	Total/NA	Solid	8015B NM	65278
880-34715-8	S-3 (0-0.5')	Total/NA	Solid	8015B NM	65278
880-34715-9	S-3 (1')	Total/NA	Solid	8015B NM	65278
880-34715-10	S-3 (2')	Total/NA	Solid	8015B NM	65278
880-34715-11	S-3 (3')	Total/NA	Solid	8015B NM	65278
880-34715-12	S-3 (4')	Total/NA	Solid	8015B NM	65278
880-34715-13	S-4 (0-0.5')	Total/NA	Solid	8015B NM	65278
880-34715-14	S-4 (1')	Total/NA	Solid	8015B NM	65278
880-34715-15	S-4 (2')	Total/NA	Solid	8015B NM	65278
880-34715-16	S-4 (3')	Total/NA	Solid	8015B NM	65278
880-34715-17	S-4 (4')	Total/NA	Solid	8015B NM	65278
880-34715-18	S-5 (0-0.5')	Total/NA	Solid	8015B NM	65278
880-34715-19	S-5 (1')	Total/NA	Solid	8015B NM	65278
880-34715-20	S-5 (2')	Total/NA	Solid	8015B NM	65278
MB 880-65278/1-A	Method Blank	Total/NA	Solid	8015B NM	65278
LCS 880-65278/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	65278
LCSD 880-65278/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	65278
880-34715-2 MS	S-1 (1')	Total/NA	Solid	8015B NM	65278
880-34715-2 MSD	S-1 (1')	Total/NA	Solid	8015B NM	65278

Analysis Batch: 65381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34715-1	S-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-34715-2	S-1 (1')	Total/NA	Solid	8015 NM	
880-34715-3	S-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-34715-4	S-2 (1')	Total/NA	Solid	8015 NM	
880-34715-5	S-2 (2')	Total/NA	Solid	8015 NM	
880-34715-6	S-2 (3')	Total/NA	Solid	8015 NM	
880-34715-7	S-2 (4')	Total/NA	Solid	8015 NM	
880-34715-8	S-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-34715-9	S-3 (1')	Total/NA	Solid	8015 NM	
880-34715-10	S-3 (2')	Total/NA	Solid	8015 NM	
880-34715-11	S-3 (3')	Total/NA	Solid	8015 NM	
880-34715-12	S-3 (4')	Total/NA	Solid	8015 NM	
880-34715-13	S-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-34715-14	S-4 (1')	Total/NA	Solid	8015 NM	
880-34715-15	S-4 (2')	Total/NA	Solid	8015 NM	
880-34715-16	S-4 (3')	Total/NA	Solid	8015 NM	
880-34715-17	S-4 (4')	Total/NA	Solid	8015 NM	
880-34715-18	S-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-34715-19	S-5 (1')	Total/NA	Solid	8015 NM	
880-34715-20	S-5 (2')	Total/NA	Solid	8015 NM	
880-34715-21	S-5 (3')	Total/NA	Solid	8015 NM	
880-34715-22	S-5 (4')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

HPLC/IC

Leach Batch: 65237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34715-1	S-1 (0-0.5')	Soluble	Solid	DI Leach	
880-34715-2	S-1 (1')	Soluble	Solid	DI Leach	
880-34715-3	S-2 (0-0.5')	Soluble	Solid	DI Leach	
880-34715-4	S-2 (1')	Soluble	Solid	DI Leach	
880-34715-5	S-2 (2')	Soluble	Solid	DI Leach	
880-34715-6	S-2 (3')	Soluble	Solid	DI Leach	
880-34715-7	S-2 (4')	Soluble	Solid	DI Leach	
880-34715-8	S-3 (0-0.5')	Soluble	Solid	DI Leach	
880-34715-9	S-3 (1')	Soluble	Solid	DI Leach	
880-34715-10	S-3 (2')	Soluble	Solid	DI Leach	
880-34715-11	S-3 (3')	Soluble	Solid	DI Leach	
880-34715-12	S-3 (4')	Soluble	Solid	DI Leach	
MB 880-65237/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-65237/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-65237/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-34715-3 MS	S-2 (0-0.5')	Soluble	Solid	DI Leach	
880-34715-3 MSD	S-2 (0-0.5')	Soluble	Solid	DI Leach	

Leach Batch: 65238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34715-13	S-4 (0-0.5')	Soluble	Solid	DI Leach	
880-34715-14	S-4 (1')	Soluble	Solid	DI Leach	
880-34715-15	S-4 (2')	Soluble	Solid	DI Leach	
880-34715-16	S-4 (3')	Soluble	Solid	DI Leach	
880-34715-17	S-4 (4')	Soluble	Solid	DI Leach	
880-34715-18	S-5 (0-0.5')	Soluble	Solid	DI Leach	
880-34715-19	S-5 (1')	Soluble	Solid	DI Leach	
880-34715-20	S-5 (2')	Soluble	Solid	DI Leach	
880-34715-21	S-5 (3')	Soluble	Solid	DI Leach	
880-34715-22	S-5 (4')	Soluble	Solid	DI Leach	
MB 880-65238/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-65238/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-65238/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-34715-16 MS	S-4 (3')	Soluble	Solid	DI Leach	
880-34715-16 MSD	S-4 (3')	Soluble	Solid	DI Leach	

Analysis Batch: 65350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34715-1	S-1 (0-0.5')	Soluble	Solid	300.0	65237
880-34715-2	S-1 (1')	Soluble	Solid	300.0	65237
880-34715-3	S-2 (0-0.5')	Soluble	Solid	300.0	65237
880-34715-4	S-2 (1')	Soluble	Solid	300.0	65237
880-34715-5	S-2 (2')	Soluble	Solid	300.0	65237
880-34715-6	S-2 (3')	Soluble	Solid	300.0	65237
880-34715-7	S-2 (4')	Soluble	Solid	300.0	65237
880-34715-8	S-3 (0-0.5')	Soluble	Solid	300.0	65237
880-34715-9	S-3 (1')	Soluble	Solid	300.0	65237
880-34715-10	S-3 (2')	Soluble	Solid	300.0	65237
880-34715-11	S-3 (3')	Soluble	Solid	300.0	65237
880-34715-12	S-3 (4')	Soluble	Solid	300.0	65237
MB 880-65237/1-A	Method Blank	Soluble	Solid	300.0	65237

QC Association Summary

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 65350 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-65237/2-A	Lab Control Sample	Soluble	Solid	300.0	65237
LCSD 880-65237/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	65237
880-34715-3 MS	S-2 (0-0.5')	Soluble	Solid	300.0	65237
880-34715-3 MSD	S-2 (0-0.5')	Soluble	Solid	300.0	65237

Analysis Batch: 65364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34715-13	S-4 (0-0.5')	Soluble	Solid	300.0	65238
880-34715-14	S-4 (1')	Soluble	Solid	300.0	65238
880-34715-15	S-4 (2')	Soluble	Solid	300.0	65238
880-34715-16	S-4 (3')	Soluble	Solid	300.0	65238
880-34715-17	S-4 (4')	Soluble	Solid	300.0	65238
880-34715-18	S-5 (0-0.5')	Soluble	Solid	300.0	65238
880-34715-19	S-5 (1')	Soluble	Solid	300.0	65238
880-34715-20	S-5 (2')	Soluble	Solid	300.0	65238
880-34715-21	S-5 (3')	Soluble	Solid	300.0	65238
880-34715-22	S-5 (4')	Soluble	Solid	300.0	65238
MB 880-65238/1-A	Method Blank	Soluble	Solid	300.0	65238
LCS 880-65238/2-A	Lab Control Sample	Soluble	Solid	300.0	65238
LCSD 880-65238/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	65238
880-34715-16 MS	S-4 (3')	Soluble	Solid	300.0	65238
880-34715-16 MSD	S-4 (3')	Soluble	Solid	300.0	65238

Lab Chronicle

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-34715-1
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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	65235	10/20/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65138	10/20/23 23:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65421	10/20/23 23:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			65381	10/23/23 00:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	65278	10/21/23 16:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65289	10/23/23 00:26	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	65237	10/20/23 14:44	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	65350	10/23/23 10:21	CH	EET MID

Client Sample ID: S-1 (1')

Lab Sample ID: 880-34715-2
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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	65235	10/20/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65138	10/20/23 23:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65421	10/20/23 23:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			65381	10/22/23 21:33	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	65278	10/21/23 16:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65289	10/22/23 21:33	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	65237	10/20/23 14:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	65350	10/23/23 10:28	CH	EET MID

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

Lab Sample ID: 880-34715-3
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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	65235	10/20/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65138	10/21/23 00:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65421	10/21/23 00:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			65381	10/23/23 04:17	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	65278	10/21/23 16:19	TKC	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	65289	10/23/23 04:17	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	65237	10/20/23 14:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	65350	10/23/23 10:35	CH	EET MID

Client Sample ID: S-2 (1')

Lab Sample ID: 880-34715-4
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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	65235	10/20/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65138	10/21/23 00:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65421	10/21/23 00:33	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (1')

Lab Sample ID: 880-34715-4
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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			65381	10/23/23 02:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	65278	10/21/23 16:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65289	10/23/23 02:09	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	65237	10/20/23 14:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	65350	10/23/23 10:54	CH	EET MID

Client Sample ID: S-2 (2')

Lab Sample ID: 880-34715-5
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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	65235	10/20/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65138	10/21/23 00:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65421	10/21/23 00:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			65381	10/23/23 04:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	65278	10/21/23 16:19	TKC	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	65289	10/23/23 04:37	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	65237	10/20/23 14:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	65350	10/23/23 11:01	CH	EET MID

Client Sample ID: S-2 (3')

Lab Sample ID: 880-34715-6
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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	65235	10/20/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65138	10/21/23 01:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65421	10/21/23 01:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			65381	10/23/23 02:30	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	65278	10/21/23 16:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65289	10/23/23 02:30	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	65237	10/20/23 14:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	65350	10/23/23 11:21	CH	EET MID

Client Sample ID: S-2 (4')

Lab Sample ID: 880-34715-7
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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	65235	10/20/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65138	10/21/23 01:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65421	10/21/23 01:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			65381	10/23/23 02:51	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	65278	10/21/23 16:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65289	10/23/23 02:51	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (4')

Lab Sample ID: 880-34715-7
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	65237	10/20/23 14:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	65350	10/23/23 11:28	CH	EET MID

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

Lab Sample ID: 880-34715-8
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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	65235	10/20/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65138	10/21/23 01:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65421	10/21/23 01:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			65381	10/22/23 23:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	65278	10/21/23 16:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65289	10/22/23 23:23	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	65237	10/20/23 14:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	65350	10/23/23 11:35	CH	EET MID

Client Sample ID: S-3 (1')

Lab Sample ID: 880-34715-9
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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	65235	10/20/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65138	10/21/23 02:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65421	10/21/23 02:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			65381	10/23/23 00:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	65278	10/21/23 16:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65289	10/23/23 00:05	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	65237	10/20/23 14:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	65350	10/23/23 11:41	CH	EET MID

Client Sample ID: S-3 (2')

Lab Sample ID: 880-34715-10
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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	65235	10/20/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65138	10/21/23 02:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65421	10/21/23 02:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			65381	10/22/23 23:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	65278	10/21/23 16:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65289	10/22/23 23:45	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	65237	10/20/23 14:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	65350	10/23/23 11:48	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (3')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34715-11
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			5.01 g	5 mL	65235	10/20/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65138	10/21/23 04:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65421	10/21/23 04:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			65381	10/22/23 22:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	65278	10/21/23 16:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65289	10/22/23 22:42	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	65237	10/20/23 14:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	65350	10/23/23 11:55	CH	EET MID

Client Sample ID: S-3 (4')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34715-12
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			4.99 g	5 mL	65235	10/20/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65138	10/21/23 04:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65421	10/21/23 04:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			65381	10/22/23 23:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	65278	10/21/23 16:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65289	10/22/23 23:03	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	65237	10/20/23 14:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	65350	10/23/23 12:01	CH	EET MID

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

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34715-13
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			5.02 g	5 mL	65235	10/20/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65138	10/21/23 05:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65421	10/21/23 05:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			65381	10/23/23 03:13	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	65278	10/21/23 16:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65289	10/23/23 03:13	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	65238	10/20/23 14:46	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	65364	10/24/23 02:48	CH	EET MID

Client Sample ID: S-4 (1')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34715-14
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			5.03 g	5 mL	65235	10/20/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65138	10/21/23 05:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65421	10/21/23 05:27	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

Client Sample ID: S-4 (1')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34715-14
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			65381	10/23/23 03:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	65278	10/21/23 16:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65289	10/23/23 03:34	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	65238	10/20/23 14:46	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	65364	10/24/23 02:55	CH	EET MID

Client Sample ID: S-4 (2')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34715-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	65235	10/20/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65138	10/21/23 05:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65421	10/21/23 05:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			65381	10/23/23 03:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	65278	10/21/23 16:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65289	10/23/23 03:56	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	65238	10/20/23 14:46	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	65364	10/24/23 03:02	CH	EET MID

Client Sample ID: S-4 (3')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34715-16
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			4.99 g	5 mL	65235	10/20/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65138	10/21/23 06:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65421	10/21/23 06:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			65381	10/23/23 05:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	65278	10/21/23 16:19	TKC	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	65289	10/23/23 05:19	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	65238	10/20/23 14:46	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	65364	10/24/23 03:08	CH	EET MID

Client Sample ID: S-4 (4')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34715-17
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			4.96 g	5 mL	65235	10/20/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65138	10/21/23 06:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65421	10/21/23 06:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			65381	10/23/23 00:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	65278	10/21/23 16:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65289	10/23/23 00:47	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

Client Sample ID: S-4 (4')

Lab Sample ID: 880-34715-17
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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	65238	10/20/23 14:46	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	65364	10/24/23 03:28	CH	EET MID

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

Lab Sample ID: 880-34715-18
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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	65235	10/20/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65138	10/21/23 06:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65421	10/21/23 06:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			65381	10/23/23 01:08	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	65278	10/21/23 16:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65289	10/23/23 01:08	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	65238	10/20/23 14:46	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	65364	10/24/23 03:35	CH	EET MID

Client Sample ID: S-5 (1')

Lab Sample ID: 880-34715-19
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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	65235	10/20/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65138	10/21/23 07:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65421	10/21/23 07:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			65381	10/23/23 01:28	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	65278	10/21/23 16:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65289	10/23/23 01:28	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	65238	10/20/23 14:46	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	65364	10/24/23 03:55	CH	EET MID

Client Sample ID: S-5 (2')

Lab Sample ID: 880-34715-20
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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	65235	10/20/23 14:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65138	10/21/23 07:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65421	10/21/23 07:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			65381	10/23/23 04:58	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	65278	10/21/23 16:19	TKC	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	65289	10/23/23 04:58	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	65238	10/20/23 14:46	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	65364	10/24/23 04:01	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

Client Sample ID: S-5 (3')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34715-21

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			5.03 g	5 mL	65159	10/20/23 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65138	10/21/23 16:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65421	10/21/23 16:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			65381	10/23/23 03:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	65263	10/20/23 18:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65282	10/23/23 03:15	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	65238	10/20/23 14:46	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	65364	10/24/23 04:08	CH	EET MID

Client Sample ID: S-5 (4')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34715-22

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			5.01 g	5 mL	65159	10/20/23 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65138	10/21/23 17:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65421	10/21/23 17:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			65381	10/23/23 03:37	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	65263	10/20/23 18:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65282	10/23/23 03:37	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	65238	10/20/23 14:46	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	65364	10/24/23 04:15	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: State 16 Battery

Job ID: 880-34715-1
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	T104704400-23-26	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
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34715-1
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: State 16 Battery

Job ID: 880-34715-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-34715-1	S-1 (0-0.5')	Solid	10/16/23 00:00	10/20/23 12:41
880-34715-2	S-1 (1')	Solid	10/16/23 00:00	10/20/23 12:41
880-34715-3	S-2 (0-0.5')	Solid	10/16/23 00:00	10/20/23 12:41
880-34715-4	S-2 (1')	Solid	10/16/23 00:00	10/20/23 12:41
880-34715-5	S-2 (2')	Solid	10/16/23 00:00	10/20/23 12:41
880-34715-6	S-2 (3')	Solid	10/16/23 00:00	10/20/23 12:41
880-34715-7	S-2 (4')	Solid	10/16/23 00:00	10/20/23 12:41
880-34715-8	S-3 (0-0.5')	Solid	10/16/23 00:00	10/20/23 12:41
880-34715-9	S-3 (1')	Solid	10/16/23 00:00	10/20/23 12:41
880-34715-10	S-3 (2')	Solid	10/16/23 00:00	10/20/23 12:41
880-34715-11	S-3 (3')	Solid	10/16/23 00:00	10/20/23 12:41
880-34715-12	S-3 (4')	Solid	10/16/23 00:00	10/20/23 12:41
880-34715-13	S-4 (0-0.5')	Solid	10/16/23 00:00	10/20/23 12:41
880-34715-14	S-4 (1')	Solid	10/16/23 00:00	10/20/23 12:41
880-34715-15	S-4 (2')	Solid	10/16/23 00:00	10/20/23 12:41
880-34715-16	S-4 (3')	Solid	10/16/23 00:00	10/20/23 12:41
880-34715-17	S-4 (4')	Solid	10/16/23 00:00	10/20/23 12:41
880-34715-18	S-5 (0-0.5')	Solid	10/16/23 00:00	10/20/23 12:41
880-34715-19	S-5 (1')	Solid	10/16/23 00:00	10/20/23 12:41
880-34715-20	S-5 (2')	Solid	10/16/23 00:00	10/20/23 12:41
880-34715-21	S-5 (3')	Solid	10/16/23 00:00	10/20/23 12:41
880-34715-22	S-5 (4')	Solid	10/16/23 00:00	10/20/23 12:41

880-34715 Chain of Custody

Project Manager:	Conner Moehring	Bill to: (if different)	Todd Wells
Company Name:	Carmona Resources	Company Name.	EOG Resources
Address.	310 W Wall St Ste 500	Address.	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Tx 79706
Phone:	(432) 813-6823	Email	Todd_Wells@eogresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ rownfields ☐ RC ☐ perfund ☐

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name:	State 16 Battery	Turn Around	
Project Number:	2137	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date	48 Hours
Sampler's Name:	JM		
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:	+.2°
Sample Custody Seals.	Yes No (N/A)	Temperature Reading:	2.4
Total Containers		Corrected Temperature.	2.6

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
S-1 (0-0.5')	10/16/2023		X		G	1		x	x	x
S-1 (1.0')	10/16/2023		X		G	1		x	x	x
S-2 (0-0.5')	10/16/2023		X		G	1		x	x	x
S-2 (1')	10/16/2023		X		G	1		x	x	x
S-2 (2')	10/16/2023		X		G	1		x	x	x
S-2 (3')	10/16/2023		X		G	1		x	x	x
S-2 (4')	10/16/2023		X		G	1		x	x	x
S-3 (0-0.5')	10/16/2023		X		G	1		x	x	x
S-3 (1')	10/16/2023		X		G	1		x	x	x
S-3 (2')	10/16/2023		X		G	1		x	x	x

ANALYSIS REQUEST

Preservative Codes

None: NO DI Water: H_2O

Cool: Cool MeOH: Me

HCL: HC HNO_3: HN

H_2S0_4: H_2 NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Comments

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com and Devin Dominguez / Ddominguez@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	10/20/23 1241		

Work Order No: 34715

Project Manager	Conner Moehring	Bill to: (if different)	Todd Wells
Company Name:	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Tx 79706
Phone:	(432) 813-6823 Email		Todd_Wells@eogresources.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:	State 16 Battery	Turn Around		Pres. Code	
Project Number	2124	☐ Routine	☑ Rush		
Project Location	Lea County, New Mexico	Due Date:	48 Hours		
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

Parameters: BTEX 8021B; TPH 8015M (GRO + DRO + MRO); Chloride 300.0

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
S-3 (3')	10/16/2023		X		G	1	x	x	x
S-3 (4')	10/16/2023		X		G	1	x	x	x
S-4 (0-0.5')	10/16/2023		X		G	1	x	x	x
S-4 (1')	10/16/2023		X		G	1	x	x	x
S-4 (2')	10/16/2023		X		G	1	x	x	x
S-4 (3')	10/16/2023		X		G	1	x	x	x
S-4 (4')	10/16/2023		X		G	1	x	x	x
S-5 (0-0.5')	10/16/2023		X		G	1	x	x	x
S-5 (1')	10/16/2023		X		G	1	x	x	x
S-5 (2')	10/16/2023		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

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com and Devin Dominguez / Ddominguez@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	10/20/23 1241		

Loc: 880

Work Order No 34715

Project Manager	Conner Moehring	Bill to: (if different)	Todd Wells
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Tx 79706
Phone:	(432) 813-6823 Email	Email	Todd_Wells@eogresources.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:	State 16 Battery	Turn Around			
Project Number	2124	☐ Routine	☑ Rush		
Project Location	Lea County, New Mexico	Due Date:	48 Hours		
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:		

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
S-5 (3')	10/16/2023		X		G	1		x	x	x
S-5 (4')	10/16/2023		X		G	1		x	x	x

ANALYSIS REQUEST — Parameters

Preservative Codes

None: NO DI Water: H_2O

Cool Cool MeOH Me

HCL HC HNO_3 HN

H_2S0_4. H_2 NaOH Na

H_3PO_4. HP

$NaHSO_4$. NABIS

$Na_2S_2O_3$. $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid: SAPC

Sample Comments

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com and Devin Dominguez / Ddominguez@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Conner Moehring	10/20/23 1241		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-34715-1
SDG Number: Lea County, New Mexico

Login Number: 34715
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 10/23/2023 10:23:33 PM

JOB DESCRIPTION

State 16 Battery
SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-34714-1

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
10/23/2023 10:23:33 PM

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

Client: Carmona Resources
Project/Site: State 16 Battery

Laboratory Job ID: 880-34714-1
SDG: Lea County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34714-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, 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: State 16 Battery

Job ID: 880-34714-1
SDG: Lea County, New Mexico

Job ID: 880-34714-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-34714-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 10/20/2023 12:41 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 2.6°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-34714-1), H-2 (0-0.5') (880-34714-2), H-3 (0-0.5') (880-34714-3), H-4 (0-0.5') (880-34714-4), H-5 (0-0.5') (880-34714-5), H-6 (0-0.5') (880-34714-6), H-7 (0-0.5') (880-34714-7) and H-8 (0-0.5') (880-34714-8).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: H-1 (0-0.5') (880-34714-1), H-3 (0-0.5') (880-34714-3), H-4 (0-0.5') (880-34714-4), H-6 (0-0.5') (880-34714-6) and (LCSD 880-65233/2-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The following sample was diluted due to the nature of the sample matrix: (880-34714-A-1-B MSD). Because of this dilution, the surrogate spike and matrix spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-34714-A-1-A MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-65136 recovered above the upper control limit for m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-65136/35).

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

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-65280 and analytical batch 880-65285 was outside the upper control limits.

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-65237 and analytical batch 880-65350 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.

Case Narrative

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34714-1
SDG: Lea County, New Mexico

Job ID: 880-34714-1 (Continued)

Laboratory: Eurofins Midland (Continued)

Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34714-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-34714-1
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F2 F1	0.00200		mg/Kg		10/20/23 14:10	10/21/23 09:24	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		10/20/23 14:10	10/21/23 09:24	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		10/20/23 14:10	10/21/23 09:24	1
m-Xylene & p-Xylene	<0.00401	U F1	0.00401		mg/Kg		10/20/23 14:10	10/21/23 09:24	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		10/20/23 14:10	10/21/23 09:24	1
Xylenes, Total	<0.00401	U F1	0.00401		mg/Kg		10/20/23 14:10	10/21/23 09:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*10/20/23 14:10*	*10/21/23 09:24*	*1*
1,4-Difluorobenzene (Surr)	*70*		*70 - 130*	*10/20/23 14:10*	*10/21/23 09:24*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/21/23 09:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**55.1**		49.5		mg/Kg			10/22/23 21:10	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	<49.5	U	49.5		mg/Kg		10/21/23 16:22	10/22/23 21:10	1
Diesel Range Organics (Over C10-C28)	**55.1**		49.5		mg/Kg		10/21/23 16:22	10/22/23 21:10	1
OII Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		10/21/23 16:22	10/22/23 21:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*10/21/23 16:22*	*10/22/23 21:10*	*1*
o-Terphenyl	*114*		*70 - 130*	*10/21/23 16:22*	*10/22/23 21:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**441**	**F1**	5.05		mg/Kg			10/23/23 09:01	1

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

Lab Sample ID: 880-34714-2
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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		10/20/23 14:10	10/21/23 09:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:10	10/21/23 09:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:10	10/21/23 09:45	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/20/23 14:10	10/21/23 09:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:10	10/21/23 09:45	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/20/23 14:10	10/21/23 09:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*10/20/23 14:10*	*10/21/23 09:45*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*10/20/23 14:10*	*10/21/23 09:45*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34714-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-34714-2
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/21/23 09:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**425**		49.6		mg/Kg			10/23/23 03:37	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	<49.6	U	49.6		mg/Kg		10/21/23 16:22	10/23/23 03:37	1
Diesel Range Organics (Over C10-C28)	**369**		49.6		mg/Kg		10/21/23 16:22	10/23/23 03:37	1
Oil Range Organics (Over C28-C36)	**55.9**		49.6		mg/Kg		10/21/23 16:22	10/23/23 03:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*10/21/23 16:22*	*10/23/23 03:37*	*1*
o-Terphenyl	*110*		*70 - 130*	*10/21/23 16:22*	*10/23/23 03:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**50.8**		5.04		mg/Kg			10/23/23 09:21	1

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

Lab Sample ID: 880-34714-3
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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		10/20/23 14:10	10/21/23 10:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:10	10/21/23 10:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:10	10/21/23 10:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/20/23 14:10	10/21/23 10:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:10	10/21/23 10:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/20/23 14:10	10/21/23 10:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*10/20/23 14:10*	*10/21/23 10:05*	*1*
1,4-Difluorobenzene (Surr)	*64*	*S1-*	*70 - 130*	*10/20/23 14:10*	*10/21/23 10:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/21/23 10:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1630**		49.9		mg/Kg			10/23/23 02:54	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		10/21/23 16:22	10/23/23 02:54	1

Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34714-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-34714-3
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	1450		49.9		mg/Kg		10/21/23 16:22	10/23/23 02:54	1
Oll Range Organics (Over C28-C36)	176		49.9		mg/Kg		10/21/23 16:22	10/23/23 02:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*10/21/23 16:22*	*10/23/23 02:54*	*1*
o-Terphenyl	*114*		*70 - 130*	*10/21/23 16:22*	*10/23/23 02:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.2		5.00		mg/Kg			10/23/23 09:28	1

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

Lab Sample ID: 880-34714-4
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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		10/20/23 14:10	10/21/23 10:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:10	10/21/23 10:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:10	10/21/23 10:26	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/20/23 14:10	10/21/23 10:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:10	10/21/23 10:26	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/20/23 14:10	10/21/23 10:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*10/20/23 14:10*	*10/21/23 10:26*	*1*
1,4-Difluorobenzene (Surr)	*69*	*S1-*	*70 - 130*	*10/20/23 14:10*	*10/21/23 10:26*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/21/23 10:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			10/22/23 22:18	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	<50.3	U	50.3		mg/Kg		10/21/23 16:22	10/22/23 22:18	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		10/21/23 16:22	10/22/23 22:18	1
Oll Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		10/21/23 16:22	10/22/23 22:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*10/21/23 16:22*	*10/22/23 22:18*	*1*
o-Terphenyl	*80*		*70 - 130*	*10/21/23 16:22*	*10/22/23 22:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31.8		5.03		mg/Kg			10/23/23 09:35	1

Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34714-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-34714-5
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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		10/20/23 14:10	10/21/23 10:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:10	10/21/23 10:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:10	10/21/23 10:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/20/23 14:10	10/21/23 10:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:10	10/21/23 10:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/20/23 14:10	10/21/23 10:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*10/20/23 14:10*	*10/21/23 10:46*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*10/20/23 14:10*	*10/21/23 10:46*	*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			10/21/23 10:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			10/22/23 22:39	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	<49.6	U	49.6		mg/Kg		10/21/23 16:22	10/22/23 22:39	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		10/21/23 16:22	10/22/23 22:39	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		10/21/23 16:22	10/22/23 22:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*10/21/23 16:22*	*10/22/23 22:39*	*1*
o-Terphenyl	*92*		*70 - 130*	*10/21/23 16:22*	*10/22/23 22:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**28.1**		5.04		mg/Kg			10/23/23 09:41	1

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

Lab Sample ID: 880-34714-6
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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		10/20/23 14:10	10/21/23 11:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:10	10/21/23 11:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:10	10/21/23 11:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/20/23 14:10	10/21/23 11:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:10	10/21/23 11:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/20/23 14:10	10/21/23 11:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*10/20/23 14:10*	*10/21/23 11:07*	*1*
1,4-Difluorobenzene (Surr)	*66*	*S1-*	*70 - 130*	*10/20/23 14:10*	*10/21/23 11:07*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34714-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-34714-6
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/21/23 11:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**360**		50.2		mg/Kg			10/23/23 03:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		10/21/23 16:22	10/23/23 03:15	1
Diesel Range Organics (Over C10-C28)	**301**		50.2		mg/Kg		10/21/23 16:22	10/23/23 03:15	1
Oil Range Organics (Over C28-C36)	**59.2**		50.2		mg/Kg		10/21/23 16:22	10/23/23 03:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*10/21/23 16:22*	*10/23/23 03:15*	*1*
o-Terphenyl	*108*		*70 - 130*	*10/21/23 16:22*	*10/23/23 03:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.5**		5.05		mg/Kg			10/23/23 10:01	1

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

Lab Sample ID: 880-34714-7
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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		10/20/23 14:10	10/21/23 11:28	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/20/23 14:10	10/21/23 11:28	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/20/23 14:10	10/21/23 11:28	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/20/23 14:10	10/21/23 11:28	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/20/23 14:10	10/21/23 11:28	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/20/23 14:10	10/21/23 11:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*10/20/23 14:10*	*10/21/23 11:28*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*10/20/23 14:10*	*10/21/23 11:28*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/21/23 11:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**225**		50.5		mg/Kg			10/23/23 03:58	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		10/21/23 16:22	10/23/23 03:58	1

Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34714-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-34714-7
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	**225**		50.5		mg/Kg		10/21/23 16:22	10/23/23 03:58	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		10/21/23 16:22	10/23/23 03:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*10/21/23 16:22*	*10/23/23 03:58*	*1*
o-Terphenyl	*108*		*70 - 130*	*10/21/23 16:22*	*10/23/23 03:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**53.3**		5.02		mg/Kg			10/23/23 10:08	1

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

Lab Sample ID: 880-34714-8
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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		10/20/23 14:10	10/21/23 11:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:10	10/21/23 11:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:10	10/21/23 11:48	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/20/23 14:10	10/21/23 11:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:10	10/21/23 11:48	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/20/23 14:10	10/21/23 11:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*10/20/23 14:10*	*10/21/23 11:48*	*1*
1,4-Difluorobenzene (Surr)	*70*		*70 - 130*	*10/20/23 14:10*	*10/21/23 11:48*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/21/23 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/22/23 23:00	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	<49.7	U	49.7		mg/Kg		10/21/23 16:22	10/22/23 23:00	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/21/23 16:22	10/22/23 23:00	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/21/23 16:22	10/22/23 23:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*10/21/23 16:22*	*10/22/23 23:00*	*1*
o-Terphenyl	*105*		*70 - 130*	*10/21/23 16:22*	*10/22/23 23:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**50.5**		5.03		mg/Kg			10/23/23 10:15	1

Surrogate Summary

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34714-1
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)
880-34714-1	H-1 (0-0.5')	90	70
880-34714-1 MS	H-1 (0-0.5')	133 S1+	99
880-34714-1 MSD	H-1 (0-0.5')	79	92
880-34714-2	H-2 (0-0.5')	97	71
880-34714-3	H-3 (0-0.5')	87	64 S1-
880-34714-4	H-4 (0-0.5')	98	69 S1-
880-34714-5	H-5 (0-0.5')	90	88
880-34714-6	H-6 (0-0.5')	92	66 S1-
880-34714-7	H-7 (0-0.5')	92	76
880-34714-8	H-8 (0-0.5')	90	70
LCS 880-65233/1-A	Lab Control Sample	130	83
LCSD 880-65233/2-A	Lab Control Sample Dup	141 S1+	103
MB 880-65233/5-A	Method Blank	89	94
MB 880-65234/5-A	Method Blank	86	73

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)
880-34714-1	H-1 (0-0.5')	104	114
880-34714-1 MS	H-1 (0-0.5')	100	102
880-34714-1 MSD	H-1 (0-0.5')	105	104
880-34714-2	H-2 (0-0.5')	106	110
880-34714-3	H-3 (0-0.5')	111	114
880-34714-4	H-4 (0-0.5')	81	80
880-34714-5	H-5 (0-0.5')	87	92
880-34714-6	H-6 (0-0.5')	104	108
880-34714-7	H-7 (0-0.5')	100	108
880-34714-8	H-8 (0-0.5')	98	105
LCS 880-65280/2-A	Lab Control Sample	92	102
LCSD 880-65280/3-A	Lab Control Sample Dup	115	127
MB 880-65280/1-A	Method Blank	149 S1+	170 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34714-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-65233/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65136 — **Prep Batch: 65233**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:10	10/21/23 09:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:10	10/21/23 09:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:10	10/21/23 09:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/20/23 14:10	10/21/23 09:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:10	10/21/23 09:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/20/23 14:10	10/21/23 09:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*10/20/23 14:10*	*10/21/23 09:03*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*10/20/23 14:10*	*10/21/23 09:03*	*1*

Lab Sample ID: LCS 880-65233/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65136 — **Prep Batch: 65233**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08263		mg/Kg		83	70 - 130		
Toluene			0.100	0.09027		mg/Kg		90	70 - 130		
Ethylbenzene			0.100	0.09772		mg/Kg		98	70 - 130		
m-Xylene & p-Xylene			0.200	0.2114		mg/Kg		106	70 - 130		
o-Xylene			0.100	0.1081		mg/Kg		108	70 - 130		

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

Lab Sample ID: LCSD 880-65233/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65136 — **Prep Batch: 65233**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09465		mg/Kg		95	70 - 130	14	35
Toluene			0.100	0.09797		mg/Kg		98	70 - 130	8	35
Ethylbenzene			0.100	0.1081		mg/Kg		108	70 - 130	10	35
m-Xylene & p-Xylene			0.200	0.2279		mg/Kg		114	70 - 130	8	35
o-Xylene			0.100	0.1125		mg/Kg		112	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*141*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 880-34714-1 MS — **Client Sample ID: H-1 (0-0.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65136 — **Prep Batch: 65233**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U F2 F1	0.0996	0.08891		mg/Kg		89	70 - 130		
Toluene	<0.00200	U F1	0.0996	0.08882		mg/Kg		89	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34714-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-34714-1 MS
Matrix: Solid
Analysis Batch: 65136

Client Sample ID: H-1 (0-0.5')
Prep Type: Total/NA
Prep Batch: 65233

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U F1	0.0996	0.09798		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	<0.00401	U F1	0.199	0.2078		mg/Kg		104	70 - 130
o-Xylene	<0.00200	U F1	0.0996	0.1022		mg/Kg		103	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 880-34714-1 MSD
Matrix: Solid
Analysis Batch: 65136

Client Sample ID: H-1 (0-0.5')
Prep Type: Total/NA
Prep Batch: 65233

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F2 F1	0.0990	<0.00198	U F2 F1	mg/Kg		0.5	70 - 130	198	35
Toluene	<0.00200	U F1	0.0990	<0.00198	U F1	mg/Kg		0	70 - 130	NC	35
Ethylbenzene	<0.00200	U F1	0.0990	<0.00198	U F1	mg/Kg		0	70 - 130	NC	35
m-Xylene & p-Xylene	<0.00401	U F1	0.198	<0.00396	U F1	mg/Kg		0	70 - 130	NC	35
o-Xylene	<0.00200	U F1	0.0990	<0.00198	U F1	mg/Kg		0	70 - 130	NC	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: MB 880-65234/5-A
Matrix: Solid
Analysis Batch: 65136

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65234

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:23	10/20/23 22:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:23	10/20/23 22:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:23	10/20/23 22:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/20/23 14:23	10/20/23 22:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:23	10/20/23 22:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/20/23 14:23	10/20/23 22:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*10/20/23 14:23*	*10/20/23 22:30*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*10/20/23 14:23*	*10/20/23 22:30*	*1*

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

Lab Sample ID: MB 880-65280/1-A
Matrix: Solid
Analysis Batch: 65285

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65280

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		10/21/23 16:22	10/22/23 20:03	1

QC Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34714-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-65280/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65285 — **Prep Batch: 65280**

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		10/21/23 16:22	10/22/23 20:03	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/21/23 16:22	10/22/23 20:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*149*	*S1+*	*70 - 130*	*10/21/23 16:22*	*10/22/23 20:03*	*1*
o-Terphenyl	*170*	*S1+*	*70 - 130*	*10/21/23 16:22*	*10/22/23 20:03*	*1*

Lab Sample ID: LCS 880-65280/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65285 — **Prep Batch: 65280**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	855.6		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	1000	966.5		mg/Kg		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*92*		*70 - 130*
o-Terphenyl	*102*		*70 - 130*

Lab Sample ID: LCSD 880-65280/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65285 — **Prep Batch: 65280**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1019		mg/Kg		102	70 - 130	17	20
Diesel Range Organics (Over C10-C28)	1000	1125		mg/Kg		113	70 - 130	15	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*115*		*70 - 130*
o-Terphenyl	*127*		*70 - 130*

Lab Sample ID: 880-34714-1 MS — **Client Sample ID: H-1 (0-0.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65285 — **Prep Batch: 65280**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	1010	799.1		mg/Kg		76	70 - 130
Diesel Range Organics (Over C10-C28)	55.1		1010	877.9		mg/Kg		82	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*100*		*70 - 130*
o-Terphenyl	*102*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34714-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-34714-1 MSD — **Client Sample ID: H-1 (0-0.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65285 — **Prep Batch: 65280**

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	<49.5	U	1010	863.6		mg/Kg		83	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	55.1		1010	907.4		mg/Kg		85	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*104*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-65237/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 65350

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/23/23 08:41	1

Lab Sample ID: LCS 880-65237/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 65350

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	234.8		mg/Kg		94	90 - 110

Lab Sample ID: LCSD 880-65237/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 65350

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	224.6		mg/Kg		90	90 - 110	4	20

Lab Sample ID: 880-34714-1 MS — **Client Sample ID: H-1 (0-0.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 65350

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	441	F1	253	622.4	F1	mg/Kg		72	90 - 110

Lab Sample ID: 880-34714-1 MSD — **Client Sample ID: H-1 (0-0.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 65350

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	441	F1	253	616.9	F1	mg/Kg		70	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34714-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 65136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34714-1	H-1 (0-0.5')	Total/NA	Solid	8021B	65233
880-34714-2	H-2 (0-0.5')	Total/NA	Solid	8021B	65233
880-34714-3	H-3 (0-0.5')	Total/NA	Solid	8021B	65233
880-34714-4	H-4 (0-0.5')	Total/NA	Solid	8021B	65233
880-34714-5	H-5 (0-0.5')	Total/NA	Solid	8021B	65233
880-34714-6	H-6 (0-0.5')	Total/NA	Solid	8021B	65233
880-34714-7	H-7 (0-0.5')	Total/NA	Solid	8021B	65233
880-34714-8	H-8 (0-0.5')	Total/NA	Solid	8021B	65233
MB 880-65233/5-A	Method Blank	Total/NA	Solid	8021B	65233
MB 880-65234/5-A	Method Blank	Total/NA	Solid	8021B	65234
LCS 880-65233/1-A	Lab Control Sample	Total/NA	Solid	8021B	65233
LCSD 880-65233/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	65233
880-34714-1 MS	H-1 (0-0.5')	Total/NA	Solid	8021B	65233
880-34714-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8021B	65233

Prep Batch: 65233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34714-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-34714-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-34714-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-34714-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-34714-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-34714-6	H-6 (0-0.5')	Total/NA	Solid	5035	
880-34714-7	H-7 (0-0.5')	Total/NA	Solid	5035	
880-34714-8	H-8 (0-0.5')	Total/NA	Solid	5035	
MB 880-65233/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-65233/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-65233/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-34714-1 MS	H-1 (0-0.5')	Total/NA	Solid	5035	
880-34714-1 MSD	H-1 (0-0.5')	Total/NA	Solid	5035	

Prep Batch: 65234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-65234/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 65417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34714-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-34714-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-34714-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-34714-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-34714-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-34714-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-34714-7	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	
880-34714-8	H-8 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 65280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34714-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34714-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 65280 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34714-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-34714-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-34714-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-34714-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-34714-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-34714-7	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-34714-8	H-8 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-65280/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-65280/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-65280/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-34714-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-34714-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 65285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34714-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	65280
880-34714-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	65280
880-34714-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	65280
880-34714-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	65280
880-34714-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	65280
880-34714-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	65280
880-34714-7	H-7 (0-0.5')	Total/NA	Solid	8015B NM	65280
880-34714-8	H-8 (0-0.5')	Total/NA	Solid	8015B NM	65280
MB 880-65280/1-A	Method Blank	Total/NA	Solid	8015B NM	65280
LCS 880-65280/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	65280
LCSD 880-65280/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	65280
880-34714-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015B NM	65280
880-34714-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015B NM	65280

Analysis Batch: 65405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34714-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-34714-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-34714-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-34714-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-34714-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-34714-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-34714-7	H-7 (0-0.5')	Total/NA	Solid	8015 NM	
880-34714-8	H-8 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 65237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34714-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-34714-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-34714-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-34714-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-34714-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-34714-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-34714-7	H-7 (0-0.5')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34714-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 65237 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34714-8	H-8 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-65237/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-65237/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-65237/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-34714-1 MS	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-34714-1 MSD	H-1 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 65350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34714-1	H-1 (0-0.5')	Soluble	Solid	300.0	65237
880-34714-2	H-2 (0-0.5')	Soluble	Solid	300.0	65237
880-34714-3	H-3 (0-0.5')	Soluble	Solid	300.0	65237
880-34714-4	H-4 (0-0.5')	Soluble	Solid	300.0	65237
880-34714-5	H-5 (0-0.5')	Soluble	Solid	300.0	65237
880-34714-6	H-6 (0-0.5')	Soluble	Solid	300.0	65237
880-34714-7	H-7 (0-0.5')	Soluble	Solid	300.0	65237
880-34714-8	H-8 (0-0.5')	Soluble	Solid	300.0	65237
MB 880-65237/1-A	Method Blank	Soluble	Solid	300.0	65237
LCS 880-65237/2-A	Lab Control Sample	Soluble	Solid	300.0	65237
LCSD 880-65237/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	65237
880-34714-1 MS	H-1 (0-0.5')	Soluble	Solid	300.0	65237
880-34714-1 MSD	H-1 (0-0.5')	Soluble	Solid	300.0	65237

Lab Chronicle

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34714-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-34714-1
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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	65233	10/20/23 14:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65136	10/21/23 09:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65417	10/21/23 09:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			65405	10/22/23 21:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	65280	10/21/23 16:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65285	10/22/23 21:10	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	65237	10/20/23 14:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	65350	10/23/23 09:01	CH	EET MID

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

Lab Sample ID: 880-34714-2
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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	65233	10/20/23 14:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65136	10/21/23 09:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65417	10/21/23 09:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			65405	10/23/23 03:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	65280	10/21/23 16:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65285	10/23/23 03:37	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	65237	10/20/23 14:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	65350	10/23/23 09:21	CH	EET MID

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

Lab Sample ID: 880-34714-3
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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	65233	10/20/23 14:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65136	10/21/23 10:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65417	10/21/23 10:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			65405	10/23/23 02:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	65280	10/21/23 16:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65285	10/23/23 02:54	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	65237	10/20/23 14:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	65350	10/23/23 09:28	CH	EET MID

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

Lab Sample ID: 880-34714-4
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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	65233	10/20/23 14:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65136	10/21/23 10:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65417	10/21/23 10:26	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34714-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-34714-4
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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			65405	10/22/23 22:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	65280	10/21/23 16:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65285	10/22/23 22:18	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	65237	10/20/23 14:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	65350	10/23/23 09:35	CH	EET MID

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

Lab Sample ID: 880-34714-5
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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	65233	10/20/23 14:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65136	10/21/23 10:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65417	10/21/23 10:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			65405	10/22/23 22:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	65280	10/21/23 16:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65285	10/22/23 22:39	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	65237	10/20/23 14:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	65350	10/23/23 09:41	CH	EET MID

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

Lab Sample ID: 880-34714-6
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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	65233	10/20/23 14:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65136	10/21/23 11:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65417	10/21/23 11:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			65405	10/23/23 03:15	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	65280	10/21/23 16:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65285	10/23/23 03:15	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	65237	10/20/23 14:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	65350	10/23/23 10:01	CH	EET MID

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

Lab Sample ID: 880-34714-7
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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	65233	10/20/23 14:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65136	10/21/23 11:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65417	10/21/23 11:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			65405	10/23/23 03:58	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	65280	10/21/23 16:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65285	10/23/23 03:58	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34714-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-34714-7
Date Collected: 10/16/23 00:00
Matrix: Solid
Date Received: 10/20/23 12:41

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	65237	10/20/23 14:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	65350	10/23/23 10:08	CH	EET MID

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

Lab Sample ID: 880-34714-8
Date Collected: 10/16/23 00:00
Matrix: Solid
Date Received: 10/20/23 12:41

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	65233	10/20/23 14:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65136	10/21/23 11:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65417	10/21/23 11:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			65405	10/22/23 23:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	65280	10/21/23 16:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65285	10/22/23 23:00	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	65237	10/20/23 14:44	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	65350	10/23/23 10:15	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: State 16 Battery

Job ID: 880-34714-1
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	T104704400-23-26	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
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-34714-1
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: State 16 Battery

Job ID: 880-34714-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-34714-1	H-1 (0-0.5')	Solid	10/16/23 00:00	10/20/23 12:41
880-34714-2	H-2 (0-0.5')	Solid	10/16/23 00:00	10/20/23 12:41
880-34714-3	H-3 (0-0.5')	Solid	10/16/23 00:00	10/20/23 12:41
880-34714-4	H-4 (0-0.5')	Solid	10/16/23 00:00	10/20/23 12:41
880-34714-5	H-5 (0-0.5')	Solid	10/16/23 00:00	10/20/23 12:41
880-34714-6	H-6 (0-0.5')	Solid	10/16/23 00:00	10/20/23 12:41
880-34714-7	H-7 (0-0.5')	Solid	10/16/23 00:00	10/20/23 12:41
880-34714-8	H-8 (0-0.5')	Solid	10/16/23 00:00	10/20/23 12:41

Project Manager:	Conner Moehring	Bill to: (if different)	Todd Wells
Company Name:	Carmona Resources	Company Name.	EOG Resources
Address.	310 W Wall St Ste 500	Address.	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Tx 79706
Phone:	(432) 813-6823 Email		Todd_Wells@eogresources.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:	State 16 Battery	Turn Around	
Project Number:	2124	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date	48 Hours
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:	+1.2
Sample Custody Seals.	Yes No N/A	Temperature Reading:	2.4
Total Containers.		Corrected Temperature:	2.6

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
H-1 (0-0.5')	10/16/2023		X		G	1		x	x	x	
H-2 (0-0.5')	10/16/2023		X		G	1		x	x	x	
H-3 (0-0.5')	10/16/2023		X		G	1		x	x	x	
H-4 (0-0.5')	10/16/2023		X		G	1		x	x	x	
H-5 (0-0.5')	10/16/2023		X		G	1		x	x	x	
H-6 (0-0.5')	10/16/2023		X		G	1		x	x	x	
H-7 (0-0.5')	10/16/2023		X		G	1		x	x	x	
H-8 (0-0.5')	10/16/2023		X		G	1		x	x	x	

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com and Devin Dominguez / Ddominguez@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	10/20/23 1241		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-34714-1
SDG Number: Lea County, New Mexico

Login Number: 34714
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 11/16/2023 11:09:27 AM

JOB DESCRIPTION

State 16 Battery
Lea County NM

JOB NUMBER

880-35673-1

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
11/16/2023 11:09:27 AM

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

Client: Carmona Resources
Project/Site: State 16 Battery

Laboratory Job ID: 880-35673-1
SDG: Lea County NM

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

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

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

Job ID: 880-35673-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-35673-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 11/13/2023 11:31 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 -10.8°C

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: T-1 (1.5') (880-35673-2), T-3 (2.0') (880-35673-15), T-3 (3.0') (880-35673-16) and T-3 (5.0') (880-35673-18). 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: T-2 (3.0') (880-35673-10) and T-3 (4.0') (880-35673-17). 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 and precision for preparation batch 880-66796 and analytical batch 880-66807 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 matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-66874 and analytical batch 880-66807 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: The laboratory control sample duplicate (LCSD) for preparation batch 880-66874 and analytical batch 880-66807 recovered outside control limits for the following analytes: m-Xylene & p-Xylene. Since only an acceptable LCS is required per the method, the data have been qualified and reported.

Method 8021B: The following samples were diluted due to the nature of the sample matrix: T-2 (2.0') (880-35673-9), T-2 (3.0') (880-35673-10), T-2 (4.0') (880-35673-11), T-3 (3.0') (880-35673-16) and T-3 (4.0') (880-35673-17). Elevated reporting limits (RLs) are provided.

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

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-66932 and analytical batch 880-66905 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-66932/2-A) and (LCSD 880-66932/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-66932 and analytical batch 880-66905 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been

Case Narrative

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

Job ID: 880-35673-1 (Continued)

Laboratory: Eurofins Midland (Continued)

reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-66905 recovered below the lower control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-66905/58).

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-66929 and analytical batch 880-66908 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-2 (3.0') (880-35673-10), T-3 (1.5') (880-35673-14) and T-3 (2.0') (880-35673-15). 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: (LCS 880-66929/2-A) and (LCSD 880-66929/3-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 for preparation batch 880-66915 and analytical batch 880-67011 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.

The associated samples are: T-3 (4.0') (880-35673-17), T-3 (5.0') (880-35673-18), (880-35673-A-17-G MS) and (880-35673-A-17-E MSD).

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: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

Client Sample ID: T-1 (0-1')

Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

Lab Sample ID: 880-35673-1

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		11/13/23 11:52	11/13/23 20:34	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/13/23 11:52	11/13/23 20:34	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/13/23 11:52	11/13/23 20:34	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/13/23 11:52	11/13/23 20:34	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/13/23 11:52	11/13/23 20:34	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/13/23 11:52	11/13/23 20:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*11/13/23 11:52*	*11/13/23 20:34*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*11/13/23 11:52*	*11/13/23 20:34*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/13/23 20:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**2340**		49.9		mg/Kg			11/15/23 05:06	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		11/14/23 09:28	11/15/23 05:06	1
Diesel Range Organics (Over C10-C28)	**2070**		49.9		mg/Kg		11/14/23 09:28	11/15/23 05:06	1
Oil Range Organics (Over C28-C36)	**268**		49.9		mg/Kg		11/14/23 09:28	11/15/23 05:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*11/14/23 09:28*	*11/15/23 05:06*	*1*
o-Terphenyl	*112*		*70 - 130*	*11/14/23 09:28*	*11/15/23 05:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**153**		5.04		mg/Kg			11/14/23 21:18	1

Client Sample ID: T-1 (1.5')

Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

Lab Sample ID: 880-35673-2

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		11/13/23 11:52	11/13/23 20:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/13/23 11:52	11/13/23 20:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/13/23 11:52	11/13/23 20:55	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/13/23 11:52	11/13/23 20:55	1
o-Xylene	**0.00212**		0.00200		mg/Kg		11/13/23 11:52	11/13/23 20:55	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/13/23 11:52	11/13/23 20:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*69*	*S1-*	*70 - 130*	*11/13/23 11:52*	*11/13/23 20:55*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*11/13/23 11:52*	*11/13/23 20:55*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-35673-2
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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			11/13/23 20:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1460**		49.6		mg/Kg			11/15/23 05:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		11/14/23 09:28	11/15/23 05:29	1
Diesel Range Organics (Over C10-C28)	**1270**		49.6		mg/Kg		11/14/23 09:28	11/15/23 05:29	1
Oil Range Organics (Over C28-C36)	**187**		49.6		mg/Kg		11/14/23 09:28	11/15/23 05:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*11/14/23 09:28*	*11/15/23 05:29*	*1*
o-Terphenyl	*110*		*70 - 130*	*11/14/23 09:28*	*11/15/23 05:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**43.8**		4.96		mg/Kg			11/14/23 21:35	1

Client Sample ID: T-1 (2.0')

Lab Sample ID: 880-35673-3
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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		11/13/23 11:52	11/13/23 21:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/13/23 11:52	11/13/23 21:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/13/23 11:52	11/13/23 21:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/13/23 11:52	11/13/23 21:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/13/23 11:52	11/13/23 21:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/13/23 11:52	11/13/23 21:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*11/13/23 11:52*	*11/13/23 21:16*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*11/13/23 11:52*	*11/13/23 21:16*	*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			11/13/23 21:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1130**		50.3		mg/Kg			11/15/23 05:52	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	<50.3	U	50.3		mg/Kg		11/14/23 09:28	11/15/23 05:52	1

Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

Client Sample ID: T-1 (2.0')

Lab Sample ID: 880-35673-3
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	997		50.3		mg/Kg		11/14/23 09:28	11/15/23 05:52	1
Oil Range Organics (Over C28-C36)	135		50.3		mg/Kg		11/14/23 09:28	11/15/23 05:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*11/14/23 09:28*	*11/15/23 05:52*	*1*
o-Terphenyl	*107*		*70 - 130*	*11/14/23 09:28*	*11/15/23 05:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.2		5.05		mg/Kg			11/14/23 21:40	1

Client Sample ID: T-1 (3.0')

Lab Sample ID: 880-35673-4
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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		11/13/23 11:52	11/13/23 21:36	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/13/23 11:52	11/13/23 21:36	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/13/23 11:52	11/13/23 21:36	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/13/23 11:52	11/13/23 21:36	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/13/23 11:52	11/13/23 21:36	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/13/23 11:52	11/13/23 21:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*11/13/23 11:52*	*11/13/23 21:36*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*11/13/23 11:52*	*11/13/23 21:36*	*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			11/13/23 21:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1220		50.5		mg/Kg			11/15/23 06:14	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		11/14/23 09:28	11/15/23 06:14	1
Diesel Range Organics (Over C10-C28)	1080		50.5		mg/Kg		11/14/23 09:28	11/15/23 06:14	1
Oil Range Organics (Over C28-C36)	143		50.5		mg/Kg		11/14/23 09:28	11/15/23 06:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*11/14/23 09:28*	*11/15/23 06:14*	*1*
o-Terphenyl	*111*		*70 - 130*	*11/14/23 09:28*	*11/15/23 06:14*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

Client Sample ID: T-1 (3.0')

Lab Sample ID: 880-35673-4
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**72.3**		5.01		mg/Kg			11/14/23 21:46	1

Client Sample ID: T-1 (4.0')

Lab Sample ID: 880-35673-5
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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		11/13/23 11:52	11/13/23 21:57	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/13/23 11:52	11/13/23 21:57	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/13/23 11:52	11/13/23 21:57	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/13/23 11:52	11/13/23 21:57	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/13/23 11:52	11/13/23 21:57	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/13/23 11:52	11/13/23 21:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*11/13/23 11:52*	*11/13/23 21:57*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*11/13/23 11:52*	*11/13/23 21:57*	*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			11/13/23 21:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1660**		49.7		mg/Kg			11/15/23 06:37	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	<49.7	U	49.7		mg/Kg		11/14/23 09:28	11/15/23 06:37	1
Diesel Range Organics (Over C10-C28)	**1480**		49.7		mg/Kg		11/14/23 09:28	11/15/23 06:37	1
Oil Range Organics (Over C28-C36)	**180**		49.7		mg/Kg		11/14/23 09:28	11/15/23 06:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*11/14/23 09:28*	*11/15/23 06:37*	*1*
o-Terphenyl	*107*		*70 - 130*	*11/14/23 09:28*	*11/15/23 06:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**77.5**		5.03		mg/Kg			11/14/23 21:52	1

Client Sample ID: T-1 (5.0')

Lab Sample ID: 880-35673-6
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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		11/13/23 11:52	11/13/23 22:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/13/23 11:52	11/13/23 22:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/13/23 11:52	11/13/23 22:17	1

Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

Client Sample ID: T-1 (5.0')

Lab Sample ID: 880-35673-6
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/13/23 11:52	11/13/23 22:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/13/23 11:52	11/13/23 22:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/13/23 11:52	11/13/23 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*11/13/23 11:52*	*11/13/23 22:17*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*11/13/23 11:52*	*11/13/23 22:17*	*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			11/13/23 22:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/15/23 02:03	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	<49.7	U	49.7		mg/Kg		11/14/23 09:28	11/15/23 02:03	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/14/23 09:28	11/15/23 02:03	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/14/23 09:28	11/15/23 02:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*11/14/23 09:28*	*11/15/23 02:03*	*1*
o-Terphenyl	*112*		*70 - 130*	*11/14/23 09:28*	*11/15/23 02:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.62**		4.97		mg/Kg			11/14/23 21:58	1

Client Sample ID: T-2 (0-1')

Lab Sample ID: 880-35673-7
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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		11/13/23 11:52	11/13/23 22:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/13/23 11:52	11/13/23 22:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/13/23 11:52	11/13/23 22:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/13/23 11:52	11/13/23 22:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/13/23 11:52	11/13/23 22:38	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/13/23 11:52	11/13/23 22:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*11/13/23 11:52*	*11/13/23 22:38*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*11/13/23 11:52*	*11/13/23 22:38*	*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			11/13/23 22:38	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

Client Sample ID: T-2 (0-1')

Lab Sample ID: 880-35673-7
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**271**		49.9		mg/Kg			11/15/23 03:35	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		11/14/23 09:28	11/15/23 03:35	1
Diesel Range Organics (Over C10-C28)	**271**		49.9		mg/Kg		11/14/23 09:28	11/15/23 03:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/14/23 09:28	11/15/23 03:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*11/14/23 09:28*	*11/15/23 03:35*	*1*
o-Terphenyl	*113*		*70 - 130*	*11/14/23 09:28*	*11/15/23 03:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1440**		25.2		mg/Kg			11/14/23 22:03	5

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-35673-8
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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		11/13/23 11:52	11/13/23 22:59	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/13/23 11:52	11/13/23 22:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/13/23 11:52	11/13/23 22:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/13/23 11:52	11/13/23 22:59	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/13/23 11:52	11/13/23 22:59	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/13/23 11:52	11/13/23 22:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*11/13/23 11:52*	*11/13/23 22:59*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*11/13/23 11:52*	*11/13/23 22:59*	*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			11/13/23 22:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**929**		50.0		mg/Kg			11/15/23 07:00	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		11/14/23 09:28	11/15/23 07:00	1
Diesel Range Organics (Over C10-C28)	**814**		50.0		mg/Kg		11/14/23 09:28	11/15/23 07:00	1
Oil Range Organics (Over C28-C36)	**115**		50.0		mg/Kg		11/14/23 09:28	11/15/23 07:00	1

Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-35673-8
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	11/14/23 09:28	11/15/23 07:00	1
o-Terphenyl	109		70 - 130	11/14/23 09:28	11/15/23 07:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**127**		4.99		mg/Kg			11/14/23 22:20	1

Client Sample ID: T-2 (2.0')

Lab Sample ID: 880-35673-9
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0402	U	0.0402		mg/Kg		11/13/23 11:52	11/13/23 23:19	20
Toluene	<0.0402	U	0.0402		mg/Kg		11/13/23 11:52	11/13/23 23:19	20
Ethylbenzene	<0.0402	U	0.0402		mg/Kg		11/13/23 11:52	11/13/23 23:19	20
m-Xylene & p-Xylene	<0.0803	U	0.0803		mg/Kg		11/13/23 11:52	11/13/23 23:19	20
o-Xylene	<0.0402	U	0.0402		mg/Kg		11/13/23 11:52	11/13/23 23:19	20
Xylenes, Total	<0.0803	U	0.0803		mg/Kg		11/13/23 11:52	11/13/23 23:19	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	11/13/23 11:52	11/13/23 23:19	20
1,4-Difluorobenzene (Surr)	102		70 - 130	11/13/23 11:52	11/13/23 23:19	20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0803	U	0.0803		mg/Kg			11/13/23 23:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1100**		50.2		mg/Kg			11/15/23 07:23	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	<50.2	U	50.2		mg/Kg		11/14/23 09:28	11/15/23 07:23	1
Diesel Range Organics (Over C10-C28)	**958**		50.2		mg/Kg		11/14/23 09:28	11/15/23 07:23	1
Oil Range Organics (Over C28-C36)	**146**		50.2		mg/Kg		11/14/23 09:28	11/15/23 07:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130	11/14/23 09:28	11/15/23 07:23	1
o-Terphenyl	123		70 - 130	11/14/23 09:28	11/15/23 07:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**195**		4.96		mg/Kg			11/14/23 22:26	1

Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

Client Sample ID: T-2 (3.0')

Lab Sample ID: 880-35673-10
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0996	U	0.0996		mg/Kg		11/13/23 14:41	11/14/23 03:48	50
Toluene	<0.0996	U	0.0996		mg/Kg		11/13/23 14:41	11/14/23 03:48	50
Ethylbenzene	**1.58**		0.0996		mg/Kg		11/13/23 14:41	11/14/23 03:48	50
m-Xylene & p-Xylene	**3.61**	***+**	0.199		mg/Kg		11/13/23 14:41	11/14/23 03:48	50
o-Xylene	**0.211**		0.0996		mg/Kg		11/13/23 14:41	11/14/23 03:48	50
Xylenes, Total	**3.82**		0.199		mg/Kg		11/13/23 14:41	11/14/23 03:48	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*215*	*S1+*	*70 - 130*	*11/13/23 14:41*	*11/14/23 03:48*	*50*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/13/23 14:41*	*11/14/23 03:48*	*50*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**5.40**		0.199		mg/Kg			11/14/23 03:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**18200**		504		mg/Kg			11/15/23 07:46	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	**887**		504		mg/Kg		11/14/23 09:28	11/15/23 07:46	10
Diesel Range Organics (Over C10-C28)	**16100**		504		mg/Kg		11/14/23 09:28	11/15/23 07:46	10
Oil Range Organics (Over C28-C36)	**1230**		504		mg/Kg		11/14/23 09:28	11/15/23 07:46	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*247*	*S1+*	*70 - 130*	*11/14/23 09:28*	*11/15/23 07:46*	*10*
o-Terphenyl	*349*	*S1+*	*70 - 130*	*11/14/23 09:28*	*11/15/23 07:46*	*10*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**865**		4.99		mg/Kg			11/14/23 22:43	1

Client Sample ID: T-2 (4.0')

Lab Sample ID: 880-35673-11
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0398	U	0.0398		mg/Kg		11/13/23 14:41	11/14/23 04:08	20
Toluene	**0.0434**		0.0398		mg/Kg		11/13/23 14:41	11/14/23 04:08	20
Ethylbenzene	<0.0398	U	0.0398		mg/Kg		11/13/23 14:41	11/14/23 04:08	20
m-Xylene & p-Xylene	<0.0795	U *+	0.0795		mg/Kg		11/13/23 14:41	11/14/23 04:08	20
o-Xylene	<0.0398	U	0.0398		mg/Kg		11/13/23 14:41	11/14/23 04:08	20
Xylenes, Total	<0.0795	U	0.0795		mg/Kg		11/13/23 14:41	11/14/23 04:08	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*11/13/23 14:41*	*11/14/23 04:08*	*20*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*11/13/23 14:41*	*11/14/23 04:08*	*20*

Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

Client Sample ID: T-2 (4.0')

Lab Sample ID: 880-35673-11
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0795	U	0.0795		mg/Kg			11/14/23 04:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1090**		50.5		mg/Kg			11/15/23 04:43	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	<50.5	U	50.5		mg/Kg		11/14/23 09:28	11/15/23 04:43	1
Diesel Range Organics (Over C10-C28)	**1000**		50.5		mg/Kg		11/14/23 09:28	11/15/23 04:43	1
Oil Range Organics (Over C28-C36)	**93.3**		50.5		mg/Kg		11/14/23 09:28	11/15/23 04:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*128*		*70 - 130*	*11/14/23 09:28*	*11/15/23 04:43*	*1*
o-Terphenyl	*130*		*70 - 130*	*11/14/23 09:28*	*11/15/23 04:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**732**		5.00		mg/Kg			11/14/23 22:49	1

Client Sample ID: T-2 (5.0')

Lab Sample ID: 880-35673-12
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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		11/13/23 14:41	11/14/23 07:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/13/23 14:41	11/14/23 07:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/13/23 14:41	11/14/23 07:36	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		11/13/23 14:41	11/14/23 07:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/13/23 14:41	11/14/23 07:36	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/13/23 14:41	11/14/23 07:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*11/13/23 14:41*	*11/14/23 07:36*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*11/13/23 14:41*	*11/14/23 07:36*	*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			11/14/23 07:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**52.2**		50.2		mg/Kg			11/15/23 02:26	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	<50.2	U	50.2		mg/Kg		11/14/23 09:28	11/15/23 02:26	1

Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

Client Sample ID: T-2 (5.0')

Lab Sample ID: 880-35673-12
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	**52.2**		50.2		mg/Kg		11/14/23 09:28	11/15/23 02:26	1
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		11/14/23 09:28	11/15/23 02:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*11/14/23 09:28*	*11/15/23 02:26*	*1*
o-Terphenyl	*107*		*70 - 130*	*11/14/23 09:28*	*11/15/23 02:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.0**		5.03		mg/Kg			11/14/23 22:54	1

Client Sample ID: T-3 (0-1')

Lab Sample ID: 880-35673-13
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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		11/13/23 14:41	11/14/23 07:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/13/23 14:41	11/14/23 07:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/13/23 14:41	11/14/23 07:57	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		11/13/23 14:41	11/14/23 07:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/13/23 14:41	11/14/23 07:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/13/23 14:41	11/14/23 07:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*11/13/23 14:41*	*11/14/23 07:57*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*11/13/23 14:41*	*11/14/23 07:57*	*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			11/14/23 07:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**101**		50.2		mg/Kg			11/15/23 02:49	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	<50.2	U	50.2		mg/Kg		11/14/23 09:28	11/15/23 02:49	1
Diesel Range Organics (Over C10-C28)	**101**		50.2		mg/Kg		11/14/23 09:28	11/15/23 02:49	1
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		11/14/23 09:28	11/15/23 02:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*11/14/23 09:28*	*11/15/23 02:49*	*1*
o-Terphenyl	*125*		*70 - 130*	*11/14/23 09:28*	*11/15/23 02:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1580**		24.8		mg/Kg			11/14/23 23:00	5

Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

Client Sample ID: T-3 (1.5')

Lab Sample ID: 880-35673-14
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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		11/13/23 14:41	11/14/23 08:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/13/23 14:41	11/14/23 08:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/13/23 14:41	11/14/23 08:18	1
m-Xylene & p-Xylene	<0.00401	U *+	0.00401		mg/Kg		11/13/23 14:41	11/14/23 08:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/13/23 14:41	11/14/23 08:18	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/13/23 14:41	11/14/23 08:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*11/13/23 14:41*	*11/14/23 08:18*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*11/13/23 14:41*	*11/14/23 08:18*	*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			11/14/23 08:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**188**		50.4		mg/Kg			11/15/23 03:58	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	<50.4	U	50.4		mg/Kg		11/14/23 09:28	11/15/23 03:58	1
Diesel Range Organics (Over C10-C28)	**188**		50.4		mg/Kg		11/14/23 09:28	11/15/23 03:58	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		11/14/23 09:28	11/15/23 03:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*11/14/23 09:28*	*11/15/23 03:58*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*11/14/23 09:28*	*11/15/23 03:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**58.3**		5.04		mg/Kg			11/14/23 23:06	1

Client Sample ID: T-3 (2.0')

Lab Sample ID: 880-35673-15
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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		11/13/23 14:41	11/14/23 08:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/13/23 14:41	11/14/23 08:38	1
Ethylbenzene	**0.0441**		0.00199		mg/Kg		11/13/23 14:41	11/14/23 08:38	1
m-Xylene & p-Xylene	**0.0881**	***+**	0.00398		mg/Kg		11/13/23 14:41	11/14/23 08:38	1
o-Xylene	**0.00410**		0.00199		mg/Kg		11/13/23 14:41	11/14/23 08:38	1
Xylenes, Total	**0.0922**		0.00398		mg/Kg		11/13/23 14:41	11/14/23 08:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*222*	*S1+*	*70 - 130*	*11/13/23 14:41*	*11/14/23 08:38*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/13/23 14:41*	*11/14/23 08:38*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

Client Sample ID: T-3 (2.0')

Lab Sample ID: 880-35673-15
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.136		0.00398		mg/Kg			11/14/23 08:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	7250		253		mg/Kg			11/15/23 08:09	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	262		253		mg/Kg		11/14/23 09:28	11/15/23 08:09	5
Diesel Range Organics (Over C10-C28)	6500		253		mg/Kg		11/14/23 09:28	11/15/23 08:09	5
Oil Range Organics (Over C28-C36)	492		253		mg/Kg		11/14/23 09:28	11/15/23 08:09	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*134*	*S1+*	*70 - 130*	*11/14/23 09:28*	*11/15/23 08:09*	*5*
o-Terphenyl	*143*	*S1+*	*70 - 130*	*11/14/23 09:28*	*11/15/23 08:09*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	450		4.99		mg/Kg			11/14/23 23:11	1

Client Sample ID: T-3 (3.0')

Lab Sample ID: 880-35673-16
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0990	U	0.0990		mg/Kg		11/13/23 14:41	11/14/23 09:19	50
Toluene	<0.0990	U	0.0990		mg/Kg		11/13/23 14:41	11/14/23 09:19	50
Ethylbenzene	0.124		0.0990		mg/Kg		11/13/23 14:41	11/14/23 09:19	50
m-Xylene & p-Xylene	0.269	*+	0.198		mg/Kg		11/13/23 14:41	11/14/23 09:19	50
o-Xylene	<0.0990	U	0.0990		mg/Kg		11/13/23 14:41	11/14/23 09:19	50
Xylenes, Total	0.269		0.198		mg/Kg		11/13/23 14:41	11/14/23 09:19	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*11/13/23 14:41*	*11/14/23 09:19*	*50*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*11/13/23 14:41*	*11/14/23 09:19*	*50*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.393		0.198		mg/Kg			11/14/23 09:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	466		49.6		mg/Kg			11/15/23 03:12	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	<49.6	U	49.6		mg/Kg		11/14/23 09:28	11/15/23 03:12	1

Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

Client Sample ID: T-3 (3.0')

Lab Sample ID: 880-35673-16
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	**466**		49.6		mg/Kg		11/14/23 09:28	11/15/23 03:12	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/14/23 09:28	11/15/23 03:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*11/14/23 09:28*	*11/15/23 03:12*	*1*
o-Terphenyl	*118*		*70 - 130*	*11/14/23 09:28*	*11/15/23 03:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**245**		5.01		mg/Kg			11/14/23 23:17	1

Client Sample ID: T-3 (4.0')

Lab Sample ID: 880-35673-17
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0994	U	0.0994		mg/Kg		11/13/23 14:41	11/14/23 09:40	50
Toluene	<0.0994	U	0.0994		mg/Kg		11/13/23 14:41	11/14/23 09:40	50
Ethylbenzene	**1.43**		0.0994		mg/Kg		11/13/23 14:41	11/14/23 09:40	50
m-Xylene & p-Xylene	**2.18**	***+**	0.199		mg/Kg		11/13/23 14:41	11/14/23 09:40	50
o-Xylene	**0.121**		0.0994		mg/Kg		11/13/23 14:41	11/14/23 09:40	50
Xylenes, Total	**2.30**		0.199		mg/Kg		11/13/23 14:41	11/14/23 09:40	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*177*	*S1+*	*70 - 130*	*11/13/23 14:41*	*11/14/23 09:40*	*50*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*11/13/23 14:41*	*11/14/23 09:40*	*50*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**3.73**		0.199		mg/Kg			11/14/23 09:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**3320**		50.5		mg/Kg			11/15/23 08:09	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	**238**		50.5		mg/Kg		11/14/23 09:31	11/15/23 08:09	1
Diesel Range Organics (Over C10-C28)	**3080**	***+**	50.5		mg/Kg		11/14/23 09:31	11/15/23 08:09	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		11/14/23 09:31	11/15/23 08:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*11/14/23 09:31*	*11/15/23 08:09*	*1*
o-Terphenyl	*110*		*70 - 130*	*11/14/23 09:31*	*11/15/23 08:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**726**	**F1**	5.05		mg/Kg			11/15/23 15:35	1

Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

Client Sample ID: T-3 (5.0')

Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

Lab Sample ID: 880-35673-18

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		11/13/23 14:41	11/14/23 08:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/13/23 14:41	11/14/23 08:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/13/23 14:41	11/14/23 08:59	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		11/13/23 14:41	11/14/23 08:59	1
o-Xylene	**0.0404**		0.00200		mg/Kg		11/13/23 14:41	11/14/23 08:59	1
Xylenes, Total	**0.0404**		0.00399		mg/Kg		11/13/23 14:41	11/14/23 08:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*11/13/23 14:41*	*11/14/23 08:59*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*11/13/23 14:41*	*11/14/23 08:59*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0404**		0.00399		mg/Kg			11/14/23 08:59	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			11/15/23 07:46	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		11/14/23 09:31	11/15/23 07:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		11/14/23 09:31	11/15/23 07:46	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/14/23 09:31	11/15/23 07:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*11/14/23 09:31*	*11/15/23 07:46*	*1*
o-Terphenyl	*96*		*70 - 130*	*11/14/23 09:31*	*11/15/23 07:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.84**		5.03		mg/Kg			11/15/23 15:55	1

Surrogate Summary

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-35662-A-6-B MS	Matrix Spike	115	117
880-35662-A-6-C MSD	Matrix Spike Duplicate	114	119
880-35673-1	T-1 (0-1')	90	92
880-35673-2	T-1 (1.5')	69 S1-	79
880-35673-3	T-1 (2.0')	85	80
880-35673-4	T-1 (3.0')	87	77
880-35673-5	T-1 (4.0')	93	86
880-35673-6	T-1 (5.0')	82	91
880-35673-7	T-2 (0-1')	96	91
880-35673-8	T-2 (1.5')	96	91
880-35673-9	T-2 (2.0')	86	102
880-35673-10	T-2 (3.0')	215 S1+	102
880-35673-11	T-2 (4.0')	128	117
880-35673-12	T-2 (5.0')	92	88
880-35673-13	T-3 (0-1')	95	84
880-35673-14	T-3 (1.5')	100	92
880-35673-15	T-3 (2.0')	222 S1+	102
880-35673-16	T-3 (3.0')	134 S1+	106
880-35673-17	T-3 (4.0')	177 S1+	105
880-35673-18	T-3 (5.0')	114	87
880-35675-A-1-A MS	Matrix Spike	108	116
880-35675-A-1-B MSD	Matrix Spike Duplicate	109	114
LCS 880-66796/1-A	Lab Control Sample	114	119
LCS 880-66874/1-A	Lab Control Sample	119	107
LCSD 880-66796/2-A	Lab Control Sample Dup	105	122
LCSD 880-66874/2-A	Lab Control Sample Dup	127	123
MB 880-66796/5-A	Method Blank	70	102
MB 880-66874/5-A	Method Blank	74	97

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-35672-A-1-F MS	Matrix Spike	117	109
880-35672-A-1-G MSD	Matrix Spike Duplicate	112	105
880-35673-1	T-1 (0-1')	116	112
880-35673-2	T-1 (1.5')	111	110
880-35673-3	T-1 (2.0')	107	107
880-35673-4	T-1 (3.0')	115	111
880-35673-5	T-1 (4.0')	110	107
880-35673-6	T-1 (5.0')	107	112
880-35673-7	T-2 (0-1')	109	113
880-35673-8	T-2 (1.5')	107	109
880-35673-9	T-2 (2.0')	122	123

Surrogate Summary

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-35673-10	T-2 (3.0')	247 S1+	349 S1+										
880-35673-11	T-2 (4.0')	128	130										
880-35673-12	T-2 (5.0')	99	107										
880-35673-13	T-3 (0-1')	119	125										
880-35673-14	T-3 (1.5')	126	132 S1+										
880-35673-15	T-3 (2.0')	134 S1+	143 S1+										
880-35673-16	T-3 (3.0')	113	118										
880-35673-17	T-3 (4.0')	126	110										
880-35673-18	T-3 (5.0')	108	96										
890-5586-A-1-E MS	Matrix Spike	120	98										
890-5586-A-1-F MSD	Matrix Spike Duplicate	119	98										
LCS 880-66929/2-A	Lab Control Sample	124	134 S1+										
LCS 880-66932/2-A	Lab Control Sample	154 S1+	159 S1+										
LCSD 880-66929/3-A	Lab Control Sample Dup	150 S1+	161 S1+										
LCSD 880-66932/3-A	Lab Control Sample Dup	166 S1+	154 S1+										
MB 880-66929/1-A	Method Blank	134 S1+	150 S1+										
MB 880-66932/1-A	Method Blank	131 S1+	120										

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-66796/5-A
Matrix: Solid
Analysis Batch: 66807

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 66796

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/13/23 08:40	11/13/23 15:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/13/23 08:40	11/13/23 15:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/13/23 08:40	11/13/23 15:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/13/23 08:40	11/13/23 15:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/13/23 08:40	11/13/23 15:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/13/23 08:40	11/13/23 15:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*70*		*70 - 130*	*11/13/23 08:40*	*11/13/23 15:21*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/13/23 08:40*	*11/13/23 15:21*	*1*

Lab Sample ID: LCS 880-66796/1-A
Matrix: Solid
Analysis Batch: 66807

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 66796

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1183		mg/Kg		118	70 - 130
Toluene	0.100	0.1068		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.1023		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	0.200	0.2172		mg/Kg		109	70 - 130
o-Xylene	0.100	0.1116		mg/Kg		112	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*

Lab Sample ID: LCSD 880-66796/2-A
Matrix: Solid
Analysis Batch: 66807

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 66796

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1183		mg/Kg		118	70 - 130	0	35
Toluene	0.100	0.1041		mg/Kg		104	70 - 130	3	35
Ethylbenzene	0.100	0.09797		mg/Kg		98	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2071		mg/Kg		104	70 - 130	5	35
o-Xylene	0.100	0.1011		mg/Kg		101	70 - 130	10	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*122*		*70 - 130*

Lab Sample ID: 880-35662-A-6-B MS
Matrix: Solid
Analysis Batch: 66807

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 66796

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0180		0.0996	0.09818		mg/Kg		80	70 - 130
Toluene	0.127		0.0996	0.2310		mg/Kg		105	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

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

Lab Sample ID: 880-35662-A-6-B MS
Matrix: Solid
Analysis Batch: 66807

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 66796

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.0162		0.0996	0.08739		mg/Kg		71	70 - 130
m-Xylene & p-Xylene	0.0455		0.199	0.1804	F1	mg/Kg		68	70 - 130
o-Xylene	0.0393		0.0996	0.08614	F1	mg/Kg		47	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*

Lab Sample ID: 880-35662-A-6-C MSD
Matrix: Solid
Analysis Batch: 66807

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 66796

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0990	0.1082		mg/Kg		109	70 - 130	10	35
Toluene	<0.00199	U F2	0.0990	0.09660	F2	mg/Kg		98	70 - 130	82	35
Ethylbenzene	<0.00199	U	0.0990	0.08910		mg/Kg		90	70 - 130	2	35
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1894		mg/Kg		96	70 - 130	5	35
o-Xylene	<0.00199	U	0.0990	0.09141		mg/Kg		92	70 - 130	6	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*

Lab Sample ID: MB 880-66874/5-A
Matrix: Solid
Analysis Batch: 66807

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 66874

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/13/23 14:41	11/14/23 02:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/13/23 14:41	11/14/23 02:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/13/23 14:41	11/14/23 02:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/13/23 14:41	11/14/23 02:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/13/23 14:41	11/14/23 02:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/13/23 14:41	11/14/23 02:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*70 - 130*	*11/13/23 14:41*	*11/14/23 02:04*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*11/13/23 14:41*	*11/14/23 02:04*	*1*

Lab Sample ID: LCS 880-66874/1-A
Matrix: Solid
Analysis Batch: 66807

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 66874

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1253		mg/Kg		125	70 - 130
Toluene	0.100	0.1151		mg/Kg		115	70 - 130
Ethylbenzene	0.100	0.1190		mg/Kg		119	70 - 130
m-Xylene & p-Xylene	0.200	0.2522		mg/Kg		126	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-66874/1-A
Matrix: Solid
Analysis Batch: 66807

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 66874

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.1216		mg/Kg		122	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: LCSD 880-66874/2-A
Matrix: Solid
Analysis Batch: 66807

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 66874

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1166		mg/Kg		117	70 - 130	7	35
Toluene			0.100	0.1038		mg/Kg		104	70 - 130	10	35
Ethylbenzene			0.100	0.1032		mg/Kg		103	70 - 130	14	35
m-Xylene & p-Xylene			0.200	0.2643	*+	mg/Kg		132	70 - 130	5	35
o-Xylene			0.100	0.1256		mg/Kg		126	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*
1,4-Difluorobenzene (Surr)	*123*		*70 - 130*

Lab Sample ID: 880-35675-A-1-A MS
Matrix: Solid
Analysis Batch: 66807

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 66874

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.0996	0.07507		mg/Kg		75	70 - 130		
Toluene	<0.00199	U F1	0.0996	0.06140	F1	mg/Kg		62	70 - 130		
Ethylbenzene	<0.00199	U F1	0.0996	0.05476	F1	mg/Kg		55	70 - 130		
m-Xylene & p-Xylene	<0.00398	U *+ F1	0.199	0.1066	F1	mg/Kg		54	70 - 130		
o-Xylene	<0.00199	U F1	0.0996	0.04958	F1	mg/Kg		50	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*

Lab Sample ID: 880-35675-A-1-B MSD
Matrix: Solid
Analysis Batch: 66807

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 66874

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0990	0.07899		mg/Kg		80	70 - 130	5	35
Toluene	<0.00199	U F1	0.0990	0.06396	F1	mg/Kg		65	70 - 130	4	35
Ethylbenzene	<0.00199	U F1	0.0990	0.05859	F1	mg/Kg		59	70 - 130	7	35
m-Xylene & p-Xylene	<0.00398	U *+ F1	0.198	0.1156	F1	mg/Kg		58	70 - 130	8	35
o-Xylene	<0.00199	U F1	0.0990	0.05499	F1	mg/Kg		56	70 - 130	10	35

QC Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

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

Lab Sample ID: 880-35675-A-1-B MSD
Matrix: Solid
Analysis Batch: 66807

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 66874

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

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

Lab Sample ID: MB 880-66929/1-A
Matrix: Solid
Analysis Batch: 66908

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 66929

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		11/14/23 09:28	11/14/23 22:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/14/23 09:28	11/14/23 22:36	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/14/23 09:28	11/14/23 22:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130	11/14/23 09:28	11/14/23 22:36	1
o-Terphenyl	150	S1+	70 - 130	11/14/23 09:28	11/14/23 22:36	1

Lab Sample ID: LCS 880-66929/2-A
Matrix: Solid
Analysis Batch: 66908

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 66929

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1159		mg/Kg		116	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1082		mg/Kg		108	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	124		70 - 130
o-Terphenyl	134	S1+	70 - 130

Lab Sample ID: LCSD 880-66929/3-A
Matrix: Solid
Analysis Batch: 66908

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 66929

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1023		mg/Kg		102	70 - 130	12	20
Diesel Range Organics (Over C10-C28)			1000	1255		mg/Kg		125	70 - 130	15	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	150	S1+	70 - 130
o-Terphenyl	161	S1+	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

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

Lab Sample ID: 880-35672-A-1-F MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 66908 — **Prep Batch: 66929**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	1000	967.5		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	54.7		1000	972.7		mg/Kg		92	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*117*		*70 - 130*
o-Terphenyl	*109*		*70 - 130*

Lab Sample ID: 880-35672-A-1-G MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 66908 — **Prep Batch: 66929**

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	<49.6	U	1000	988.5		mg/Kg		99	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	54.7		1000	937.5		mg/Kg		88	70 - 130	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*112*		*70 - 130*
o-Terphenyl	*105*		*70 - 130*

Lab Sample ID: MB 880-66932/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 66905 — **Prep Batch: 66932**

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		11/14/23 09:31	11/14/23 22:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/14/23 09:31	11/14/23 22:36	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/14/23 09:31	11/14/23 22:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*11/14/23 09:31*	*11/14/23 22:36*	*1*
o-Terphenyl	*120*		*70 - 130*	*11/14/23 09:31*	*11/14/23 22:36*	*1*

Lab Sample ID: LCS 880-66932/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 66905 — **Prep Batch: 66932**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1153		mg/Kg		115	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1538	*+	mg/Kg		154	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-66932/2-A
Matrix: Solid
Analysis Batch: 66905

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 66932

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	154	S1+	70 - 130
o-Terphenyl	159	S1+	70 - 130

Lab Sample ID: LCSD 880-66932/3-A
Matrix: Solid
Analysis Batch: 66905

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 66932

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	948.7		mg/Kg		95	70 - 130	19	20
Diesel Range Organics (Over C10-C28)			1000	1736	*+	mg/Kg		174	70 - 130	12	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	166	S1+	70 - 130
o-Terphenyl	154	S1+	70 - 130

Lab Sample ID: 890-5586-A-1-E MS
Matrix: Solid
Analysis Batch: 66905

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 66932

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	1010	1134		mg/Kg		110	70 - 130
Diesel Range Organics (Over C10-C28)	52.5	*+	1010	1215		mg/Kg		116	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: 890-5586-A-1-F MSD
Matrix: Solid
Analysis Batch: 66905

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 66932

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	<49.7	U	1010	1127		mg/Kg		109	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	52.5	*+	1010	1221		mg/Kg		116	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	119		70 - 130
o-Terphenyl	98		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-66914/1-A
Matrix: Solid
Analysis Batch: 66959

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			11/14/23 20:27	1

Lab Sample ID: LCS 880-66914/2-A
Matrix: Solid
Analysis Batch: 66959

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	256.0		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-66914/3-A
Matrix: Solid
Analysis Batch: 66959

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	254.3		mg/Kg		102	90 - 110	1	20

Lab Sample ID: 880-35673-7 MS
Matrix: Solid
Analysis Batch: 66959

Client Sample ID: T-2 (0-1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1440		1260	2692		mg/Kg		99	90 - 110

Lab Sample ID: 880-35673-7 MSD
Matrix: Solid
Analysis Batch: 66959

Client Sample ID: T-2 (0-1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1440		1260	2701		mg/Kg		100	90 - 110	0	20

Lab Sample ID: MB 880-66915/1-A
Matrix: Solid
Analysis Batch: 67011

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			11/15/23 13:16	1

Lab Sample ID: LCS 880-66915/2-A
Matrix: Solid
Analysis Batch: 67011

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	248.4		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-66915/3-A
Matrix: Solid
Analysis Batch: 67011

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	249.2		mg/Kg		100	90 - 110	0	20

QC Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-35673-17 MS
Matrix: Solid
Analysis Batch: 67011

Client Sample ID: T-3 (4.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	726	F1	253	938.7	F1	mg/Kg		84	90 - 110		

Lab Sample ID: 880-35673-17 MSD
Matrix: Solid
Analysis Batch: 67011

Client Sample ID: T-3 (4.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	726	F1	253	935.9	F1	mg/Kg		83	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

GC VOA

Prep Batch: 66796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35673-1	T-1 (0-1')	Total/NA	Solid	5035	
880-35673-2	T-1 (1.5')	Total/NA	Solid	5035	
880-35673-3	T-1 (2.0')	Total/NA	Solid	5035	
880-35673-4	T-1 (3.0')	Total/NA	Solid	5035	
880-35673-5	T-1 (4.0')	Total/NA	Solid	5035	
880-35673-6	T-1 (5.0')	Total/NA	Solid	5035	
880-35673-7	T-2 (0-1')	Total/NA	Solid	5035	
880-35673-8	T-2 (1.5')	Total/NA	Solid	5035	
880-35673-9	T-2 (2.0')	Total/NA	Solid	5035	
MB 880-66796/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-66796/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-66796/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-35662-A-6-B MS	Matrix Spike	Total/NA	Solid	5035	
880-35662-A-6-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 66807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35673-1	T-1 (0-1')	Total/NA	Solid	8021B	66796
880-35673-2	T-1 (1.5')	Total/NA	Solid	8021B	66796
880-35673-3	T-1 (2.0')	Total/NA	Solid	8021B	66796
880-35673-4	T-1 (3.0')	Total/NA	Solid	8021B	66796
880-35673-5	T-1 (4.0')	Total/NA	Solid	8021B	66796
880-35673-6	T-1 (5.0')	Total/NA	Solid	8021B	66796
880-35673-7	T-2 (0-1')	Total/NA	Solid	8021B	66796
880-35673-8	T-2 (1.5')	Total/NA	Solid	8021B	66796
880-35673-9	T-2 (2.0')	Total/NA	Solid	8021B	66796
880-35673-10	T-2 (3.0')	Total/NA	Solid	8021B	66874
880-35673-11	T-2 (4.0')	Total/NA	Solid	8021B	66874
880-35673-12	T-2 (5.0')	Total/NA	Solid	8021B	66874
880-35673-13	T-3 (0-1')	Total/NA	Solid	8021B	66874
880-35673-14	T-3 (1.5')	Total/NA	Solid	8021B	66874
880-35673-15	T-3 (2.0')	Total/NA	Solid	8021B	66874
880-35673-16	T-3 (3.0')	Total/NA	Solid	8021B	66874
880-35673-17	T-3 (4.0')	Total/NA	Solid	8021B	66874
880-35673-18	T-3 (5.0')	Total/NA	Solid	8021B	66874
MB 880-66796/5-A	Method Blank	Total/NA	Solid	8021B	66796
MB 880-66874/5-A	Method Blank	Total/NA	Solid	8021B	66874
LCS 880-66796/1-A	Lab Control Sample	Total/NA	Solid	8021B	66796
LCS 880-66874/1-A	Lab Control Sample	Total/NA	Solid	8021B	66874
LCSD 880-66796/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	66796
LCSD 880-66874/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	66874
880-35662-A-6-B MS	Matrix Spike	Total/NA	Solid	8021B	66796
880-35662-A-6-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	66796
880-35675-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	66874
880-35675-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	66874

Prep Batch: 66874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35673-10	T-2 (3.0')	Total/NA	Solid	5035	
880-35673-11	T-2 (4.0')	Total/NA	Solid	5035	
880-35673-12	T-2 (5.0')	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

GC VOA (Continued)

Prep Batch: 66874 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35673-13	T-3 (0-1')	Total/NA	Solid	5035	
880-35673-14	T-3 (1.5')	Total/NA	Solid	5035	
880-35673-15	T-3 (2.0')	Total/NA	Solid	5035	
880-35673-16	T-3 (3.0')	Total/NA	Solid	5035	
880-35673-17	T-3 (4.0')	Total/NA	Solid	5035	
880-35673-18	T-3 (5.0')	Total/NA	Solid	5035	
MB 880-66874/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-66874/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-66874/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-35675-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-35675-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 66990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35673-1	T-1 (0-1')	Total/NA	Solid	Total BTEX	
880-35673-2	T-1 (1.5')	Total/NA	Solid	Total BTEX	
880-35673-3	T-1 (2.0')	Total/NA	Solid	Total BTEX	
880-35673-4	T-1 (3.0')	Total/NA	Solid	Total BTEX	
880-35673-5	T-1 (4.0')	Total/NA	Solid	Total BTEX	
880-35673-6	T-1 (5.0')	Total/NA	Solid	Total BTEX	
880-35673-7	T-2 (0-1')	Total/NA	Solid	Total BTEX	
880-35673-8	T-2 (1.5')	Total/NA	Solid	Total BTEX	
880-35673-9	T-2 (2.0')	Total/NA	Solid	Total BTEX	
880-35673-10	T-2 (3.0')	Total/NA	Solid	Total BTEX	
880-35673-11	T-2 (4.0')	Total/NA	Solid	Total BTEX	
880-35673-12	T-2 (5.0')	Total/NA	Solid	Total BTEX	
880-35673-13	T-3 (0-1')	Total/NA	Solid	Total BTEX	
880-35673-14	T-3 (1.5')	Total/NA	Solid	Total BTEX	
880-35673-15	T-3 (2.0')	Total/NA	Solid	Total BTEX	
880-35673-16	T-3 (3.0')	Total/NA	Solid	Total BTEX	
880-35673-17	T-3 (4.0')	Total/NA	Solid	Total BTEX	
880-35673-18	T-3 (5.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 66905

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35673-17	T-3 (4.0')	Total/NA	Solid	8015B NM	66932
880-35673-18	T-3 (5.0')	Total/NA	Solid	8015B NM	66932
MB 880-66932/1-A	Method Blank	Total/NA	Solid	8015B NM	66932
LCS 880-66932/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	66932
LCSD 880-66932/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	66932
890-5586-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	66932
890-5586-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	66932

Analysis Batch: 66908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35673-1	T-1 (0-1')	Total/NA	Solid	8015B NM	66929
880-35673-2	T-1 (1.5')	Total/NA	Solid	8015B NM	66929
880-35673-3	T-1 (2.0')	Total/NA	Solid	8015B NM	66929
880-35673-4	T-1 (3.0')	Total/NA	Solid	8015B NM	66929

QC Association Summary

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 66908 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35673-5	T-1 (4.0')	Total/NA	Solid	8015B NM	66929
880-35673-6	T-1 (5.0')	Total/NA	Solid	8015B NM	66929
880-35673-7	T-2 (0-1')	Total/NA	Solid	8015B NM	66929
880-35673-8	T-2 (1.5')	Total/NA	Solid	8015B NM	66929
880-35673-9	T-2 (2.0')	Total/NA	Solid	8015B NM	66929
880-35673-10	T-2 (3.0')	Total/NA	Solid	8015B NM	66929
880-35673-11	T-2 (4.0')	Total/NA	Solid	8015B NM	66929
880-35673-12	T-2 (5.0')	Total/NA	Solid	8015B NM	66929
880-35673-13	T-3 (0-1')	Total/NA	Solid	8015B NM	66929
880-35673-14	T-3 (1.5')	Total/NA	Solid	8015B NM	66929
880-35673-15	T-3 (2.0')	Total/NA	Solid	8015B NM	66929
880-35673-16	T-3 (3.0')	Total/NA	Solid	8015B NM	66929
MB 880-66929/1-A	Method Blank	Total/NA	Solid	8015B NM	66929
LCS 880-66929/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	66929
LCSD 880-66929/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	66929
880-35672-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	66929
880-35672-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	66929

Prep Batch: 66929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35673-1	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-35673-2	T-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-35673-3	T-1 (2.0')	Total/NA	Solid	8015NM Prep	
880-35673-4	T-1 (3.0')	Total/NA	Solid	8015NM Prep	
880-35673-5	T-1 (4.0')	Total/NA	Solid	8015NM Prep	
880-35673-6	T-1 (5.0')	Total/NA	Solid	8015NM Prep	
880-35673-7	T-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-35673-8	T-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-35673-9	T-2 (2.0')	Total/NA	Solid	8015NM Prep	
880-35673-10	T-2 (3.0')	Total/NA	Solid	8015NM Prep	
880-35673-11	T-2 (4.0')	Total/NA	Solid	8015NM Prep	
880-35673-12	T-2 (5.0')	Total/NA	Solid	8015NM Prep	
880-35673-13	T-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-35673-14	T-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-35673-15	T-3 (2.0')	Total/NA	Solid	8015NM Prep	
880-35673-16	T-3 (3.0')	Total/NA	Solid	8015NM Prep	
MB 880-66929/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-66929/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-66929/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-35672-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-35672-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 66932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35673-17	T-3 (4.0')	Total/NA	Solid	8015NM Prep	
880-35673-18	T-3 (5.0')	Total/NA	Solid	8015NM Prep	
MB 880-66932/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-66932/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-66932/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5586-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-5586-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

GC Semi VOA

Analysis Batch: 67047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35673-1	T-1 (0-1')	Total/NA	Solid	8015 NM	
880-35673-2	T-1 (1.5')	Total/NA	Solid	8015 NM	
880-35673-3	T-1 (2.0')	Total/NA	Solid	8015 NM	
880-35673-4	T-1 (3.0')	Total/NA	Solid	8015 NM	
880-35673-5	T-1 (4.0')	Total/NA	Solid	8015 NM	
880-35673-6	T-1 (5.0')	Total/NA	Solid	8015 NM	
880-35673-7	T-2 (0-1')	Total/NA	Solid	8015 NM	
880-35673-8	T-2 (1.5')	Total/NA	Solid	8015 NM	
880-35673-9	T-2 (2.0')	Total/NA	Solid	8015 NM	
880-35673-10	T-2 (3.0')	Total/NA	Solid	8015 NM	
880-35673-11	T-2 (4.0')	Total/NA	Solid	8015 NM	
880-35673-12	T-2 (5.0')	Total/NA	Solid	8015 NM	
880-35673-13	T-3 (0-1')	Total/NA	Solid	8015 NM	
880-35673-14	T-3 (1.5')	Total/NA	Solid	8015 NM	
880-35673-15	T-3 (2.0')	Total/NA	Solid	8015 NM	
880-35673-16	T-3 (3.0')	Total/NA	Solid	8015 NM	
880-35673-17	T-3 (4.0')	Total/NA	Solid	8015 NM	
880-35673-18	T-3 (5.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 66914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35673-1	T-1 (0-1')	Soluble	Solid	DI Leach	
880-35673-2	T-1 (1.5')	Soluble	Solid	DI Leach	
880-35673-3	T-1 (2.0')	Soluble	Solid	DI Leach	
880-35673-4	T-1 (3.0')	Soluble	Solid	DI Leach	
880-35673-5	T-1 (4.0')	Soluble	Solid	DI Leach	
880-35673-6	T-1 (5.0')	Soluble	Solid	DI Leach	
880-35673-7	T-2 (0-1')	Soluble	Solid	DI Leach	
880-35673-8	T-2 (1.5')	Soluble	Solid	DI Leach	
880-35673-9	T-2 (2.0')	Soluble	Solid	DI Leach	
880-35673-10	T-2 (3.0')	Soluble	Solid	DI Leach	
880-35673-11	T-2 (4.0')	Soluble	Solid	DI Leach	
880-35673-12	T-2 (5.0')	Soluble	Solid	DI Leach	
880-35673-13	T-3 (0-1')	Soluble	Solid	DI Leach	
880-35673-14	T-3 (1.5')	Soluble	Solid	DI Leach	
880-35673-15	T-3 (2.0')	Soluble	Solid	DI Leach	
880-35673-16	T-3 (3.0')	Soluble	Solid	DI Leach	
MB 880-66914/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-66914/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-66914/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-35673-7 MS	T-2 (0-1')	Soluble	Solid	DI Leach	
880-35673-7 MSD	T-2 (0-1')	Soluble	Solid	DI Leach	

Leach Batch: 66915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35673-17	T-3 (4.0')	Soluble	Solid	DI Leach	
880-35673-18	T-3 (5.0')	Soluble	Solid	DI Leach	
MB 880-66915/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-66915/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

HPLC/IC (Continued)

Leach Batch: 66915 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-66915/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-35673-17 MS	T-3 (4.0')	Soluble	Solid	DI Leach	
880-35673-17 MSD	T-3 (4.0')	Soluble	Solid	DI Leach	

Analysis Batch: 66959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35673-1	T-1 (0-1')	Soluble	Solid	300.0	66914
880-35673-2	T-1 (1.5')	Soluble	Solid	300.0	66914
880-35673-3	T-1 (2.0')	Soluble	Solid	300.0	66914
880-35673-4	T-1 (3.0')	Soluble	Solid	300.0	66914
880-35673-5	T-1 (4.0')	Soluble	Solid	300.0	66914
880-35673-6	T-1 (5.0')	Soluble	Solid	300.0	66914
880-35673-7	T-2 (0-1')	Soluble	Solid	300.0	66914
880-35673-8	T-2 (1.5')	Soluble	Solid	300.0	66914
880-35673-9	T-2 (2.0')	Soluble	Solid	300.0	66914
880-35673-10	T-2 (3.0')	Soluble	Solid	300.0	66914
880-35673-11	T-2 (4.0')	Soluble	Solid	300.0	66914
880-35673-12	T-2 (5.0')	Soluble	Solid	300.0	66914
880-35673-13	T-3 (0-1')	Soluble	Solid	300.0	66914
880-35673-14	T-3 (1.5')	Soluble	Solid	300.0	66914
880-35673-15	T-3 (2.0')	Soluble	Solid	300.0	66914
880-35673-16	T-3 (3.0')	Soluble	Solid	300.0	66914
MB 880-66914/1-A	Method Blank	Soluble	Solid	300.0	66914
LCS 880-66914/2-A	Lab Control Sample	Soluble	Solid	300.0	66914
LCSD 880-66914/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	66914
880-35673-7 MS	T-2 (0-1')	Soluble	Solid	300.0	66914
880-35673-7 MSD	T-2 (0-1')	Soluble	Solid	300.0	66914

Analysis Batch: 67011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35673-17	T-3 (4.0')	Soluble	Solid	300.0	66915
880-35673-18	T-3 (5.0')	Soluble	Solid	300.0	66915
MB 880-66915/1-A	Method Blank	Soluble	Solid	300.0	66915
LCS 880-66915/2-A	Lab Control Sample	Soluble	Solid	300.0	66915
LCSD 880-66915/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	66915
880-35673-17 MS	T-3 (4.0')	Soluble	Solid	300.0	66915
880-35673-17 MSD	T-3 (4.0')	Soluble	Solid	300.0	66915

Lab Chronicle

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

Client Sample ID: T-1 (0-1')

Lab Sample ID: 880-35673-1
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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	66796	11/13/23 11:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66807	11/13/23 20:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66990	11/13/23 20:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			67047	11/15/23 05:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	66929	11/14/23 09:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/15/23 05:06	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	66914	11/14/23 07:51	SA	EET MID
Soluble	Analysis	300.0		1			66959	11/14/23 21:18	CH	EET MID

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-35673-2
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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	66796	11/13/23 11:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66807	11/13/23 20:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66990	11/13/23 20:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			67047	11/15/23 05:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	66929	11/14/23 09:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/15/23 05:29	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	66914	11/14/23 07:51	SA	EET MID
Soluble	Analysis	300.0		1			66959	11/14/23 21:35	CH	EET MID

Client Sample ID: T-1 (2.0')

Lab Sample ID: 880-35673-3
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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	66796	11/13/23 11:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66807	11/13/23 21:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66990	11/13/23 21:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			67047	11/15/23 05:52	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	66929	11/14/23 09:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/15/23 05:52	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	66914	11/14/23 07:51	SA	EET MID
Soluble	Analysis	300.0		1			66959	11/14/23 21:40	CH	EET MID

Client Sample ID: T-1 (3.0')

Lab Sample ID: 880-35673-4
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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	66796	11/13/23 11:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66807	11/13/23 21:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66990	11/13/23 21:36	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

Client Sample ID: T-1 (3.0')

Lab Sample ID: 880-35673-4
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			67047	11/15/23 06:14	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	66929	11/14/23 09:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/15/23 06:14	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	66914	11/14/23 07:51	SA	EET MID
Soluble	Analysis	300.0		1			66959	11/14/23 21:46	CH	EET MID

Client Sample ID: T-1 (4.0')

Lab Sample ID: 880-35673-5
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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	66796	11/13/23 11:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66807	11/13/23 21:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66990	11/13/23 21:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			67047	11/15/23 06:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	66929	11/14/23 09:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/15/23 06:37	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	66914	11/14/23 07:51	SA	EET MID
Soluble	Analysis	300.0		1			66959	11/14/23 21:52	CH	EET MID

Client Sample ID: T-1 (5.0')

Lab Sample ID: 880-35673-6
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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	66796	11/13/23 11:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66807	11/13/23 22:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66990	11/13/23 22:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			67047	11/15/23 02:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	66929	11/14/23 09:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/15/23 02:03	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	66914	11/14/23 07:51	SA	EET MID
Soluble	Analysis	300.0		1			66959	11/14/23 21:58	CH	EET MID

Client Sample ID: T-2 (0-1')

Lab Sample ID: 880-35673-7
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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	66796	11/13/23 11:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66807	11/13/23 22:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66990	11/13/23 22:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			67047	11/15/23 03:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	66929	11/14/23 09:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/15/23 03:35	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

Client Sample ID: T-2 (0-1')

Lab Sample ID: 880-35673-7
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	66914	11/14/23 07:51	SA	EET MID
Soluble	Analysis	300.0		5			66959	11/14/23 22:03	CH	EET MID

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-35673-8
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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	66796	11/13/23 11:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66807	11/13/23 22:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66990	11/13/23 22:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			67047	11/15/23 07:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	66929	11/14/23 09:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/15/23 07:00	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	66914	11/14/23 07:51	SA	EET MID
Soluble	Analysis	300.0		1			66959	11/14/23 22:20	CH	EET MID

Client Sample ID: T-2 (2.0')

Lab Sample ID: 880-35673-9
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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	66796	11/13/23 11:52	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	66807	11/13/23 23:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66990	11/13/23 23:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			67047	11/15/23 07:23	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	66929	11/14/23 09:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/15/23 07:23	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	66914	11/14/23 07:51	SA	EET MID
Soluble	Analysis	300.0		1			66959	11/14/23 22:26	CH	EET MID

Client Sample ID: T-2 (3.0')

Lab Sample ID: 880-35673-10
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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	66874	11/13/23 14:41	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	66807	11/14/23 03:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66990	11/14/23 03:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			67047	11/15/23 07:46	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	66929	11/14/23 09:28	TKC	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	66908	11/15/23 07:46	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	66914	11/14/23 07:51	SA	EET MID
Soluble	Analysis	300.0		1			66959	11/14/23 22:43	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

Client Sample ID: T-2 (4.0')

Lab Sample ID: 880-35673-11
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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	66874	11/13/23 14:41	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	66807	11/14/23 04:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66990	11/14/23 04:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			67047	11/15/23 04:43	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	66929	11/14/23 09:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/15/23 04:43	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	66914	11/14/23 07:51	SA	EET MID
Soluble	Analysis	300.0		1			66959	11/14/23 22:49	CH	EET MID

Client Sample ID: T-2 (5.0')

Lab Sample ID: 880-35673-12
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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	66874	11/13/23 14:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66807	11/14/23 07:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66990	11/14/23 07:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			67047	11/15/23 02:26	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	66929	11/14/23 09:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/15/23 02:26	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	66914	11/14/23 07:51	SA	EET MID
Soluble	Analysis	300.0		1			66959	11/14/23 22:54	CH	EET MID

Client Sample ID: T-3 (0-1')

Lab Sample ID: 880-35673-13
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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	66874	11/13/23 14:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66807	11/14/23 07:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66990	11/14/23 07:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			67047	11/15/23 02:49	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	66929	11/14/23 09:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/15/23 02:49	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	66914	11/14/23 07:51	SA	EET MID
Soluble	Analysis	300.0		5			66959	11/14/23 23:00	CH	EET MID

Client Sample ID: T-3 (1.5')

Lab Sample ID: 880-35673-14
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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	66874	11/13/23 14:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66807	11/14/23 08:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66990	11/14/23 08:18	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

Client Sample ID: T-3 (1.5')

Lab Sample ID: 880-35673-14
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			67047	11/15/23 03:58	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	66929	11/14/23 09:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/15/23 03:58	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	66914	11/14/23 07:51	SA	EET MID
Soluble	Analysis	300.0		1			66959	11/14/23 23:06	CH	EET MID

Client Sample ID: T-3 (2.0')

Lab Sample ID: 880-35673-15
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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	66874	11/13/23 14:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66807	11/14/23 08:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66990	11/14/23 08:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			67047	11/15/23 08:09	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	66929	11/14/23 09:28	TKC	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	66908	11/15/23 08:09	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	66914	11/14/23 07:51	SA	EET MID
Soluble	Analysis	300.0		1			66959	11/14/23 23:11	CH	EET MID

Client Sample ID: T-3 (3.0')

Lab Sample ID: 880-35673-16
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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	66874	11/13/23 14:41	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	66807	11/14/23 09:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66990	11/14/23 09:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			67047	11/15/23 03:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	66929	11/14/23 09:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/15/23 03:12	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	66914	11/14/23 07:51	SA	EET MID
Soluble	Analysis	300.0		1			66959	11/14/23 23:17	CH	EET MID

Client Sample ID: T-3 (4.0')

Lab Sample ID: 880-35673-17
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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	66874	11/13/23 14:41	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	66807	11/14/23 09:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66990	11/14/23 09:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			67047	11/15/23 08:09	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	66932	11/14/23 09:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66905	11/15/23 08:09	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

Client Sample ID: T-3 (4.0')

Lab Sample ID: 880-35673-17

Date Collected: 11/10/23 00:00
Matrix: Solid
Date Received: 11/13/23 11:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	66915	11/14/23 07:54	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67011	11/15/23 15:35	SMC	EET MID

Client Sample ID: T-3 (5.0')

Lab Sample ID: 880-35673-18

Date Collected: 11/10/23 00:00
Matrix: Solid
Date Received: 11/13/23 11:31

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	66874	11/13/23 14:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66807	11/14/23 08:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66990	11/14/23 08:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			67047	11/15/23 07:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	66932	11/14/23 09:31	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66905	11/15/23 07:46	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	66915	11/14/23 07:54	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67011	11/15/23 15:55	SMC	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: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	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
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	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: State 16 Battery

Job ID: 880-35673-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-35673-1	T-1 (0-1')	Solid	11/10/23 00:00	11/13/23 11:31
880-35673-2	T-1 (1.5')	Solid	11/10/23 00:00	11/13/23 11:31
880-35673-3	T-1 (2.0')	Solid	11/10/23 00:00	11/13/23 11:31
880-35673-4	T-1 (3.0')	Solid	11/10/23 00:00	11/13/23 11:31
880-35673-5	T-1 (4.0')	Solid	11/10/23 00:00	11/13/23 11:31
880-35673-6	T-1 (5.0')	Solid	11/10/23 00:00	11/13/23 11:31
880-35673-7	T-2 (0-1')	Solid	11/10/23 00:00	11/13/23 11:31
880-35673-8	T-2 (1.5')	Solid	11/10/23 00:00	11/13/23 11:31
880-35673-9	T-2 (2.0')	Solid	11/10/23 00:00	11/13/23 11:31
880-35673-10	T-2 (3.0')	Solid	11/10/23 00:00	11/13/23 11:31
880-35673-11	T-2 (4.0')	Solid	11/10/23 00:00	11/13/23 11:31
880-35673-12	T-2 (5.0')	Solid	11/10/23 00:00	11/13/23 11:31
880-35673-13	T-3 (0-1')	Solid	11/10/23 00:00	11/13/23 11:31
880-35673-14	T-3 (1.5')	Solid	11/10/23 00:00	11/13/23 11:31
880-35673-15	T-3 (2.0')	Solid	11/10/23 00:00	11/13/23 11:31
880-35673-16	T-3 (3.0')	Solid	11/10/23 00:00	11/13/23 11:31
880-35673-17	T-3 (4.0')	Solid	11/10/23 00:00	11/13/23 11:31
880-35673-18	T-3 (5.0')	Solid	11/10/23 00:00	11/13/23 11:31

Chain of Custody

880-35673 Chain of Custody

Page 1 of 2

Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name.	EOG Resources
Address.	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland Tx 79706
Phone.	(432) 813-6823	Email	Todd_Wells@eogresources.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	State 16 Battery	Turn Around	
Project Number	2137	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date	72 Hours
Sampler's Name	JM		
PO #:			

SAMPLE RECEIPT			
Temp Blank.	Yes (No)	Wet Ice.	(Yes) No
Received Intact:	(Yes) No	Thermometer ID	IR-8
Cooler Custody Seals	Yes No (N/A)	Correction Factor	+0.2
Sample Custody Seals.	Yes No (N/A)	Temperature Reading	-11
Total Containers.		Corrected Temperature	-10.8

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
T-1 (0-1')	11/10/2023		X		G	1		x	x	x
T-1 (1 5')	11/10/2023		X		G	1		x	x	x
T-1 (2 0')	11/10/2023		X		G	1		x	x	x
T-1 (3 0')	11/10/2023		X		G	1		x	x	x
T-1 (4 0')	11/10/2023		X		G	1		x	x	x
T-1 (5 0')	11/10/2023		X		G	1		x	x	x
T-2 (0-1')	11/10/2023		X		G	1		x	x	x
T-2 (1 5')	11/10/2023		X		G	1		x	x	x
T-2 (2 0')	11/10/2023		X		G	1		x	x	x
T-2 (3 0')	11/10/2023		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

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com and Devin Dominguez / Ddominguez@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
Conner Moehring	11-13-23		11/13/23 11:31

Cha of C s ccr

Work Order No: _____

Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland Tx 79706
Phone	(432) 813-6823	Email	Todd_Wells@eogresources.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	State 16 Battery	Turn Around	
Project Number	2137	☐ Routine	☑ Rush
Project Location	Lea County New Mexico	Due Date	72 Hours
Sampler's Name:	JM		
PO #:			

SAMPLE RECEIPT			
Temp Blank.	Yes (No)	Wet Ice	(Yes) No
Received Intact:	(Yes) No	Thermometer ID	IR-8
Cooler Custody Seals.	Yes No (N/A)	Correction Factor	+0.2
Sample Custody Seals.	Yes No (N/A)	Temperature Reading	-11
Total Containers.		Corrected Temperature	-10.8

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
T-2 (4 0')	11/10/2023		X		G	1		x	x	x
T-2 (5 0')	11/10/2023		X		G	1		x	x	x
T-3 (0-1')	11/10/2023		X		G	1		x	x	x
T-3 (1 5')	11/10/2023		X		G	1		x	x	x
T-3 (2 0')	11/10/2023		X		G	1		x	x	x
T-3 (3 0')	11/10/2023		X		G	1		x	x	x
T-3 (4 0')	11/10/2023		X		G	1		x	x	x
T-3 (5 0')	11/10/2023		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

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com and Devin Dominguez / Ddominguez@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
Conner Moehring	11-13-23		11-13-23 11:31

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-35673-1
SDG Number: Lea County NM

Login Number: 35673
List Number: 1
Creator: Kramer, Jessica

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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/15/2023 2:18:18 PM

JOB DESCRIPTION

State 16 Battery
Lea County NM

JOB NUMBER

880-35672-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

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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
11/15/2023 2:18:18 PM

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

Client: Carmona Resources
Project/Site: State 16 Battery

Laboratory Job ID: 880-35672-1
SDG: Lea County NM

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35672-1
SDG: Lea County NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD 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
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: State 16 Battery

Job ID: 880-35672-1
SDG: Lea County NM

Job ID: 880-35672-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-35672-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 11/13/2023 11:31 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 -10.8°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-66796 and analytical batch 880-66807 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.

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-66929 and analytical batch 880-66908 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-66929/2-A) and (LCSD 880-66929/3-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
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: State 16 Battery

Job ID: 880-35672-1
SDG: Lea County NM

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

Lab Sample ID: 880-35672-1
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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		11/13/23 11:52	11/13/23 17:26	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/13/23 11:52	11/13/23 17:26	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/13/23 11:52	11/13/23 17:26	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/13/23 11:52	11/13/23 17:26	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/13/23 11:52	11/13/23 17:26	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/13/23 11:52	11/13/23 17:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*11/13/23 11:52*	*11/13/23 17:26*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*11/13/23 11:52*	*11/13/23 17:26*	*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			11/13/23 17:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**54.7**		49.6		mg/Kg			11/14/23 23:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		11/14/23 09:28	11/14/23 23:45	1
Diesel Range Organics (Over C10-C28)	**54.7**		49.6		mg/Kg		11/14/23 09:28	11/14/23 23:45	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/14/23 09:28	11/14/23 23:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*11/14/23 09:28*	*11/14/23 23:45*	*1*
o-Terphenyl	*121*		*70 - 130*	*11/14/23 09:28*	*11/14/23 23:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.74**		4.96		mg/Kg			11/15/23 09:27	1

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

Lab Sample ID: 880-35672-2
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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		11/13/23 11:52	11/13/23 17:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/13/23 11:52	11/13/23 17:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/13/23 11:52	11/13/23 17:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/13/23 11:52	11/13/23 17:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/13/23 11:52	11/13/23 17:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/13/23 11:52	11/13/23 17:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*11/13/23 11:52*	*11/13/23 17:47*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*11/13/23 11:52*	*11/13/23 17:47*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35672-1
SDG: Lea County NM

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

Lab Sample ID: 880-35672-2
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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			11/13/23 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**58.7**		50.5		mg/Kg			11/15/23 00:54	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		11/14/23 09:28	11/15/23 00:54	1
Diesel Range Organics (Over C10-C28)	**58.7**		50.5		mg/Kg		11/14/23 09:28	11/15/23 00:54	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		11/14/23 09:28	11/15/23 00:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*11/14/23 09:28*	*11/15/23 00:54*	*1*
o-Terphenyl	*121*		*70 - 130*	*11/14/23 09:28*	*11/15/23 00:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.69**		5.03		mg/Kg			11/14/23 21:01	1

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

Lab Sample ID: 880-35672-3
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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		11/13/23 11:52	11/13/23 18:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/13/23 11:52	11/13/23 18:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/13/23 11:52	11/13/23 18:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/13/23 11:52	11/13/23 18:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/13/23 11:52	11/13/23 18:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/13/23 11:52	11/13/23 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*11/13/23 11:52*	*11/13/23 18:08*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*11/13/23 11:52*	*11/13/23 18:08*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/13/23 18:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**53.2**		49.7		mg/Kg			11/15/23 01:17	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	<49.7	U	49.7		mg/Kg		11/14/23 09:28	11/15/23 01:17	1
Diesel Range Organics (Over C10-C28)	**53.2**		49.7		mg/Kg		11/14/23 09:28	11/15/23 01:17	1

Client Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35672-1
SDG: Lea County NM

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

Lab Sample ID: 880-35672-3
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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)	<49.7	U	49.7		mg/Kg		11/14/23 09:28	11/15/23 01:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*11/14/23 09:28*	*11/15/23 01:17*	*1*
o-Terphenyl	*129*		*70 - 130*	*11/14/23 09:28*	*11/15/23 01:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.56**		5.04		mg/Kg			11/14/23 21:07	1

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

Lab Sample ID: 880-35672-4
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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		11/13/23 11:52	11/13/23 20:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/13/23 11:52	11/13/23 20:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/13/23 11:52	11/13/23 20:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/13/23 11:52	11/13/23 20:14	1
o-Xylene	**0.00304**		0.00200		mg/Kg		11/13/23 11:52	11/13/23 20:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/13/23 11:52	11/13/23 20:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*	*11/13/23 11:52*	*11/13/23 20:14*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*11/13/23 11:52*	*11/13/23 20:14*	*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			11/13/23 20:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			11/15/23 01:40	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	<49.6	U	49.6		mg/Kg		11/14/23 09:28	11/15/23 01:40	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/14/23 09:28	11/15/23 01:40	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/14/23 09:28	11/15/23 01:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*11/14/23 09:28*	*11/15/23 01:40*	*1*
o-Terphenyl	*105*		*70 - 130*	*11/14/23 09:28*	*11/15/23 01:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.01	U	5.01		mg/Kg			11/14/23 21:12	1

Surrogate Summary

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35672-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-35662-A-6-B MS	Matrix Spike	115	117										
880-35662-A-6-C MSD	Matrix Spike Duplicate	114	119										
880-35672-1	H-2 (0-0.5')	88	90										
880-35672-2	H-3 (0-0.5')	93	80										
880-35672-3	H-6 (0-0.5')	78	94										
880-35672-4	H-7 (0-0.5')	77	108										
LCS 880-66796/1-A	Lab Control Sample	114	119										
LCSD 880-66796/2-A	Lab Control Sample Dup	105	122										
MB 880-66796/5-A	Method Blank	70	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)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-35672-1	H-2 (0-0.5')	113	121										
880-35672-1 MS	H-2 (0-0.5')	117	109										
880-35672-1 MSD	H-2 (0-0.5')	112	105										
880-35672-2	H-3 (0-0.5')	116	121										
880-35672-3	H-6 (0-0.5')	121	129										
880-35672-4	H-7 (0-0.5')	98	105										
LCS 880-66929/2-A	Lab Control Sample	124	134 S1+										
LCSD 880-66929/3-A	Lab Control Sample Dup	150 S1+	161 S1+										
MB 880-66929/1-A	Method Blank	134 S1+	150 S1+										

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35672-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-66796/5-A
Matrix: Solid
Analysis Batch: 66807

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 66796

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/13/23 08:40	11/13/23 15:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/13/23 08:40	11/13/23 15:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/13/23 08:40	11/13/23 15:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/13/23 08:40	11/13/23 15:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/13/23 08:40	11/13/23 15:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/13/23 08:40	11/13/23 15:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*70*		*70 - 130*	*11/13/23 08:40*	*11/13/23 15:21*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/13/23 08:40*	*11/13/23 15:21*	*1*

Lab Sample ID: LCS 880-66796/1-A
Matrix: Solid
Analysis Batch: 66807

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 66796

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1183		mg/Kg		118	70 - 130
Toluene	0.100	0.1068		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.1023		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	0.200	0.2172		mg/Kg		109	70 - 130
o-Xylene	0.100	0.1116		mg/Kg		112	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*

Lab Sample ID: LCSD 880-66796/2-A
Matrix: Solid
Analysis Batch: 66807

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 66796

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1183		mg/Kg		118	70 - 130	0	35
Toluene	0.100	0.1041		mg/Kg		104	70 - 130	3	35
Ethylbenzene	0.100	0.09797		mg/Kg		98	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2071		mg/Kg		104	70 - 130	5	35
o-Xylene	0.100	0.1011		mg/Kg		101	70 - 130	10	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*122*		*70 - 130*

Lab Sample ID: 880-35662-A-6-B MS
Matrix: Solid
Analysis Batch: 66807

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 66796

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0180		0.0996	0.09818		mg/Kg		80	70 - 130
Toluene	0.127		0.0996	0.2310		mg/Kg		105	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35672-1
SDG: Lea County NM

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

Lab Sample ID: 880-35662-A-6-B MS
Matrix: Solid
Analysis Batch: 66807

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 66796

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.0162		0.0996	0.08739		mg/Kg		71	70 - 130
m-Xylene & p-Xylene	0.0455		0.199	0.1804	F1	mg/Kg		68	70 - 130
o-Xylene	0.0393		0.0996	0.08614	F1	mg/Kg		47	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*

Lab Sample ID: 880-35662-A-6-C MSD
Matrix: Solid
Analysis Batch: 66807

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 66796

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0990	0.1082		mg/Kg		109	70 - 130	10	35
Toluene	<0.00199	U F2	0.0990	0.09660	F2	mg/Kg		98	70 - 130	82	35
Ethylbenzene	<0.00199	U	0.0990	0.08910		mg/Kg		90	70 - 130	2	35
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1894		mg/Kg		96	70 - 130	5	35
o-Xylene	<0.00199	U	0.0990	0.09141		mg/Kg		92	70 - 130	6	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*

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

Lab Sample ID: MB 880-66929/1-A
Matrix: Solid
Analysis Batch: 66908

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 66929

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		11/14/23 09:28	11/14/23 22:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/14/23 09:28	11/14/23 22:36	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/14/23 09:28	11/14/23 22:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*134*	*S1+*	*70 - 130*	*11/14/23 09:28*	*11/14/23 22:36*	*1*
o-Terphenyl	*150*	*S1+*	*70 - 130*	*11/14/23 09:28*	*11/14/23 22:36*	*1*

Lab Sample ID: LCS 880-66929/2-A
Matrix: Solid
Analysis Batch: 66908

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 66929

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1159		mg/Kg		116	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1082		mg/Kg		108	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35672-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-66929/2-A
Matrix: Solid
Analysis Batch: 66908

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 66929

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	124		70 - 130
o-Terphenyl	134	S1+	70 - 130

Lab Sample ID: LCSD 880-66929/3-A
Matrix: Solid
Analysis Batch: 66908

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 66929

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1023		mg/Kg		102	70 - 130	12	20
Diesel Range Organics (Over C10-C28)			1000	1255		mg/Kg		125	70 - 130	15	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	150	S1+	70 - 130
o-Terphenyl	161	S1+	70 - 130

Lab Sample ID: 880-35672-1 MS
Matrix: Solid
Analysis Batch: 66908

Client Sample ID: H-2 (0-0.5')
Prep Type: Total/NA
Prep Batch: 66929

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	1000	967.5		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	54.7		1000	972.7		mg/Kg		92	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	117		70 - 130
o-Terphenyl	109		70 - 130

Lab Sample ID: 880-35672-1 MSD
Matrix: Solid
Analysis Batch: 66908

Client Sample ID: H-2 (0-0.5')
Prep Type: Total/NA
Prep Batch: 66929

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	<49.6	U	1000	988.5		mg/Kg		99	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	54.7		1000	937.5		mg/Kg		88	70 - 130	4	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	105		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35672-1
SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-66914/1-A
Matrix: Solid
Analysis Batch: 66959

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			11/14/23 20:27	1

Lab Sample ID: LCS 880-66914/2-A
Matrix: Solid
Analysis Batch: 66959

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	256.0		mg/Kg		102	90 - 110		

Lab Sample ID: LCSD 880-66914/3-A
Matrix: Solid
Analysis Batch: 66959

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	254.3		mg/Kg		102	90 - 110	1	20

Lab Sample ID: 880-35672-1 MS
Matrix: Solid
Analysis Batch: 66959

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	5.74		248	254.0		mg/Kg		100	90 - 110		

Lab Sample ID: 880-35672-1 MSD
Matrix: Solid
Analysis Batch: 66959

Client Sample ID: H-2 (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	5.74		248	252.9		mg/Kg		100	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35672-1
SDG: Lea County NM

GC VOA

Prep Batch: 66796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35672-1	H-2 (0-0.5')	Total/NA	Solid	5035	
880-35672-2	H-3 (0-0.5')	Total/NA	Solid	5035	
880-35672-3	H-6 (0-0.5')	Total/NA	Solid	5035	
880-35672-4	H-7 (0-0.5')	Total/NA	Solid	5035	
MB 880-66796/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-66796/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-66796/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-35662-A-6-B MS	Matrix Spike	Total/NA	Solid	5035	
880-35662-A-6-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 66807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35672-1	H-2 (0-0.5')	Total/NA	Solid	8021B	66796
880-35672-2	H-3 (0-0.5')	Total/NA	Solid	8021B	66796
880-35672-3	H-6 (0-0.5')	Total/NA	Solid	8021B	66796
880-35672-4	H-7 (0-0.5')	Total/NA	Solid	8021B	66796
MB 880-66796/5-A	Method Blank	Total/NA	Solid	8021B	66796
LCS 880-66796/1-A	Lab Control Sample	Total/NA	Solid	8021B	66796
LCSD 880-66796/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	66796
880-35662-A-6-B MS	Matrix Spike	Total/NA	Solid	8021B	66796
880-35662-A-6-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	66796

Analysis Batch: 66989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35672-1	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-35672-2	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-35672-3	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-35672-4	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 66908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35672-1	H-2 (0-0.5')	Total/NA	Solid	8015B NM	66929
880-35672-2	H-3 (0-0.5')	Total/NA	Solid	8015B NM	66929
880-35672-3	H-6 (0-0.5')	Total/NA	Solid	8015B NM	66929
880-35672-4	H-7 (0-0.5')	Total/NA	Solid	8015B NM	66929
MB 880-66929/1-A	Method Blank	Total/NA	Solid	8015B NM	66929
LCS 880-66929/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	66929
LCSD 880-66929/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	66929
880-35672-1 MS	H-2 (0-0.5')	Total/NA	Solid	8015B NM	66929
880-35672-1 MSD	H-2 (0-0.5')	Total/NA	Solid	8015B NM	66929

Prep Batch: 66929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35672-1	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-35672-2	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-35672-3	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-35672-4	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-66929/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-66929/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35672-1
SDG: Lea County NM

GC Semi VOA (Continued)

Prep Batch: 66929 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-66929/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-35672-1 MS	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-35672-1 MSD	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 67107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35672-1	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-35672-2	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-35672-3	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-35672-4	H-7 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 66914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35672-1	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-35672-2	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-35672-3	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-35672-4	H-7 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-66914/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-66914/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-66914/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-35672-1 MS	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-35672-1 MSD	H-2 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 66959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35672-1	H-2 (0-0.5')	Soluble	Solid	300.0	66914
880-35672-2	H-3 (0-0.5')	Soluble	Solid	300.0	66914
880-35672-3	H-6 (0-0.5')	Soluble	Solid	300.0	66914
880-35672-4	H-7 (0-0.5')	Soluble	Solid	300.0	66914
MB 880-66914/1-A	Method Blank	Soluble	Solid	300.0	66914
LCS 880-66914/2-A	Lab Control Sample	Soluble	Solid	300.0	66914
LCSD 880-66914/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	66914
880-35672-1 MS	H-2 (0-0.5')	Soluble	Solid	300.0	66914
880-35672-1 MSD	H-2 (0-0.5')	Soluble	Solid	300.0	66914

Lab Chronicle

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35672-1
SDG: Lea County NM

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

Lab Sample ID: 880-35672-1
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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	66796	11/13/23 11:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66807	11/13/23 17:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66989	11/13/23 17:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			67107	11/14/23 23:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	66929	11/14/23 09:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/14/23 23:45	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	66914	11/14/23 07:51	SA	EET MID
Soluble	Analysis	300.0		1			66959	11/15/23 09:27	CH	EET MID

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

Lab Sample ID: 880-35672-2
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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	66796	11/13/23 11:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66807	11/13/23 17:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66989	11/13/23 17:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			67107	11/15/23 00:54	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	66929	11/14/23 09:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/15/23 00:54	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	66914	11/14/23 07:51	SA	EET MID
Soluble	Analysis	300.0		1			66959	11/14/23 21:01	CH	EET MID

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

Lab Sample ID: 880-35672-3
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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	66796	11/13/23 11:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66807	11/13/23 18:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66989	11/13/23 18:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			67107	11/15/23 01:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	66929	11/14/23 09:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/15/23 01:17	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	66914	11/14/23 07:51	SA	EET MID
Soluble	Analysis	300.0		1			66959	11/14/23 21:07	CH	EET MID

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

Lab Sample ID: 880-35672-4
Matrix: Solid
Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

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	66796	11/13/23 11:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66807	11/13/23 20:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66989	11/13/23 20:14	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35672-1
SDG: Lea County NM

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

Date Collected: 11/10/23 00:00
Date Received: 11/13/23 11:31

Lab Sample ID: 880-35672-4

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			67107	11/15/23 01:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	66929	11/14/23 09:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66908	11/15/23 01:40	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	66914	11/14/23 07:51	SA	EET MID
Soluble	Analysis	300.0		1			66959	11/14/23 21:12	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35672-1
SDG: Lea County NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	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
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: State 16 Battery

Job ID: 880-35672-1
SDG: Lea County NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	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: State 16 Battery

Job ID: 880-35672-1
SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-35672-1	H-2 (0-0.5')	Solid	11/10/23 00:00	11/13/23 11:31
880-35672-2	H-3 (0-0.5')	Solid	11/10/23 00:00	11/13/23 11:31
880-35672-3	H-6 (0-0.5')	Solid	11/10/23 00:00	11/13/23 11:31
880-35672-4	H-7 (0-0.5')	Solid	11/10/23 00:00	11/13/23 11:31

Chain of Custody

880-35672 Chain of Custody

7

Project Manager	Conner Moehring	Bill to: (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address.	310 W Wall St Ste 500	Address.	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Tx 79706
Phone	(432) 813-6823	Email	Todd_Wells@eogresources.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.	State 16 Battery	Turn Around	
Project Number	2137	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date	72 Hours
Sampler's Name	JM		
PO #			

SAMPLE RECEIPT			
Temp Blank	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID	IR-8
Cooler Custody Seals	Yes No (N/A)	Correction Factor	+0.2
Sample Custody Seals	Yes No (N/A)	Temperature Reading	-11
Total Containers.		Corrected Temperature:	-10.8

ANALYSIS REQUEST

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
H-2 (0-0 5')	11/10/2023		X		G	1		x	x	x	
H-3 (0-0 5')	11/10/2023		X		G	1		x	x	x	
H-6 (0-0 5')	11/10/2023		X		G	1		x	x	x	
H-7 (0-0 5')	11/10/2023		X		G	1		x	x	x	

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com and Devin Dominguez / Ddominguez@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by: (Signature)	Date/Time
Conner Moehring	11-13-23		11-13-23 11:31

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-35672-1
SDG Number: Lea County NM

Login Number: 35672
List Number: 1
Creator: Kramer, Jessica

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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

December 13, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: STATE 16 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 12/12/23 9:43.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	12/12/2023	Sampling Date:	12/06/2023
Reported:	12/13/2023	Sampling Type:	Soil
Project Name:	STATE 16 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	2137	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: CS - 1 (1.0') (H236611-01)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2023	ND	1.92	96.1	2.00	4.61	
Toluene*	<0.050	0.050	12/12/2023	ND	2.02	101	2.00	5.59	
Ethylbenzene*	<0.050	0.050	12/12/2023	ND	2.07	103	2.00	4.25	
Total Xylenes*	<0.150	0.150	12/12/2023	ND	6.29	105	6.00	3.14	
Total BTEX	<0.300	0.300	12/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	12/12/2023	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2023	ND	234	117	200	2.34	
DRO >C10-C28*	<10.0	10.0	12/12/2023	ND	234	117	200	0.683	
EXT DRO >C28-C36	<10.0	10.0	12/12/2023	ND					

Surrogate: 1-Chlorooctane *97.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *115 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	12/12/2023	Sampling Date:	12/06/2023
Reported:	12/13/2023	Sampling Type:	Soil
Project Name:	STATE 16 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	2137	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: CS - 2 (1.0') (H236611-02)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2023	ND	1.92	96.1	2.00	4.61	
Toluene*	<0.050	0.050	12/12/2023	ND	2.02	101	2.00	5.59	
Ethylbenzene*	<0.050	0.050	12/12/2023	ND	2.07	103	2.00	4.25	
Total Xylenes*	<0.150	0.150	12/12/2023	ND	6.29	105	6.00	3.14	
Total BTEX	<0.300	0.300	12/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *119 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	12/12/2023	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2023	ND	234	117	200	2.34	
DRO >C10-C28*	<10.0	10.0	12/12/2023	ND	234	117	200	0.683	
EXT DRO >C28-C36	<10.0	10.0	12/12/2023	ND					

Surrogate: 1-Chlorooctane *89.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *105 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	12/12/2023	Sampling Date:	12/06/2023
Reported:	12/13/2023	Sampling Type:	Soil
Project Name:	STATE 16 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	2137	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: CS - 3 (5.0') (H236611-03)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2023	ND	1.92	96.1	2.00	4.61	
Toluene*	<0.050	0.050	12/12/2023	ND	2.02	101	2.00	5.59	
Ethylbenzene*	<0.050	0.050	12/12/2023	ND	2.07	103	2.00	4.25	
Total Xylenes*	<0.150	0.150	12/12/2023	ND	6.29	105	6.00	3.14	
Total BTEX	<0.300	0.300	12/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	12/12/2023	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2023	ND	234	117	200	2.34	
DRO >C10-C28*	<10.0	10.0	12/12/2023	ND	234	117	200	0.683	
EXT DRO >C28-C36	<10.0	10.0	12/12/2023	ND					

Surrogate: 1-Chlorooctane *104 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *125 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	12/12/2023	Sampling Date:	12/06/2023
Reported:	12/13/2023	Sampling Type:	Soil
Project Name:	STATE 16 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	2137	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: CS - 4 (5.0') (H236611-04)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2023	ND	1.92	96.1	2.00	4.61	
Toluene*	<0.050	0.050	12/12/2023	ND	2.02	101	2.00	5.59	
Ethylbenzene*	<0.050	0.050	12/12/2023	ND	2.07	103	2.00	4.25	
Total Xylenes*	<0.150	0.150	12/12/2023	ND	6.29	105	6.00	3.14	
Total BTEX	<0.300	0.300	12/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *119 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	12/12/2023	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2023	ND	234	117	200	2.34	
DRO >C10-C28*	<10.0	10.0	12/12/2023	ND	234	117	200	0.683	
EXT DRO >C28-C36	<10.0	10.0	12/12/2023	ND					

Surrogate: 1-Chlorooctane *92.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *108 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	12/12/2023	Sampling Date:	12/06/2023
Reported:	12/13/2023	Sampling Type:	Soil
Project Name:	STATE 16 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	2137	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: CS - 5 (5.0') (H236611-05)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2023	ND	2.17	109	2.00	1.73	
Toluene*	<0.050	0.050	12/12/2023	ND	2.14	107	2.00	2.08	
Ethylbenzene*	<0.050	0.050	12/12/2023	ND	2.12	106	2.00	1.88	
Total Xylenes*	<0.150	0.150	12/12/2023	ND	6.73	112	6.00	1.99	
Total BTEX	<0.300	0.300	12/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	12/12/2023	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/13/2023	ND	234	117	200	2.34	
DRO >C10-C28*	<10.0	10.0	12/13/2023	ND	234	117	200	0.683	
EXT DRO >C28-C36	<10.0	10.0	12/13/2023	ND					

Surrogate: 1-Chlorooctane *98.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *115 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	12/12/2023	Sampling Date:	12/06/2023
Reported:	12/13/2023	Sampling Type:	Soil
Project Name:	STATE 16 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	2137	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: CS - 6 (5.0') (H236611-06)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2023	ND	2.17	109	2.00	1.73	
Toluene*	<0.050	0.050	12/12/2023	ND	2.14	107	2.00	2.08	
Ethylbenzene*	<0.050	0.050	12/12/2023	ND	2.12	106	2.00	1.88	
Total Xylenes*	<0.150	0.150	12/12/2023	ND	6.73	112	6.00	1.99	
Total BTEX	<0.300	0.300	12/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	12/12/2023	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2023	ND	225	113	200	0.509	
DRO >C10-C28*	<10.0	10.0	12/12/2023	ND	224	112	200	0.157	
EXT DRO >C28-C36	<10.0	10.0	12/12/2023	ND					

Surrogate: 1-Chlorooctane *89.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *103 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	12/12/2023	Sampling Date:	12/06/2023
Reported:	12/13/2023	Sampling Type:	Soil
Project Name:	STATE 16 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	2137	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: CS - 7 (5.0') (H236611-07)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2023	ND	2.17	109	2.00	1.73	
Toluene*	<0.050	0.050	12/12/2023	ND	2.14	107	2.00	2.08	
Ethylbenzene*	<0.050	0.050	12/12/2023	ND	2.12	106	2.00	1.88	
Total Xylenes*	<0.150	0.150	12/12/2023	ND	6.73	112	6.00	1.99	
Total BTEX	<0.300	0.300	12/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	12/12/2023	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2023	ND	225	113	200	0.509	
DRO >C10-C28*	<10.0	10.0	12/12/2023	ND	224	112	200	0.157	
EXT DRO >C28-C36	<10.0	10.0	12/12/2023	ND					

Surrogate: 1-Chlorooctane *91.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *106 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	12/12/2023	Sampling Date:	12/06/2023
Reported:	12/13/2023	Sampling Type:	Soil
Project Name:	STATE 16 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	2137	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: CS - 8 (5.0') (H236611-08)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2023	ND	2.17	109	2.00	1.73	
Toluene*	<0.050	0.050	12/12/2023	ND	2.14	107	2.00	2.08	
Ethylbenzene*	<0.050	0.050	12/12/2023	ND	2.12	106	2.00	1.88	
Total Xylenes*	<0.150	0.150	12/12/2023	ND	6.73	112	6.00	1.99	
Total BTEX	<0.300	0.300	12/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	12/12/2023	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/13/2023	ND	225	113	200	0.509	
DRO >C10-C28*	**391**	10.0	12/13/2023	ND	224	112	200	0.157	
EXT DRO >C28-C36	**364**	10.0	12/13/2023	ND					

Surrogate: 1-Chlorooctane *101 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *99.9 %* *49.1-148*

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	12/12/2023	Sampling Date:	12/06/2023
Reported:	12/13/2023	Sampling Type:	Soil
Project Name:	STATE 16 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	2137	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: SW - 1 (1.0') (H236611-09)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2023	ND	2.17	109	2.00	1.73	
Toluene*	<0.050	0.050	12/12/2023	ND	2.14	107	2.00	2.08	
Ethylbenzene*	<0.050	0.050	12/12/2023	ND	2.12	106	2.00	1.88	
Total Xylenes*	<0.150	0.150	12/12/2023	ND	6.73	112	6.00	1.99	
Total BTEX	<0.300	0.300	12/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	12/12/2023	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2023	ND	225	113	200	0.509	
DRO >C10-C28*	<10.0	10.0	12/12/2023	ND	224	112	200	0.157	
EXT DRO >C28-C36	<10.0	10.0	12/12/2023	ND					

Surrogate: 1-Chlorooctane *84.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *93.3 %* *49.1-148*

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	12/12/2023	Sampling Date:	12/06/2023
Reported:	12/13/2023	Sampling Type:	Soil
Project Name:	STATE 16 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	2137	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: SW - 2 (1.0') (H236611-10)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2023	ND	2.17	109	2.00	1.73	
Toluene*	<0.050	0.050	12/12/2023	ND	2.14	107	2.00	2.08	
Ethylbenzene*	<0.050	0.050	12/12/2023	ND	2.12	106	2.00	1.88	
Total Xylenes*	<0.150	0.150	12/12/2023	ND	6.73	112	6.00	1.99	
Total BTEX	<0.300	0.300	12/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	12/12/2023	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2023	ND	225	113	200	0.509	
DRO >C10-C28*	<10.0	10.0	12/12/2023	ND	224	112	200	0.157	
EXT DRO >C28-C36	<10.0	10.0	12/12/2023	ND					

Surrogate: 1-Chlorooctane *95.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *109 %* *49.1-148*

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	12/12/2023	Sampling Date:	12/06/2023
Reported:	12/13/2023	Sampling Type:	Soil
Project Name:	STATE 16 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	2137	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: SW - 3 (1.0') (H236611-11)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2023	ND	2.17	109	2.00	1.73	
Toluene*	<0.050	0.050	12/12/2023	ND	2.14	107	2.00	2.08	
Ethylbenzene*	<0.050	0.050	12/12/2023	ND	2.12	106	2.00	1.88	
Total Xylenes*	<0.150	0.150	12/12/2023	ND	6.73	112	6.00	1.99	
Total BTEX	<0.300	0.300	12/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	12/12/2023	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2023	ND	225	113	200	0.509	
DRO >C10-C28*	<10.0	10.0	12/12/2023	ND	224	112	200	0.157	
EXT DRO >C28-C36	<10.0	10.0	12/12/2023	ND					

Surrogate: 1-Chlorooctane *92.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *104 %* *49.1-148*

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	12/12/2023	Sampling Date:	12/06/2023
Reported:	12/13/2023	Sampling Type:	Soil
Project Name:	STATE 16 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	2137	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: SW - 4 (1.0') (H236611-12)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2023	ND	2.17	109	2.00	1.73	
Toluene*	<0.050	0.050	12/12/2023	ND	2.14	107	2.00	2.08	
Ethylbenzene*	<0.050	0.050	12/12/2023	ND	2.12	106	2.00	1.88	
Total Xylenes*	<0.150	0.150	12/12/2023	ND	6.73	112	6.00	1.99	
Total BTEX	<0.300	0.300	12/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	12/12/2023	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2023	ND	225	113	200	0.509	
DRO >C10-C28*	<10.0	10.0	12/12/2023	ND	224	112	200	0.157	
EXT DRO >C28-C36	<10.0	10.0	12/12/2023	ND					

Surrogate: 1-Chlorooctane *82.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *90.3 %* *49.1-148*

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CARDINAL Laboratories

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	12/12/2023	Sampling Date:	12/06/2023
Reported:	12/13/2023	Sampling Type:	Soil
Project Name:	STATE 16 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	2137	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: SW - 5 (1.0') (H236611-13)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2023	ND	2.17	109	2.00	1.73	
Toluene*	<0.050	0.050	12/12/2023	ND	2.14	107	2.00	2.08	
Ethylbenzene*	<0.050	0.050	12/12/2023	ND	2.12	106	2.00	1.88	
Total Xylenes*	<0.150	0.150	12/12/2023	ND	6.73	112	6.00	1.99	
Total BTEX	<0.300	0.300	12/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	12/12/2023	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2023	ND	225	113	200	0.509	
DRO >C10-C28*	<10.0	10.0	12/12/2023	ND	224	112	200	0.157	
EXT DRO >C28-C36	<10.0	10.0	12/12/2023	ND					

Surrogate: 1-Chlorooctane *92.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	12/12/2023	Sampling Date:	12/06/2023
Reported:	12/13/2023	Sampling Type:	Soil
Project Name:	STATE 16 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	2137	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: SW - 6 (4.0') (H236611-14)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2023	ND	2.17	109	2.00	1.73	
Toluene*	<0.050	0.050	12/12/2023	ND	2.14	107	2.00	2.08	
Ethylbenzene*	<0.050	0.050	12/12/2023	ND	2.12	106	2.00	1.88	
Total Xylenes*	<0.150	0.150	12/12/2023	ND	6.73	112	6.00	1.99	
Total BTEX	<0.300	0.300	12/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	12/12/2023	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2023	ND	225	113	200	0.509	
DRO >C10-C28*	<10.0	10.0	12/12/2023	ND	224	112	200	0.157	
EXT DRO >C28-C36	<10.0	10.0	12/12/2023	ND					

Surrogate: 1-Chlorooctane *77.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *83.2 %* *49.1-148*

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	12/12/2023	Sampling Date:	12/06/2023
Reported:	12/13/2023	Sampling Type:	Soil
Project Name:	STATE 16 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	2137	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: SW - 7 (1.0') (H236611-15)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2023	ND	2.17	109	2.00	1.73	
Toluene*	<0.050	0.050	12/12/2023	ND	2.14	107	2.00	2.08	
Ethylbenzene*	<0.050	0.050	12/12/2023	ND	2.12	106	2.00	1.88	
Total Xylenes*	<0.150	0.150	12/12/2023	ND	6.73	112	6.00	1.99	
Total BTEX	<0.300	0.300	12/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	12/12/2023	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2023	ND	225	113	200	0.509	
DRO >C10-C28*	<10.0	10.0	12/12/2023	ND	224	112	200	0.157	
EXT DRO >C28-C36	<10.0	10.0	12/12/2023	ND					

Surrogate: 1-Chlorooctane *84.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.4 %* *49.1-148*

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CARDINAL Laboratories

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	12/12/2023	Sampling Date:	12/06/2023
Reported:	12/13/2023	Sampling Type:	Soil
Project Name:	STATE 16 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	2137	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: SW - 8 (5.0') (H236611-16)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2023	ND	2.17	109	2.00	1.73	
Toluene*	<0.050	0.050	12/12/2023	ND	2.14	107	2.00	2.08	
Ethylbenzene*	<0.050	0.050	12/12/2023	ND	2.12	106	2.00	1.88	
Total Xylenes*	<0.150	0.150	12/12/2023	ND	6.73	112	6.00	1.99	
Total BTEX	<0.300	0.300	12/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	12/12/2023	ND	416	104	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2023	ND	225	113	200	0.509	
DRO >C10-C28*	<10.0	10.0	12/12/2023	ND	224	112	200	0.157	
EXT DRO >C28-C36	<10.0	10.0	12/12/2023	ND					

Surrogate: 1-Chlorooctane *85.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *99.0 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	12/12/2023	Sampling Date:	12/06/2023
Reported:	12/13/2023	Sampling Type:	Soil
Project Name:	STATE 16 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	2137	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: SW - 9 (5.0') (H236611-17)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2023	ND	2.17	109	2.00	1.73	
Toluene*	<0.050	0.050	12/12/2023	ND	2.14	107	2.00	2.08	
Ethylbenzene*	<0.050	0.050	12/12/2023	ND	2.12	106	2.00	1.88	
Total Xylenes*	<0.150	0.150	12/12/2023	ND	6.73	112	6.00	1.99	
Total BTEX	<0.300	0.300	12/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	12/12/2023	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2023	ND	225	113	200	0.509	
DRO >C10-C28*	<10.0	10.0	12/12/2023	ND	224	112	200	0.157	
EXT DRO >C28-C36	<10.0	10.0	12/12/2023	ND					

Surrogate: 1-Chlorooctane *93.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *108 %* *49.1-148*

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	12/12/2023	Sampling Date:	12/06/2023
Reported:	12/13/2023	Sampling Type:	Soil
Project Name:	STATE 16 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	2137	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: SW - 10 (5.0') (H236611-18)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2023	ND	2.17	109	2.00	1.73	
Toluene*	<0.050	0.050	12/12/2023	ND	2.14	107	2.00	2.08	
Ethylbenzene*	<0.050	0.050	12/12/2023	ND	2.12	106	2.00	1.88	
Total Xylenes*	<0.150	0.150	12/12/2023	ND	6.73	112	6.00	1.99	
Total BTEX	<0.300	0.300	12/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	12/12/2023	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2023	ND	225	113	200	0.509	
DRO >C10-C28*	<10.0	10.0	12/12/2023	ND	224	112	200	0.157	
EXT DRO >C28-C36	<10.0	10.0	12/12/2023	ND					

Surrogate: 1-Chlorooctane *95.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *111 %* *49.1-148*

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	12/12/2023	Sampling Date:	12/06/2023
Reported:	12/13/2023	Sampling Type:	Soil
Project Name:	STATE 16 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	2137	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: SW - 11 (5.0') (H236611-19)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2023	ND	2.17	109	2.00	1.73	
Toluene*	<0.050	0.050	12/12/2023	ND	2.14	107	2.00	2.08	
Ethylbenzene*	<0.050	0.050	12/12/2023	ND	2.12	106	2.00	1.88	
Total Xylenes*	<0.150	0.150	12/12/2023	ND	6.73	112	6.00	1.99	
Total BTEX	<0.300	0.300	12/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	12/12/2023	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2023	ND	225	113	200	0.509	
DRO >C10-C28*	<10.0	10.0	12/12/2023	ND	224	112	200	0.157	
EXT DRO >C28-C36	<10.0	10.0	12/12/2023	ND					

Surrogate: 1-Chlorooctane *92.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *106 %* *49.1-148*

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	12/12/2023	Sampling Date:	12/06/2023
Reported:	12/13/2023	Sampling Type:	Soil
Project Name:	STATE 16 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	2137	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: SW - 12 (5.0') (H236611-20)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2023	ND	2.17	109	2.00	1.73	
Toluene*	<0.050	0.050	12/12/2023	ND	2.14	107	2.00	2.08	
Ethylbenzene*	<0.050	0.050	12/12/2023	ND	2.12	106	2.00	1.88	
Total Xylenes*	<0.150	0.150	12/12/2023	ND	6.73	112	6.00	1.99	
Total BTEX	<0.300	0.300	12/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	12/12/2023	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2023	ND	225	113	200	0.509	
DRO >C10-C28*	<10.0	10.0	12/12/2023	ND	224	112	200	0.157	
EXT DRO >C28-C36	<10.0	10.0	12/12/2023	ND					

Surrogate: 1-Chlorooctane *91.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *105 %* *49.1-148*

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	12/12/2023	Sampling Date:	12/06/2023
Reported:	12/13/2023	Sampling Type:	Soil
Project Name:	STATE 16 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	2137	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: SW - 13 (5.0') (H236611-21)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2023	ND	2.17	109	2.00	1.73	
Toluene*	<0.050	0.050	12/12/2023	ND	2.14	107	2.00	2.08	
Ethylbenzene*	<0.050	0.050	12/12/2023	ND	2.12	106	2.00	1.88	
Total Xylenes*	<0.150	0.150	12/12/2023	ND	6.73	112	6.00	1.99	
Total BTEX	<0.300	0.300	12/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	12/12/2023	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2023	ND	225	113	200	0.509	
DRO >C10-C28*	<10.0	10.0	12/12/2023	ND	224	112	200	0.157	
EXT DRO >C28-C36	<10.0	10.0	12/12/2023	ND					

Surrogate: 1-Chlorooctane *87.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *105 %* *49.1-148*

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	12/12/2023	Sampling Date:	12/06/2023
Reported:	12/13/2023	Sampling Type:	Soil
Project Name:	STATE 16 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	2137	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: SW - 14 (5.0') (H236611-22)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2023	ND	2.17	109	2.00	1.73	
Toluene*	<0.050	0.050	12/12/2023	ND	2.14	107	2.00	2.08	
Ethylbenzene*	<0.050	0.050	12/12/2023	ND	2.12	106	2.00	1.88	
Total Xylenes*	<0.150	0.150	12/12/2023	ND	6.73	112	6.00	1.99	
Total BTEX	<0.300	0.300	12/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	12/12/2023	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2023	ND	225	113	200	0.509	
DRO >C10-C28*	<10.0	10.0	12/12/2023	ND	224	112	200	0.157	
EXT DRO >C28-C36	<10.0	10.0	12/12/2023	ND					

Surrogate: 1-Chlorooctane *88.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	12/12/2023	Sampling Date:	12/06/2023
Reported:	12/13/2023	Sampling Type:	Soil
Project Name:	STATE 16 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	2137	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: SW - 15 (5.0') (H236611-23)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2023	ND	2.17	109	2.00	1.73	
Toluene*	<0.050	0.050	12/12/2023	ND	2.14	107	2.00	2.08	
Ethylbenzene*	<0.050	0.050	12/12/2023	ND	2.12	106	2.00	1.88	
Total Xylenes*	<0.150	0.150	12/12/2023	ND	6.73	112	6.00	1.99	
Total BTEX	<0.300	0.300	12/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	12/12/2023	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2023	ND	225	113	200	0.509	
DRO >C10-C28*	<10.0	10.0	12/12/2023	ND	224	112	200	0.157	
EXT DRO >C28-C36	<10.0	10.0	12/12/2023	ND					

Surrogate: 1-Chlorooctane *88.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *99.5 %* *49.1-148*

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	12/12/2023	Sampling Date:	12/06/2023
Reported:	12/13/2023	Sampling Type:	Soil
Project Name:	STATE 16 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	2137	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: SW - 16 (5.0') (H236611-24)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2023	ND	2.17	109	2.00	1.73	
Toluene*	<0.050	0.050	12/12/2023	ND	2.14	107	2.00	2.08	
Ethylbenzene*	<0.050	0.050	12/12/2023	ND	2.12	106	2.00	1.88	
Total Xylenes*	<0.150	0.150	12/12/2023	ND	6.73	112	6.00	1.99	
Total BTEX	<0.300	0.300	12/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	12/12/2023	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/13/2023	ND	225	113	200	0.509	
DRO >C10-C28*	<10.0	10.0	12/13/2023	ND	224	112	200	0.157	
EXT DRO >C28-C36	<10.0	10.0	12/13/2023	ND					

Surrogate: 1-Chlorooctane *81.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *92.0 %* *49.1-148*

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	12/12/2023	Sampling Date:	12/06/2023
Reported:	12/13/2023	Sampling Type:	Soil
Project Name:	STATE 16 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	2137	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: SW - 17 (5.0') (H236611-25)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2023	ND	2.02	101	2.00	0.548	
Toluene*	<0.050	0.050	12/12/2023	ND	2.06	103	2.00	0.264	
Ethylbenzene*	<0.050	0.050	12/12/2023	ND	2.07	103	2.00	0.318	
Total Xylenes*	<0.150	0.150	12/12/2023	ND	6.11	102	6.00	0.268	
Total BTEX	<0.300	0.300	12/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *112 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	12/12/2023	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/13/2023	ND	225	113	200	0.509	
DRO >C10-C28*	**239**	10.0	12/13/2023	ND	224	112	200	0.157	
EXT DRO >C28-C36	**245**	10.0	12/13/2023	ND					

Surrogate: 1-Chlorooctane *72.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *57.8 %* *49.1-148*

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	12/12/2023	Sampling Date:	12/06/2023
Reported:	12/13/2023	Sampling Type:	Soil
Project Name:	STATE 16 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	2137	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: SW - 18 (5.0') (H236611-26)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2023	ND	2.02	101	2.00	0.548	
Toluene*	<0.050	0.050	12/12/2023	ND	2.06	103	2.00	0.264	
Ethylbenzene*	<0.050	0.050	12/12/2023	ND	2.07	103	2.00	0.318	
Total Xylenes*	<0.150	0.150	12/12/2023	ND	6.11	102	6.00	0.268	
Total BTEX	<0.300	0.300	12/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	12/12/2023	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2023	ND	190	95.1	200	0.713	
DRO >C10-C28*	**135**	10.0	12/12/2023	ND	175	87.4	200	1.13	
EXT DRO >C28-C36	**162**	10.0	12/12/2023	ND					

Surrogate: 1-Chlorooctane *65.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *71.0 %* *49.1-148*

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	12/12/2023	Sampling Date:	12/06/2023
Reported:	12/13/2023	Sampling Type:	Soil
Project Name:	STATE 16 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	2137	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: SW - 19 (5.0') (H236611-27)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2023	ND	2.02	101	2.00	0.548	
Toluene*	<0.050	0.050	12/12/2023	ND	2.06	103	2.00	0.264	
Ethylbenzene*	<0.050	0.050	12/12/2023	ND	2.07	103	2.00	0.318	
Total Xylenes*	<0.150	0.150	12/12/2023	ND	6.11	102	6.00	0.268	
Total BTEX	<0.300	0.300	12/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	12/12/2023	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2023	ND	190	95.1	200	0.713	
DRO >C10-C28*	**128**	10.0	12/12/2023	ND	175	87.4	200	1.13	
EXT DRO >C28-C36	**169**	10.0	12/12/2023	ND					

Surrogate: 1-Chlorooctane *70.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *75.3 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H236611

Page 1 of 3

Project Manager:	Conner Moehring	Bill to: (if different)	Todd Wells
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	(432) 813-6823	Email:	Todd_Wells@eogresources.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:	State 16 Battery	Turn Around	
Project Number:	2137	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date:	24 HR
Sampler's Name:	FV		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Received Intact:	Yes No	Thermometer ID:	140	
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-1.4	
Total Containers:		Corrected Temperature:		

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	Sample Comments
CS-1 (1.0')	12/6/2023		X		Comp	1	x	x	x	1
CS-2 (1.0')	12/6/2023		X		Comp	1	x	x	x	2
CS-3 (5.0')	12/6/2023		X		Comp	1	x	x	x	3
CS-4 (5.0')	12/6/2023		X		Comp	1	x	x	x	4
CS-5 (5.0')	12/6/2023		X		Comp	1	x	x	x	5
CS-6 (5.0')	12/6/2023		X		Comp	1	x	x	x	6
CS-7 (5.0')	12/6/2023		X		Comp	1	x	x	x	7
CS-8 (5.0')	12/6/2023		X		Comp	1	x	x	x	8
SW-1 (1.0')	12/6/2023		X		Comp	1	x	x	x	9
SW-2 (1.0')	12/6/2023		X		Comp	1	x	x	x	10

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com and Devin Dominguez / Ddominguez@carmonaresources.com

TEMP BLANK: -6.0 SR

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Ariana Nieves	12-12-23 0943	SRodriguez	

Chain of Custody

Work Order No: H236611

Page 2 of 3

Project Manager:	Conner Moehring	Bill to: (if different)	Todd Wells
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	(432) 813-6823	Email:	Todd_Wells@eogresources.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:	State 16 Battery	Turn Around	☐ Routine ☑ Rush
Project Number:	2137	Due Date:	24 HR
Project Location	Lea County, New Mexico		
Sampler's Name:	FV		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	140
Cooler Custody Seals:	Yes No N/A	Correction Factor:	—
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-1.4
Total Containers:		Corrected Temperature:	—

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	Sample Comments
SW-3 (1.0')	12/6/2023		X		Comp	1	x	x	x	11
SW-4 (1.0')	12/6/2023		X		Comp	1	x	x	x	12
SW-5 (1.0')	12/6/2023		X		Comp	1	x	x	x	13
SW-6 (4.0')	12/6/2023		X		Comp	1	x	x	x	14
SW-7(1.0')	12/6/2023		X		Comp	1	x	x	x	15
SW-8 (5.0')	12/6/2023		X		Comp	1	x	x	x	16
SW-9 (5.0')	12/6/2023		X		Comp	1	x	x	x	17
SW-10 (5.0')	12/6/2023		X		Comp	1	x	x	x	18
SW-11 (5.0')	12/6/2023		X		Comp	1	x	x	x	19
SW-12 (5.0')	12/6/2023		X		Comp	1	x	x	x	20

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com and Devin Dominguez / Ddominguez@carmonaresources.com

TEMP BLANK: -6.0: SR

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	12.12.23 0943		

Chain of Custody

Work Order No: H236611

Page 3 of 3

Project Manager:	Conner Moehring	Bill to: (if different)	Todd Wells
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	(432) 813-6823	Email:	Todd_Wells@eogresources.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:	State 16 Battery	Turn Around	
Project Number:	2137	☐ Routine ☑ Rush	
Project Location	Lea County, New Mexico	Due Date:	24 HR
Sampler's Name:	FV		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	140
Cooler Custody Seals:	Yes No N/A	Correction Factor:	—
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-1.4
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	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	Sample Comments
SW-13 (5.0')	12/6/2023		X		Comp	1		x	x	x	21
SW-14 (5.0')	12/6/2023		X		Comp	1		x	x	x	22
SW-15 (5.0')	12/6/2023		X		Comp	1		x	x	x	23
SW-16 (5.0')	12/6/2023		X		Comp	1		x	x	x	24
SW-17 (5.0')	12/6/2023		X		Comp	1		x	x	x	25
SW-18 (5.0')	12/6/2023		X		Comp	1		x	x	x	26
SW-19 (5.0')	12/6/2023		X		Comp	1		x	x	x	27

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com and Devin Dominguez / Ddominguez@carmonaresources.com

TEMP BLANK: -4.0: SR

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	12-12-23 0943		

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

December 14, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: STATE 16 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 12/13/23 13:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	12/13/2023	Sampling Date:	12/13/2023
Reported:	12/14/2023	Sampling Type:	Soil
Project Name:	STATE 16 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	2137	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: CS - 8 (5.5') (H236657-01)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2023	ND	2.02	101	2.00	1.48	
Toluene*	<0.050	0.050	12/13/2023	ND	2.11	105	2.00	2.19	
Ethylbenzene*	<0.050	0.050	12/13/2023	ND	2.10	105	2.00	1.69	
Total Xylenes*	<0.150	0.150	12/13/2023	ND	6.34	106	6.00	1.32	
Total BTEX	<0.300	0.300	12/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	12/14/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2023	ND	218	109	200	9.94	
DRO >C10-C28*	**166**	10.0	12/14/2023	ND	222	111	200	6.36	
EXT DRO >C28-C36	**174**	10.0	12/14/2023	ND					

Surrogate: 1-Chlorooctane *114 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *146 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	12/13/2023	Sampling Date:	12/13/2023
Reported:	12/14/2023	Sampling Type:	Soil
Project Name:	STATE 16 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	2137	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: SW - 17 (5.5') (H236657-02)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2023	ND	2.02	101	2.00	1.48	
Toluene*	<0.050	0.050	12/13/2023	ND	2.11	105	2.00	2.19	
Ethylbenzene*	<0.050	0.050	12/13/2023	ND	2.10	105	2.00	1.69	
Total Xylenes*	<0.150	0.150	12/13/2023	ND	6.34	106	6.00	1.32	
Total BTEX	<0.300	0.300	12/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/14/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2023	ND	218	109	200	9.94	
DRO >C10-C28*	**149**	10.0	12/14/2023	ND	222	111	200	6.36	
EXT DRO >C28-C36	**174**	10.0	12/14/2023	ND					

Surrogate: 1-Chlorooctane *112 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *143 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	12/13/2023	Sampling Date:	12/13/2023
Reported:	12/14/2023	Sampling Type:	Soil
Project Name:	STATE 16 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	2137	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: SW - 18 (5.5') (H236657-03)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2023	ND	2.02	101	2.00	1.48	
Toluene*	<0.050	0.050	12/13/2023	ND	2.11	105	2.00	2.19	
Ethylbenzene*	<0.050	0.050	12/13/2023	ND	2.10	105	2.00	1.69	
Total Xylenes*	<0.150	0.150	12/13/2023	ND	6.34	106	6.00	1.32	
Total BTEX	<0.300	0.300	12/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/14/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2023	ND	218	109	200	9.94	
DRO >C10-C28*	**155**	10.0	12/14/2023	ND	222	111	200	6.36	
EXT DRO >C28-C36	**185**	10.0	12/14/2023	ND					

Surrogate: 1-Chlorooctane *106 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *134 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	12/13/2023	Sampling Date:	12/13/2023
Reported:	12/14/2023	Sampling Type:	Soil
Project Name:	STATE 16 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	2137	Sample Received By:	Shalyn Rodriguez
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: SW - 19 (5.5') (H236657-04)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/13/2023	ND	2.02	101	2.00	1.48	
Toluene*	<0.050	0.050	12/13/2023	ND	2.11	105	2.00	2.19	
Ethylbenzene*	<0.050	0.050	12/13/2023	ND	2.10	105	2.00	1.69	
Total Xylenes*	<0.150	0.150	12/13/2023	ND	6.34	106	6.00	1.32	
Total BTEX	<0.300	0.300	12/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *119 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/14/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2023	ND	218	109	200	9.94	
DRO >C10-C28*	**152**	10.0	12/14/2023	ND	222	111	200	6.36	
EXT DRO >C28-C36	**184**	10.0	12/14/2023	ND					

Surrogate: 1-Chlorooctane *106 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *136 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H236657-

Page 1 of 1

Project Manager:	Conner Moehring	Bill to: (if different)	Todd Wells
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	(432) 813-6823	Email:	Todd_Wells@eogresources.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:	State 16 Battery	Turn Around	☐ Routine ☑ Rush
Project Number:	2137	Due Date:	24 HR
Project Location	Lea County, New Mexico		
Sampler's Name:	FV		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	140
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	—
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:	5.4
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	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	Sample Comments
CS-8 (5.5')	12/13/2023		X		Comp	1		x	x	x	1
SW-17 (5.5')	12/13/2023		X		Comp	1		x	x	x	2
SW-18 (5.5')	12/13/2023		X		Comp	1		x	x	x	3
SW-19 (5.5')	12/13/2023		X		Comp	1		x	x	x	4

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com and Devin Dominguez / Ddominguez@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Fabian Vargas	12-13-23 1330	S Rodriguez	

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

December 18, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: STATE 16 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 12/15/23 8:54.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	12/15/2023	Sampling Date:	12/14/2023
Reported:	12/18/2023	Sampling Type:	Soil
Project Name:	STATE 16 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	2137	Sample Received By:	Dionica Hinojos
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: CS - 8 (5.75') (H236687-01)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2023	ND	1.78	88.8	2.00	19.6	
Toluene*	<0.050	0.050	12/15/2023	ND	1.74	87.1	2.00	19.8	
Ethylbenzene*	<0.050	0.050	12/15/2023	ND	1.72	85.8	2.00	20.2	
Total Xylenes*	<0.150	0.150	12/15/2023	ND	5.59	93.2	6.00	17.7	
Total BTEX	<0.300	0.300	12/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	12/15/2023	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2023	ND	211	106	200	10.5	
DRO >C10-C28*	<10.0	10.0	12/15/2023	ND	207	104	200	9.94	
EXT DRO >C28-C36	<10.0	10.0	12/15/2023	ND					

Surrogate: 1-Chlorooctane *85.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *99.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	12/15/2023	Sampling Date:	12/14/2023
Reported:	12/18/2023	Sampling Type:	Soil
Project Name:	STATE 16 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	2137	Sample Received By:	Dionica Hinojos
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: SW - 17 (5.75') (H236687-02)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2023	ND	1.78	88.8	2.00	19.6	
Toluene*	<0.050	0.050	12/15/2023	ND	1.74	87.1	2.00	19.8	
Ethylbenzene*	<0.050	0.050	12/15/2023	ND	1.72	85.8	2.00	20.2	
Total Xylenes*	<0.150	0.150	12/15/2023	ND	5.59	93.2	6.00	17.7	
Total BTEX	<0.300	0.300	12/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	12/15/2023	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2023	ND	211	106	200	10.5	
DRO >C10-C28*	<10.0	10.0	12/15/2023	ND	207	104	200	9.94	
EXT DRO >C28-C36	<10.0	10.0	12/15/2023	ND					

Surrogate: 1-Chlorooctane *79.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *90.5 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	12/15/2023	Sampling Date:	12/14/2023
Reported:	12/18/2023	Sampling Type:	Soil
Project Name:	STATE 16 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	2137	Sample Received By:	Dionica Hinojos
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: SW - 18 (5.75') (H236687-03)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2023	ND	1.78	88.8	2.00	19.6	
Toluene*	<0.050	0.050	12/15/2023	ND	1.74	87.1	2.00	19.8	
Ethylbenzene*	<0.050	0.050	12/15/2023	ND	1.72	85.8	2.00	20.2	
Total Xylenes*	<0.150	0.150	12/15/2023	ND	5.59	93.2	6.00	17.7	
Total BTEX	<0.300	0.300	12/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/15/2023	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2023	ND	211	106	200	10.5	
DRO >C10-C28*	<10.0	10.0	12/15/2023	ND	207	104	200	9.94	
EXT DRO >C28-C36	<10.0	10.0	12/15/2023	ND					

Surrogate: 1-Chlorooctane *85.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
CONNER MOEHRING
310 W WALL ST SUITE 415
MIDLAND TX, 79701
Fax To:

Received:	12/15/2023	Sampling Date:	12/14/2023
Reported:	12/18/2023	Sampling Type:	Soil
Project Name:	STATE 16 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	2137	Sample Received By:	Dionica Hinojos
Project Location:	EOG - LEA COUNTY, NEW MEXICO		

Sample ID: SW - 19 (5.75') (H236687-04)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2023	ND	1.78	88.8	2.00	19.6	
Toluene*	<0.050	0.050	12/15/2023	ND	1.74	87.1	2.00	19.8	
Ethylbenzene*	<0.050	0.050	12/15/2023	ND	1.72	85.8	2.00	20.2	
Total Xylenes*	<0.150	0.150	12/15/2023	ND	5.59	93.2	6.00	17.7	
Total BTEX	<0.300	0.300	12/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/15/2023	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2023	ND	211	106	200	10.5	
DRO >C10-C28*	<10.0	10.0	12/15/2023	ND	207	104	200	9.94	
EXT DRO >C28-C36	<10.0	10.0	12/15/2023	ND					

Surrogate: 1-Chlorooctane *75.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *88.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H236687

Page 1 of 1

Project Manager:	Conner Moehring	Bill to: (if different)	Todd Wells
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	(432) 813-6823	Email:	Todd_Wells@eogresources.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:	State 16 Battery	Turn Around	
Project Number:	2137	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date:	24 HR
Sampler's Name:	FV		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	140
Cooler Custody Seals:	Yes No N/A	Correction Factor:	—
Sample Custody Seals:	Yes No N/A	Temperature Reading:	2.1°C
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	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	Sample Comments
1	CS-8 (5.75')	12/14/2023		X		Comp	1		x	x	x	
2	SW-17 (5.75')	12/14/2023		X		Comp	1		x	x	x	
3	SW-18 (5.75')	12/14/2023		X		Comp	1		x	x	x	
4	SW-19 (5.75')	12/14/2023		X		Comp	1		x	x	x	

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com and Devin Dominguez / Ddominguez@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	12/15/23 8:54		12-15-23 8:54

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

QUESTIONS

Action 356031

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 356031
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2325835983**
Incident Name	**NAPP2325835983 STATE 16 BATTERY @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Closure Report Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	STATE 16 BATTERY
Date Release Discovered	09/11/2023
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Equipment Failure | Pump | Produced Water | Released: 127 BBL | Recovered: 1 BBL | Lost: 126 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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Santa Fe, NM 87505

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 356031
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

I hereby agree and sign off to the above statement	Name: Todd Wells Title: Safety and Environmental Specialist Email: Todd_Wells@eogresources.com Date: 06/19/2024

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QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 356031
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	2970
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	9250
GRO+DRO (EPA SW-846 Method 8015M)	9250
BTEX (EPA SW-846 Method 8021B or 8260B)	3.7
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	12/05/2023
On what date will (or did) the final sampling or liner inspection occur	12/06/2023
On what date will (or was) the remediation complete(d)	12/18/2023
What is the estimated surface area (in square feet) that will be reclaimed	650
What is the estimated volume (in cubic yards) that will be reclaimed	340
What is the estimated surface area (in square feet) that will be remediated	985
What is the estimated volume (in cubic yards) that will be remediated	340
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 356031
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Todd Wells Title: Safety and Environmental Specialist Email: Todd_Wells@eogresources.com Date: 06/19/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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District II
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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

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 356031
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 356031
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**331849**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**12/14/2023**
What was the (estimated) number of samples that were to be gathered	**4**
What was the sampling surface area in square feet	**600**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	985
What was the total volume (cubic yards) remediated	340
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	650
What was the total volume (in cubic yards) reclaimed	340
Summarize any additional remediation activities not included by answers (above)	na

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

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

I hereby agree and sign off to the above statement	Name: Todd Wells Title: Safety and Environmental Specialist Email: Todd_Wells@eogresources.com Date: 06/19/2024

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QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 356031
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 356031

CONDITIONS

Operator:	OGRID:
EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	7377
	Action Number: 356031
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	7/3/2024
scott.rodgers	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	7/3/2024