

CARMONA RESOURCES



SITE INFORMATION

Work Plan
Beowulf Riser
Lea County, New Mexico
Incident ID: NAPP2313133324
Unit M Sec 33 T23S R35E
32.254211°, -103.377026°

Produced Water Release
Point of Release: Riser Gasket Failure
Release Date: 04/26/2023
Volume Released: 80 barrels of Produced Water
Volume Recovered: 30 barrels of Produced Water

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

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

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



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August 16, 2023

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

**Re: Work Plan
Beowulf Riser
EOG Resources, Inc
Incident # NAPP2313133324
Site Location: Unit M, S33, T23S, R35E
(Lat 32.254211°, Long -103.377026°)
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 site activities for the Beowulf Riser. The site is located at 32.254211°, -103.377026° within Unit M, S33, T23S, R35E, 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 from a gasket failure on the riser on April 26, 2023. It resulted in the release of eighty (80) barrels of produced water and occurred on the pad and pastureland. There were thirty (30) barrels recovered. Refer to 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 1.30 miles Northwest of the site in S32, T23S, R35E, and was drilled in 1986. The well has a reported depth to groundwater of 329.15' below ground surface (ft bgs). A copy of the associated Summary report is attached in Appendix D.

On June 8, 2023, Carmona Resources, LLC was onsite to drill a groundwater determination bore to 80' below ground surface within a 0.50-mile radius of the location. The groundwater determination bore is located approximately 0.01 miles south of the site at 32.254020°, -103.376187° in S33, T23S, and R35E. The bore was left open for 72 hours and tagged with a water level meter. The bore has shown no signs of water at a depth of 80' below the ground surface (bgs). A copy of the groundwater determination bore log is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.

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- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO + DRO).
- Chloride: 10,000 mg/kg.

4.0 Site Assessment Activities

Initial Assessment

On May 11, 2023, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. Sixteen (16) soil samples and fifteen (15) horizontal samples were advanced to depths ranging from the surface to 4' bgs inside the release area to assess the vertical extent. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

See Table 1 for the analytical results.

Vertical Delineation

Vertical delineation was achieved for the areas of S-1 through S-6, S-8, S-9, S-13, and S-16. The areas of S-7, S-10, S-11, S-12, S-14, and S-15 were not delineated vertically due to the dense, cemented geological formation at 4' bgs. A track hoe will be utilized during the remediation activities to break through and remove the impacted material. Refer to Table 1.

Horizontal Delineation

All areas were below the regulatory limits for benzene, total BTEX, TPH, and chloride concentrations, except for H-12. Horizontal samples that exceed regulatory limits will be removed during remediation. Refer to Table 1 and Figure 4.

5.0 Proposed Work Plan

Based on the analytical data of the detected TPH and chloride concentrations, EOG proposes to remediate the areas shown in Figure 4 and highlighted (blue) in Table 1.

- The areas of S-7 and S-11 will be excavated to a depth of 2.5' below the surface and backfilled with clean material to surface grade.
- The area of S-13 will be excavated to a depth of 3.0' below the surface and backfilled with clean material to surface grade.
- The areas of S-9 and S-16 will be excavated to a depth of 4.0' below the surface and backfilled with clean material to surface grade.
- The areas S-10, S-12, S-14, and S-15 will be excavated to a depth of 4.5' below the surface

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and backfilled with clean material to surface grade.

- The area of H-12 will be extended during remediation activities and re-collected.
- An estimated 4,601 cubic yards will be removed and hauled to the nearest disposal based on the maximum depth.
- A variance is requested per 19.15.29.14. A NMAC, Five-point composite bottom floor hole, and sidewall samples will be collected every 500 square feet to represent the release area.
- Once the site activities and excavation are complete, the areas will be backfilled with clean material to surface grade. The remediation will be implemented 90 days after the work plan is approved.
- Impacted soil around oil and gas equipment, structures, or lines may not be removed during remediation activities due to safety concerns for the onsite personnel. However, EOG Resources will excavate the impacted soils to the maximum extent possible.

6.0 Conclusions

Upon completion, a final closure report describing the remediation activities will be presented to the New Mexico Oil Conservation Division (NMOCD). 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

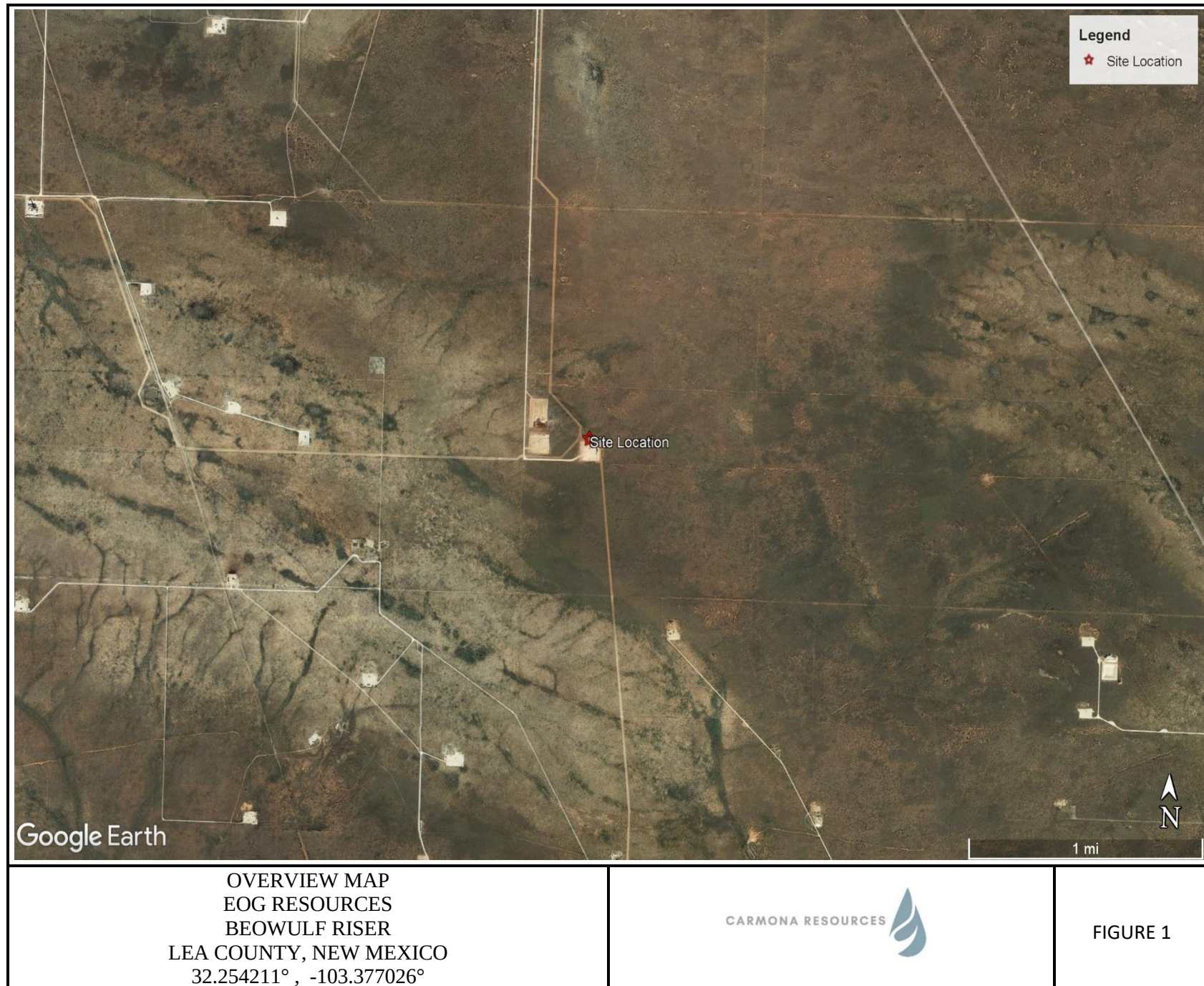
Conner Moehring
Sr. Project Manager

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FIGURES

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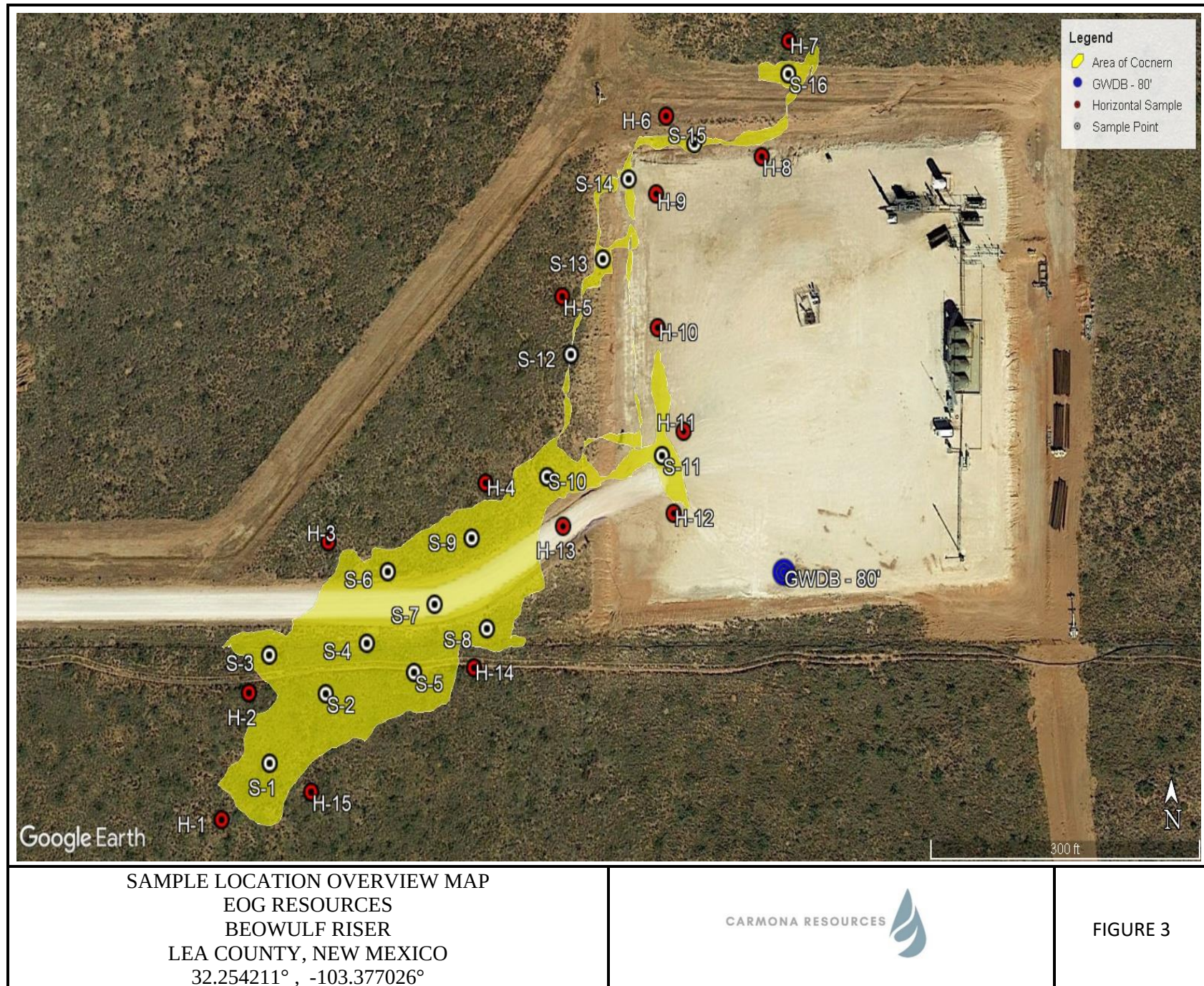


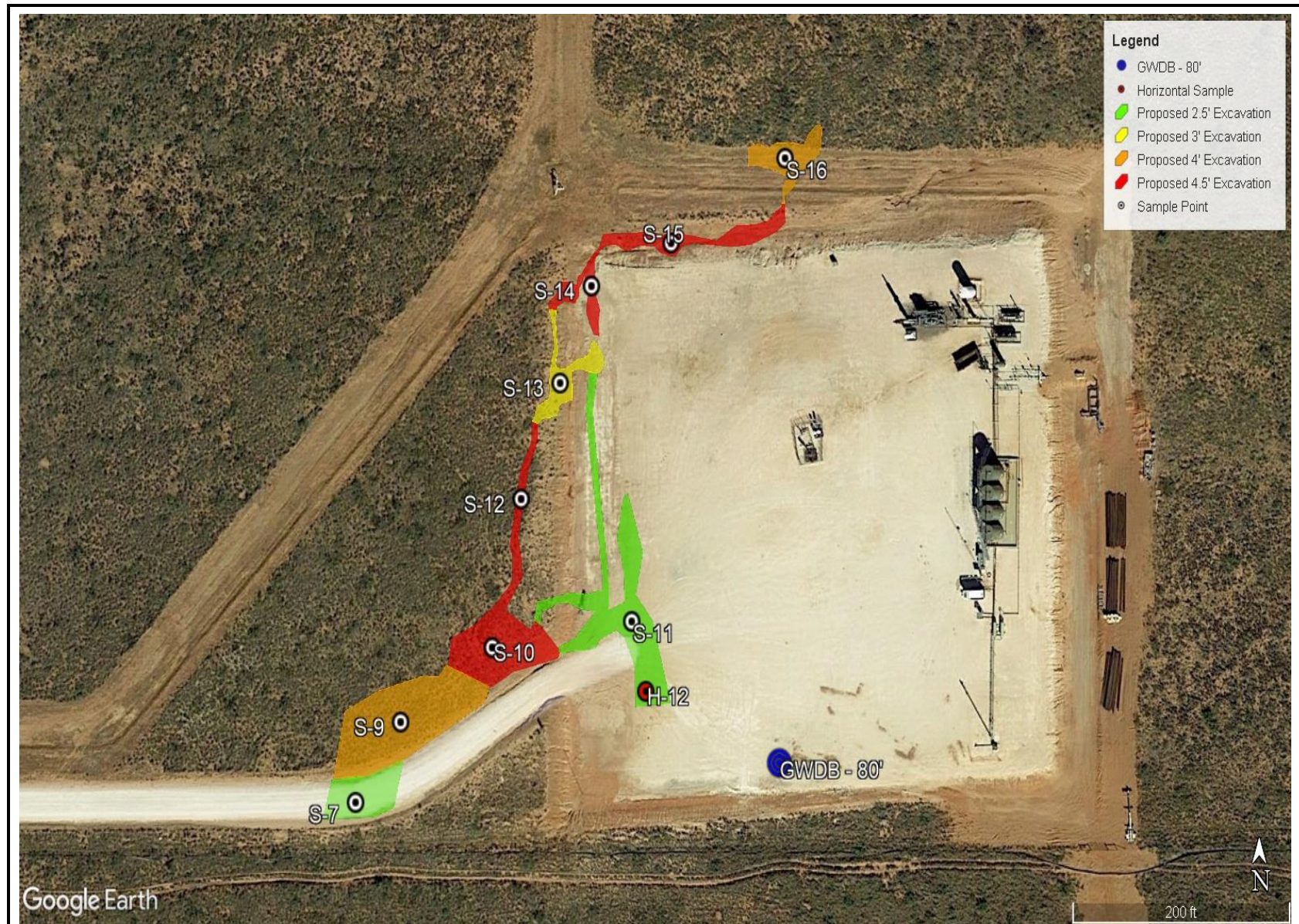




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FIGURE 2





PROPOSED EXCAVATION DEPTH MAP
EOG RESOURCES
BEOWULF RISER
LEA COUNTY, NEW MEXICO
32.254211° , -103.377026°



FIGURE 4

APPENDIX A

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Table 1
EOG Resources
Beowulf 33 State CTB
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	5/11/2023	0-1	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	73.1
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	50.9
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	49.8
	"	3	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	45.9
S-2	5/11/2023	0-1	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	65.4
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	69.8
	"	2	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	75.9
	"	3	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	60.2
S-3	5/11/2023	0-1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	54.9
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	41.2
	"	2	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	49.5
	"	3	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	50.7
	"	4	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	64.7
S-4	5/11/2023	0-1	<50.0	<50.0	<50.0	<50.0	<0.00199	0.00268	<0.00199	<0.00398	<0.00398	62.8
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	40.2
	"	2	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	46.0
	"	3	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	51.7
	"	3.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	68.6
S-5	5/11/2023	0-1	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	44.8
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	36.1
	"	2	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	69.6
	"	3	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	75.0
S-6	5/11/2023	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	52.7
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	62.1
	"	2	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	65.5
	"	3	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	57.9
S-7	5/11/2023	0-1	<49.8	3,150	361	3,510	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,260
	"	1.5	<50.0	336	<50.0	336	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	426
S-8	5/11/2023	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	54.5
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	37.7
	"	2	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	51.1
	"	3	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	53.2
Regulatory Criteria ^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) Not Analyzed
^A – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(S) Sample Point
 Proposed Excavation

Table 1
EOG Resources
Beowulf 33 State CTB
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-9	5/11/2023	0-1	334	8,840	1,060	10,200	<0.101	<0.101	1.78	9.03	10.8	2,550
	"	1.5	208	3,620	365	4,190	<0.0996	0.129	1.75	10.4	12.3	274
	"	2	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	128
	"	3	<50.0	670	95.7	766	<0.0399	0.0565	0.125	0.835	1.02	316
	"	4	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	0.00205	0.0132	0.0153	137
S-10	5/11/2023	0-1	2,790	17,400	2,120	22,300	33.2	225	154	530	942	21,500
	"	1.5	634	1,730	167	2,530	0.560	26.4	19.3	52.0	98.3	4,750
	"	2	109	425	<50.0	534	<0.0501	0.696	1.01	3.36	5.06	5,290
	"	3	<49.9	<49.9	<49.9	<49.9	<0.00201	0.0243	0.0158	0.0653	0.105	3,080
	"	4	<49.9	<49.9	<49.9	<49.9	<0.00199	0.00824	0.00538	0.0220	0.0357	2,340
S-11	5/11/2023	0-1	1,480	26,100	3,380	31,000	0.00239	0.0443	0.0576	0.266	0.370	3,690
	"	1.5	<49.8	570	68.8	639	<0.00200	0.00572	0.00358	0.129	0.138	344
S-12	5/11/2023	0-1	2,840	9,260	1,050	13,200	2.32	89.2	53.4	155	300	3,980
	"	1.5	1,660	4,210	461	6,330	2.48	88.5	52.8	133	276	5,580
	"	2	140	1,620	256	2,020	0.167	3.42	3.38	10.8	17.8	6,180
	"	3	<50.0	688	92.7	781	<0.0994	0.886	0.813	2.88	4.58	6,460
	"	4	<50.0	375	<50.0	375	<0.0998	0.309	0.216	0.700	1.23	6,810
S-13	5/11/2023	0-1	1,190	4,910	537	6,640	0.118	20.4	24.3	88.8	134	1,950
	"	1.5	<50.0	211	<50.0	211	<0.00200	0.00396	0.00500	0.0175	0.0264	249
	"	2	<50.0	153	<50.0	153	<0.00199	0.00645	0.00730	0.0268	0.0406	175
	"	3	<50.0	90.6	<50.0	90.6	<0.00199	0.00239	0.00255	0.0142	0.0192	150
	"	4	<49.8	59.4	<49.8	59.4	<0.00200	0.00314	0.00227	0.00706	0.0125	128
S-14	5/11/2023	0-1	<50.0	53.5	<50.0	53.5	<0.00201	0.00336	<0.00201	<0.00402	0.00604	6,170
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00202	0.00268	<0.00202	<0.00403	<0.00403	4,770
	"	2	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,500
	"	3	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,660
	"	4	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,090
S-15	5/11/2023	0-1	<49.9	19,000	2,370	21,400	<0.0990	0.520	2.43	10.6	13.6	3,860
	"	1.5	<49.9	64.4	<49.9	64.4	<0.00198	0.00636	0.00858	0.0305	0.0454	7,040
	"	2	<49.9	74.7	<49.9	74.7	<0.00201	0.00406	0.00308	0.0123	0.0195	6,200
	"	3	<50.0	<50.0	<50.0	<50.0	<0.00202	0.00856	0.00900	0.0203	0.0379	5,440
	"	4	<50.0	<50.0	<50.0	<50.0	<0.00199	0.00549	0.00309	0.00896	0.0175	5,770
S-16	5/11/2023	0-1	986	15,000	<500	16,000	<0.199	7.16	10.8	35.5	53.5	9,640
	"	1.5	3,130	5,810	<250	8,940	0.513	64.1	59.3	217	341	565
	"	2	2, 370	3,880	<250	6,250	0.420	41.9	42.9	152	237	117
	"	3	59.8	230	<49.8	290	0.0574	0.557	0.407	1.17	2.19	170
	"	4	<49.8	65.2	<49.8	65.2	<0.00200	0.00308	0.00309	0.0105	0.0166	95.2
Regulatory Criteria ^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) Not Analyzed
^A – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(S) Sample Point
Proposed Excavation

Table 1
EOG Resources
Beowulf 33 State CTB
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	5/11/2023	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	56.9
H-2	5/11/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	54.4
H-3	5/11/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	91.5
H-4	5/11/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	450
H-5	5/11/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	0.00479	0.00388	0.0211	0.0298	53.5
H-6	5/11/2023	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00199	0.00399	<0.00199	<0.00398	0.00399	41.4
H-7	5/11/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	39.3
H-8	5/11/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	374
H-9	5/11/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	419
H-10	5/11/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	329
H-11	5/11/2023	0-0.5	<49.8	99.9	<49.8	99.9	<0.00199	0.0142	0.00796	0.0275	0.0497	461
H-12	5/11/2023	0-0.5	<49.9	247	<49.9	247	0.0102	0.270	0.0969	0.284	0.661	249
H-13	5/11/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00201	0.0175	0.00730	0.0235	0.0483	36.5
H-14	5/11/2023	0-0.5	<50.0	97.1	<50.0	97.1	<0.00199	0.00605	<0.00199	0.00681	0.0129	51.2
H-15	5/11/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	47.9
Regulatory Criteria ^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

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

Proposed Excavation

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

EOG Resources, Inc

Photograph No. 1

Facility: Beowulf Riser

County: Lea County, New Mexico

Description:

View Southeast, areas of S-1-S-5.



Photograph No. 2

Facility: Beowulf Riser

County: Lea County, New Mexico

Description:

View East, areas of S-6-S-7.



Photograph No. 3

Facility: Beowulf Riser

County: Lea County, New Mexico

Description:

View Northwest, area of S-6 and S-9.



PHOTOGRAPHIC LOG

EOG Resources, Inc

Photograph No. 4

Facility: Beowulf Riser

County: Lea County, New Mexico

Description:

View West, Area of S-10



Photograph No. 5

Facility: Beowulf Riser

County: Lea County, New Mexico

Description:

View North, area of S-11.



Photograph No. 6

Facility: Beowulf Riser

County: Lea County, New Mexico

Description:

View North, area of S-12.



PHOTOGRAPHIC LOG

EOG Resources, Inc

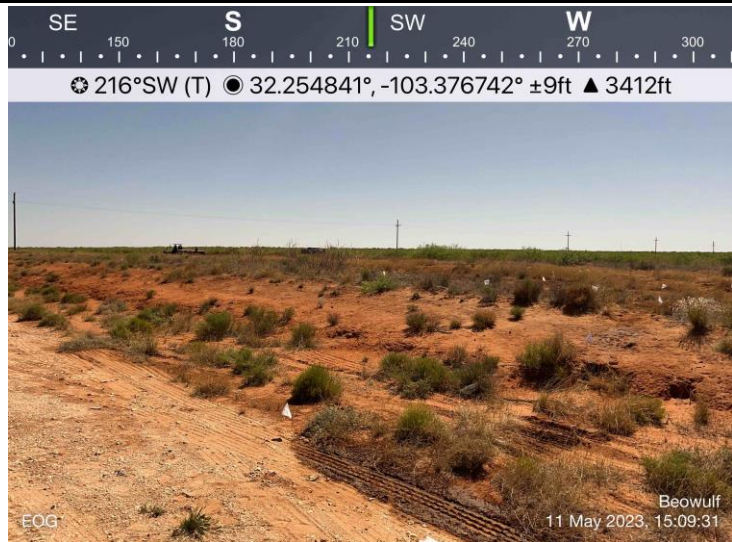
Photograph No. 7

Facility: Beowulf Riser

County: Lea County, New Mexico

Description:

View Southwest, Area of S-13.



Photograph No. 8

Facility: Beowulf Riser

County: Lea County, New Mexico

Description:

View West, Area of S-14 and S-15.



Photograph No. 9

Facility: Beowulf Riser

County: Lea County, New Mexico

Description:

View North, Area of S-16.



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	nAPP2313133324
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) nAPP2313133324
Contact mailing address 5509 Champions Drive Midland, TX 79706	

Location of Release Source

Latitude 32.254211° Longitude -103.377026°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Beowulf Riser	Site Type WGS Pipeline Riser
Date Release Discovered 4/26/23	API# (if applicable)

Unit Letter	Section	Township	Range	County
M	33	23S	35E	Lea

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

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) 80	Volume Recovered (bbls) 30
	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 gasket on the riser failed at the valve and flange allowing produced water to spray out of the line. This released approximately 80 bbls of produced water in the pasture and across the pad with 30 bbls recovered.

Incident ID	NAPP2313133324
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 4/27/23.	

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 <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Todd Wells</u>	Title: <u>Environmental Specialist</u>
Signature: <u>Todd Wells</u>	Date: <u>5-11-23</u>
email: <u>Todd_Wells@eogresources.com</u>	Telephone: <u>(432) 686-3613</u>
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>05/11/2023</u>

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Todd Wells Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells Date: 8/17/2023

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

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

Printed Name: _____ Title: _____

Signature: Todd Wells Date: 8/17/23

email: _____ Telephone: _____

OCD OnlyReceived by: Shelly Wells Date: 8/17/2023☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral ApprovedSignature: Nelson Velez Date: 11/20/2023

APPENDIX D

CARMONA RESOURCES



Groundwater Determination

Bore Map

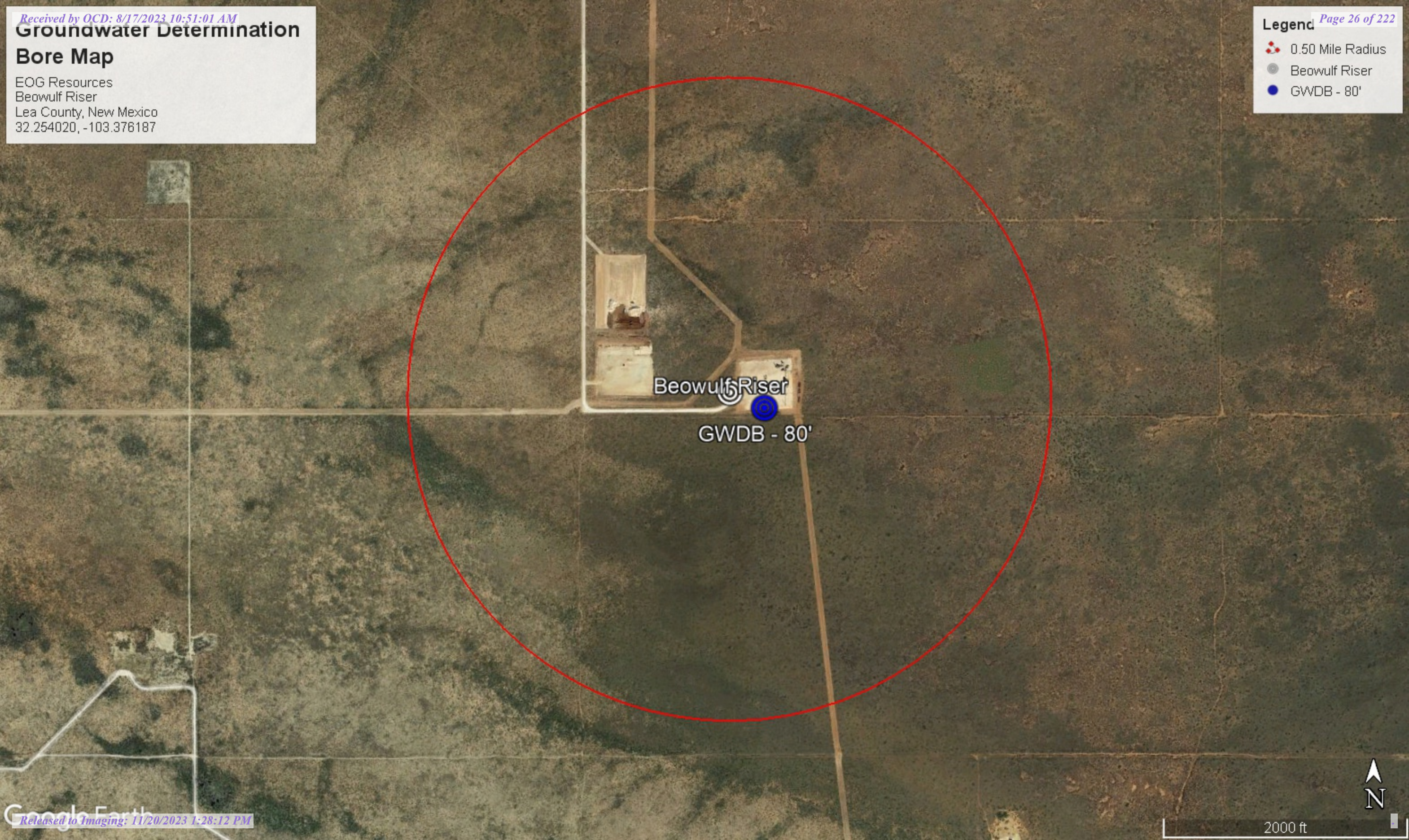
EOG Resources
Beowulf Riser
Lea County, New Mexico
32.254020, -103.376187

Legend

 0.50 Mile Radius

 Beowulf Riser

 GWDB - 80'

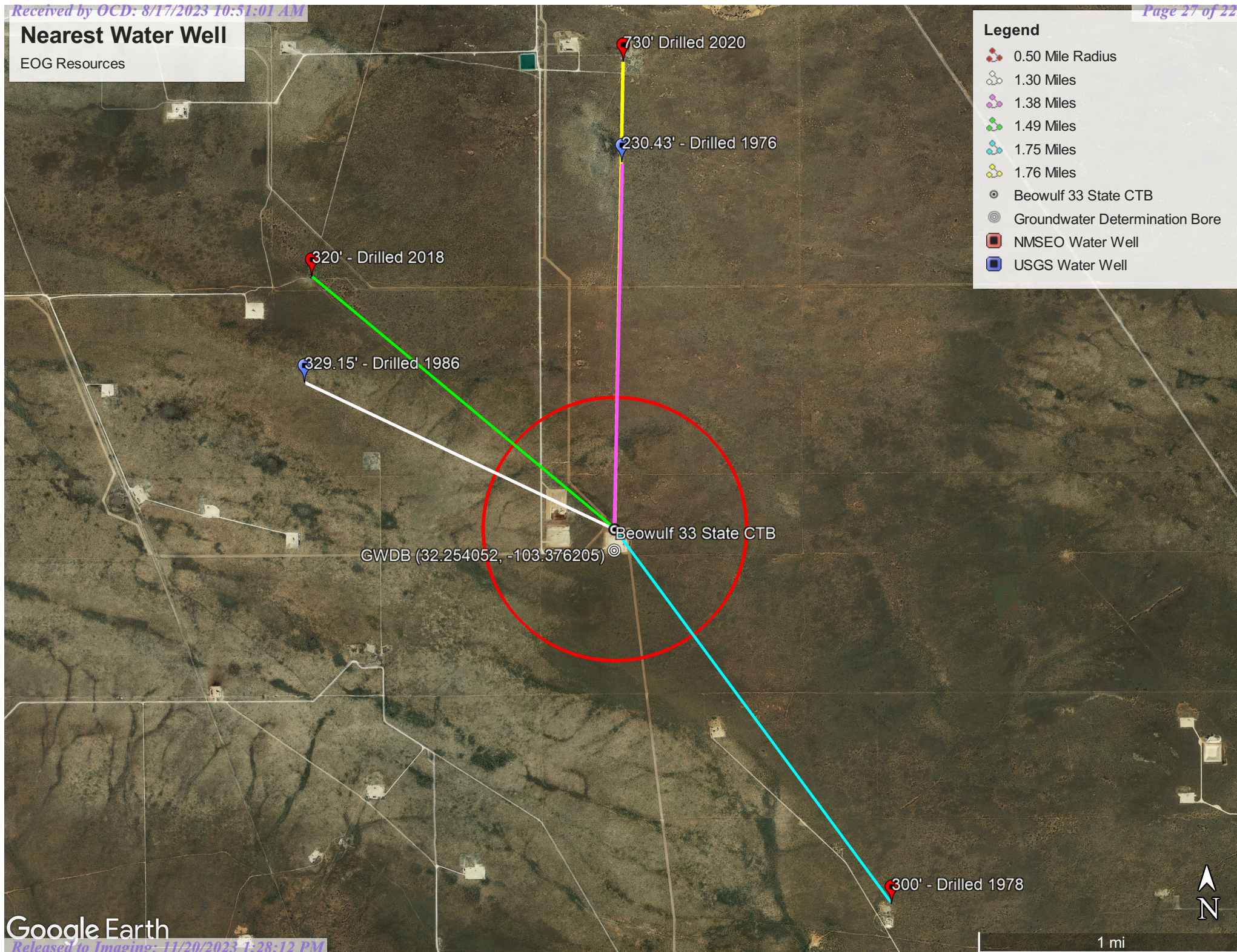


Nearest Water Well

EOG Resources

Legend

- 0.50 Mile Radius
- 1.30 Miles
- 1.38 Miles
- 1.49 Miles
- 1.75 Miles
- 1.76 Miles
- Beowulf 33 State CTB
- Groundwater Determination Bore
- NMSEO Water Well
- USGS Water Well



Low Karst

EOG Resources

Legend

- Beowulf 33 State CTB
- Low

Beowulf 33 State CTB



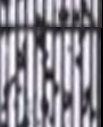
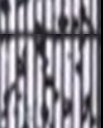
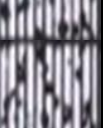
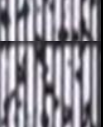
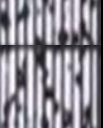
4 mi

CARMONA RESOURCES



Project Name : Beowulf 33 State CTB
 Project No. : 2026
 Location : Lea County, New Mexico
 Coordinates : 32.254020°, -103.376187°
 Elevation : 3,412

Date : Thursday, June 8, 2023
 Sampler : Lane Scarborough
 Driller : Scarborough Drilling
 Method : Air Rotary

Depth (ft.)	WL	Soil Description	Lithology	Depth (ft.)	WL	Soil Description	Lithology
0		(0') - Red, very loose, fine sand, dry (SM).		50		(50') - Brown very loose, fine sand (SM).	
5		(5') - Red, very loose, fine sand, dry (SM).		55		(55') - Brown very loose, fine sand (SM).	
10		(10') - White very loose, fine sand, with 50% coarse, medium, angular sand (SP).		60		(60') - Brown very loose, fine sand (SM).	
15		(15') - White very loose, fine sand (SM).		65		(65') - Brown very loose, fine sand (SM).	
20		(20') - White very loose, fine sand (SM).		70		(70') - Brown very loose, fine sand (SM).	
25		(25') - Brown very loose, fine sand (SM).		75		(75') - Brown very loose, fine sand (SM).	
30		(30') - Brown very loose, fine sand (SM).		80		(80') - Brown very loose, fine sand (SM).	
35		(35') - Brown very loose, fine sand (SM).		85			
40		(40') - Brown very loose, fine sand (SM).		90			
45		(45') - Brown very loose, fine sand (SM).		95			
50				105			

Comments : Boring terminated at 80' with no presence of groundwater or moisture.



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00614 POD2	CP	LE		4	3	3	29	23S	35E	651102	3571401	2400	440	320	120
CP 00366 POD1	CP	LE		4	1	1	10	24S	35E	654447	3567834*	2532	1250		
CP 01513 POD1	CP	LE		3	3	1	10	24S	35E	654184	3567350	2814	186		
CP 00573	CP	LE		1	4	1	10	24S	35E	654657	3567638*	2814	405	300	105
CP 01100 POD3	CP	LE		3	2	1	28	23S	35E	652987	3572726	2838	950	730	220
CP 01100 POD2	CP	LE			2	1	28	23S	35E	652995	3572726	2838	750	125	625
CP 01099 POD2	CP	LE		3	3	3	21	23S	35E	652968	3572750	2862	750	120	630
CP 01099 POD3	CP	LE		1	1	1	28	23S	35E	652478	3572932	3082	930	725	205
CP 00845 POD1	CP	LE			1	3	10	24S	35E	654360	3567130*	3090	190		
CP 01057 POD1	CP	LE		4	2	3	02	24S	35E	656464	3568762	3674	5390	4365	1025
CP 01056 POD1	CP	LE		4	4	3	02	24S	35E	656465	3568304	3840	5396	4399	997

Average Depth to Water: **1385 feet**

Minimum Depth: **120 feet**

Maximum Depth: **4399 feet**

Record Count: 11

UTMNA83 Radius Search (in meters):

Easting (X): 652965.98

Northing (Y): 3569887.97

Radius: 4000

*UTM location was derived from PLSS - see Help

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

5/15/23 7:12 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



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USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 321548103234601

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

USGS 321548103234601 23S.35E.29.33431

Lea County, New Mexico
Latitude 32°15'48", Longitude 103°23'46" NAD27
Land-surface elevation 3,451 feet above NAVD88
The depth of the well is 400 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1968-06-11			D 62610		3122.09	NGVD29	1		Z	
1968-06-11			D 62611		3123.67	NAVD88	1		Z	
1968-06-11			D 72019	327.33			1		Z	
1970-12-09			D 62610		3122.95	NGVD29	1		Z	
1970-12-09			D 62611		3124.53	NAVD88	1		Z	
1970-12-09			D 72019	326.47			1		Z	
1976-12-16			D 62610		3122.48	NGVD29	1		Z	
1976-12-16			D 62611		3124.06	NAVD88	1		Z	
1976-12-16			D 72019	326.94			1		Z	
1981-03-31			D 62610		3121.42	NGVD29	1		Z	
1981-03-31			D 62611		3123.00	NAVD88	1		Z	
1981-03-31			D 72019	328.00			1		Z	
1986-04-17			D 62610		3120.27	NGVD29	1		Z	
1986-04-17			D 62611		3121.85	NAVD88	1		Z	

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1986-04-17			D	72019	329.15		1		Z	

Explanation

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

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Title: Groundwater for New Mexico: Water Levels

URL: [https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?](https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=321548103234601&agency_cd=USGS&format=html)



Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2023-05-15 09:24:50 EDT

0.29 0.25 nadww02



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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 321631103223201

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

USGS 321631103223201 23S.35E.28.12321

Lea County, New Mexico
Latitude 32°16'31", Longitude 103°22'32" NAD27
Land-surface elevation 3,369 feet above NAVD88
The depth of the well is 242 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1967-10-17			D	62610	3133.72	NGVD29	1		Z	
1967-10-17			D	62611	3135.29	NAVD88	1		Z	
1967-10-17			D	72019	233.71		1		Z	
1976-01-23			D	62610	3137.00	NGVD29	1		Z	
1976-01-23			D	62611	3138.57	NAVD88	1		Z	
1976-01-23			D	72019	230.43		1		Z	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface

Section	Code	Description
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Title: Groundwater for New Mexico: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>

Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2023-05-15 09:22:19 EDT

0.3 0.26 nadww02





New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
221BF	CP 00614 POD2	4	3	3	29	23S	35E	651102	3571401

x

Driller License: 1706 **Driller Company:** ELITE DRILLERS CORPORATION

Driller Name: WALLACE, BRYCE J.LEE.NER

Drill Start Date: 11/20/2018	Drill Finish Date: 11/23/2018	Plug Date:
Log File Date: 03/01/2019	PCW Rev Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield: 35 GPM
Casing Size: 7.60	Depth Well: 440 feet	Depth Water: 320 feet

x

Water Bearing Stratifications:	Top	Bottom	Description
	250	360	Sandstone/Gravel/Conglomerate
	360	390	Sandstone/Gravel/Conglomerate
	390	420	Sandstone/Gravel/Conglomerate

x

Casing Perforations:	Top	Bottom
	300	440

x

Meter Number: 18965	Meter Make: TURBINES INC
Meter Serial Number: 2006262	Meter Multiplier: 1.0000
Number of Dials: 7	Meter Type: Diversion
Unit of Measure: Barrels 42 gal.	Return Flow Percent:
Usage Multiplier:	Reading Frequency: Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
01/07/2019	2019	0	A	RPT		0
03/31/2019	2019	3119	A	RPT		0.402
07/01/2019	2019	59656	A	RPT		7.287
08/02/2019	2019	66066	A	RPT		0.826
09/01/2019	2019	74191	A	RPT		1.047
10/07/2019	2019	84708	A	RPT	RPT had 840707.966	1.356
11/04/2019	2019	93820	A	RPT		1.174
12/03/2019	2019	138145	A	RPT		5.713
02/01/2020	2020	178016	A	RPT		5.139
03/02/2020	2020	207585	A	RPT		3.811
04/13/2020	2020	28729	A	RPT	initial read for new meter	0
04/13/2020	2020	217794	A	RPT	Final Meter Read	1.316
05/04/2020	2020	36326	A	RPT		0.979
06/04/2020	2020	64019	A	RPT		3.569
07/02/2020	2020	87365	A	RPT		3.009
08/03/2020	2020	116878	A	RPT		3.804
10/09/2020	2020	150197	A	RPT		4.295
11/06/2020	2020	177172	A	RPT		3.477

12/14/2020	2020	193192	A	RPT	2.065
01/07/2021	2020	203980	A	RPT	1.391
02/05/2021	2021	233044	A	RPT	3.746
08/02/2021	2021	51144	A	ad	0
09/01/2021	2021	51144	A	ad	0
10/05/2021	2021	82316	A	ad	4.018
11/04/2021	2021	97536	A	ad	1.962
12/14/2021	2021	128306	A	ad	3.966
01/01/2022	2022	129650	A	ad	0.173
02/08/2022	2022	129650	A	ad	0
03/02/2022	2022	129650	A	ad	0
04/01/2022	2022	129650	A	ad	0
05/10/2022	2022	129964	A	ad	0.040
06/07/2022	2022	129964	A	ad	0
09/05/2022	2022	129964	A	ad	0
10/10/2022	2022	129964	A	ad	0
11/10/2022	2022	129964	A	ad	0

**YTD Meter Amounts:	Year	Amount
	2019	17.805
	2020	32.855
	2021	13.692
	2022	0.213

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

5/15/23 7:13 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)				(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y		
	CP 00573	1	4	1	10	24S	35E	654657	3567638*		
x											
Driller License:		46		Driller Company:			ABBOTT BROTHERS COMPANY				
Driller Name:		ABBOTT, MURRELL									
Drill Start Date:		09/28/1978		Drill Finish Date:			10/12/1978		Plug Date:		11/01/1978
Log File Date:		10/19/1978		PCW Rcv Date:					Source:		Shallow
Pump Type:				Pipe Discharge Size:					Estimated Yield:		20 GPM
Casing Size:		5.50		Depth Well:			405 feet		Depth Water:		300 feet
x											
Water Bearing Stratifications:				Top	Bottom	Description					
				300	405	Sandstone/Gravel/Conglomerate					
x											
Casing Perforations:				Top	Bottom						
				355	405						
x											

*UTM location was derived from PLSS - see Help

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



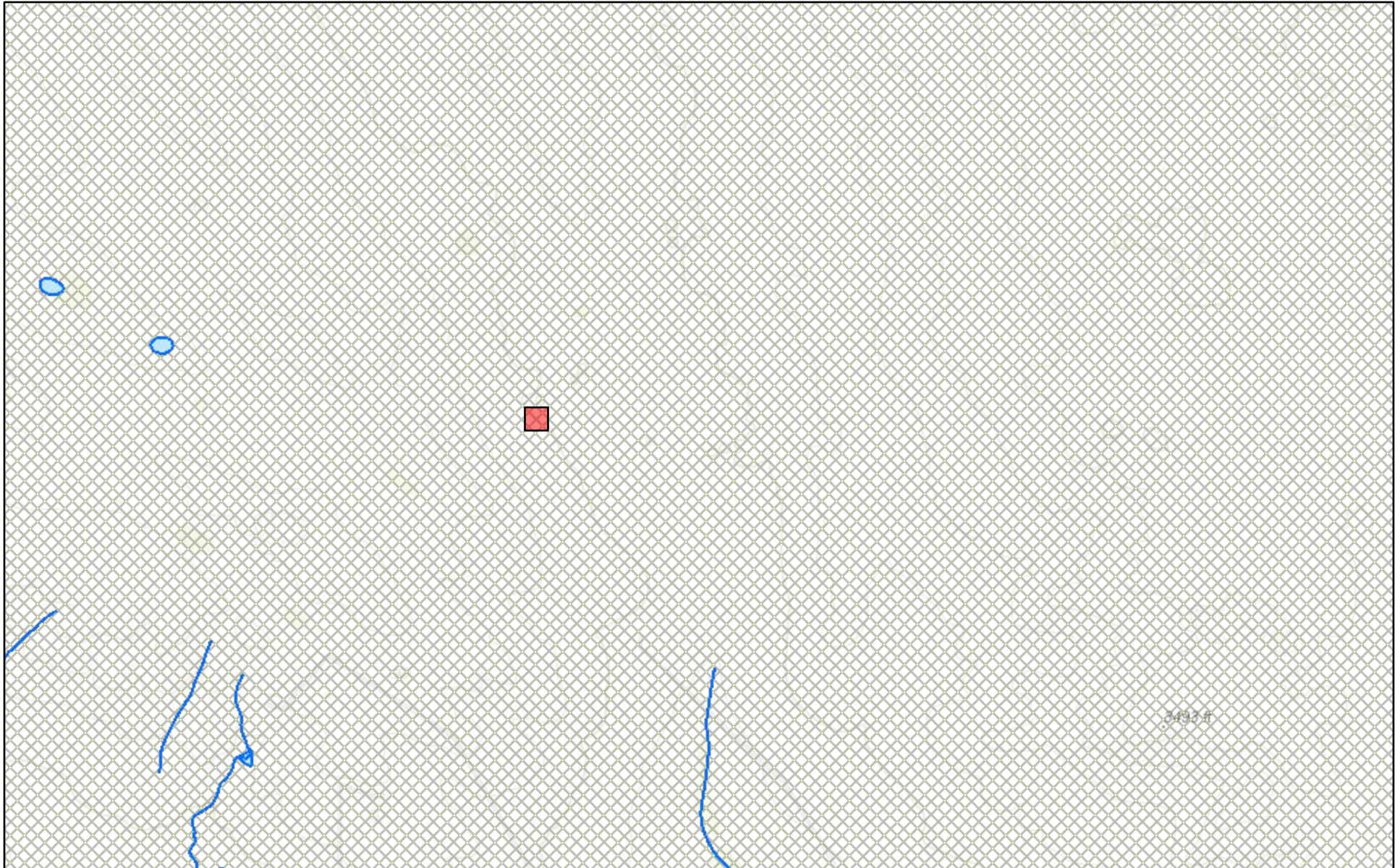
New Mexico Office of the State Engineer

Point of Diversion Summary

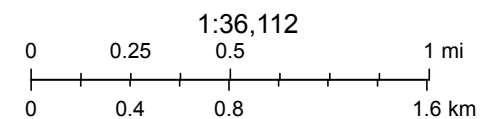
		(quarters are 1=NW 2=NE 3=SW 4=SE)						(quarters are smallest to largest)		(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y		
NA	CP 01100 POD3	3	2	1	28	23S	35E	652987	3572726		
x											
Driller License:		1706		Driller Company:		ELITE DRILLERS CORPORATION					
Driller Name:		WALLACE, BRYCE J.LEE.NER									
Drill Start Date:		09/12/2020		Drill Finish Date:		11/01/2020		Plug Date:			
Log File Date:		11/17/2020		PCW Rev Date:				Source:		Artesian	
Pump Type:				Pipe Discharge Size:				Estimated Yield:		55 GPM	
Casing Size:		7.87		Depth Well:		950 feet		Depth Water:		730 feet	
x											
Water Bearing Stratifications:				Top	Bottom	Description					
				705	940	Sandstone/Gravel/Conglomerate					
x											
Casing Perforations:				Top	Bottom						
				650	950						
x											

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

New Mexico NFHL Data



May 15, 2023



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





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/16/2023 1:38:50 PM

JOB DESCRIPTION

Beowulf 33 State CTB
SDG NUMBER Lea County, NM

JOB NUMBER

880-28368-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

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
5/16/2023 1:38:50 PM

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

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Laboratory Job ID: 880-28368-1
SDG: Lea County, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1
SDG: Lea County, NM

Qualifiers

GC 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.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1
SDG: Lea County, NM

Job ID: 880-28368-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-28368-1

Receipt

The samples were received on 5/12/2023 12:40 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 2.9°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5) (880-28368-1), H-2 (0-0.5) (880-28368-2), H-3 (0-0.5) (880-28368-3), H-4 (0-0.5) (880-28368-4), H-5 (0-0.5) (880-28368-5), H-6 (0-0.5) (880-28368-6), H-7 (0-0.5) (880-28368-7), H-8 (0-0.5) (880-28368-8), H-9 (0-0.5) (880-28368-9), H-10 (0-0.5) (880-28368-10), H-11 (0-0.5) (880-28368-11), H-12 (0-0.5) (880-28368-12), H-13 (0-0.5) (880-28368-13), H-14 (0-0.5) (880-28368-14) and H-15 (0-0.5) (880-28368-15).

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-53199 recovered above the upper control limit for Benzene, Toluene and Ethylbenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-53199 recovered above the upper control limit for Benzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: (CCV 880-53199/20) and (CCV 880-53199/33).

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-53262 and analytical batch 880-53199 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-53262/1-A). Evidence of matrix interferences is not obvious.

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

GC Semi VOA

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-53282, 880-53282, 880-53282 and 880-53282 and analytical batch 880-53394 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: H-11 (0-0.5) (880-28368-11), H-12 (0-0.5) (880-28368-12), H-13 (0-0.5) (880-28368-13), H-14 (0-0.5) (880-28368-14), H-15 (0-0.5) (880-28368-15), (880-28368-A-11-F MS) and (880-28368-A-11-D 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: Beowulf 33 State CTB

Job ID: 880-28368-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28368-1

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:10	05/13/23 05:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:10	05/13/23 05:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:10	05/13/23 05:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/12/23 13:10	05/13/23 05:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:10	05/13/23 05:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/12/23 13:10	05/13/23 05:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	05/12/23 13:10	05/13/23 05:03	1
1,4-Difluorobenzene (Surr)	92		70 - 130	05/12/23 13:10	05/13/23 05:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/15/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/12/23 21:28	05/13/23 11:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/23 21:28	05/13/23 11:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/23 21:28	05/13/23 11:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	05/12/23 21:28	05/13/23 11:14	1
o-Terphenyl	91		70 - 130	05/12/23 21:28	05/13/23 11:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.9		4.97		mg/Kg			05/15/23 21:28	1

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

Lab Sample ID: 880-28368-2

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U **	0.00200		mg/Kg		05/12/23 13:10	05/13/23 05:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:10	05/13/23 05:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:10	05/13/23 05:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/12/23 13:10	05/13/23 05:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:10	05/13/23 05:24	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/12/23 13:10	05/13/23 05:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	05/12/23 13:10	05/13/23 05:24	1
1,4-Difluorobenzene (Surr)	107		70 - 130	05/12/23 13:10	05/13/23 05:24	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28368-2

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/15/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 12:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 12:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 12:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				05/12/23 21:28	05/13/23 12:21	1
o-Terphenyl	96		70 - 130				05/12/23 21:28	05/13/23 12:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.4		5.03		mg/Kg			05/15/23 21:44	1

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

Lab Sample ID: 880-28368-3

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U **	0.00201		mg/Kg		05/12/23 13:10	05/13/23 05:44	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:10	05/13/23 05:44	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:10	05/13/23 05:44	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/12/23 13:10	05/13/23 05:44	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:10	05/13/23 05:44	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/12/23 13:10	05/13/23 05:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				05/12/23 13:10	05/13/23 05:44	1
1,4-Difluorobenzene (Surr)	107		70 - 130				05/12/23 13:10	05/13/23 05:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 12:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 12:43	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28368-3

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 12:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				05/12/23 21:28	05/13/23 12:43	1
o-Terphenyl	81		70 - 130				05/12/23 21:28	05/13/23 12:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	91.5		5.02		mg/Kg			05/15/23 21:49	1

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

Lab Sample ID: 880-28368-4

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *	0.00200		mg/Kg		05/12/23 13:10	05/13/23 06:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:10	05/13/23 06:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:10	05/13/23 06:05	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/12/23 13:10	05/13/23 06:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:10	05/13/23 06:05	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/12/23 13:10	05/13/23 06:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				05/12/23 13:10	05/13/23 06:05	1
1,4-Difluorobenzene (Surr)	112		70 - 130				05/12/23 13:10	05/13/23 06:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 13:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 13:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 13:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				05/12/23 21:28	05/13/23 13:05	1
o-Terphenyl	91		70 - 130				05/12/23 21:28	05/13/23 13:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	450		4.97		mg/Kg			05/15/23 21:54	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28368-5

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:10	05/13/23 06:25	1
Toluene	0.00479		0.00199		mg/Kg		05/12/23 13:10	05/13/23 06:25	1
Ethylbenzene	0.00388		0.00199		mg/Kg		05/12/23 13:10	05/13/23 06:25	1
m-Xylene & p-Xylene	0.0160		0.00398		mg/Kg		05/12/23 13:10	05/13/23 06:25	1
o-Xylene	0.00513		0.00199		mg/Kg		05/12/23 13:10	05/13/23 06:25	1
Xylenes, Total	0.0211		0.00398		mg/Kg		05/12/23 13:10	05/13/23 06:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	05/12/23 13:10	05/13/23 06:25	1
1,4-Difluorobenzene (Surr)	102		70 - 130	05/12/23 13:10	05/13/23 06:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0298		0.00398		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 13:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 13:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 13:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	05/12/23 21:28	05/13/23 13:27	1
o-Terphenyl	94		70 - 130	05/12/23 21:28	05/13/23 13:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.5		5.01		mg/Kg			05/15/23 22:00	1

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

Lab Sample ID: 880-28368-6

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:10	05/13/23 06:45	1
Toluene	0.00399		0.00199		mg/Kg		05/12/23 13:10	05/13/23 06:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:10	05/13/23 06:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/12/23 13:10	05/13/23 06:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:10	05/13/23 06:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/12/23 13:10	05/13/23 06:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	05/12/23 13:10	05/13/23 06:45	1
1,4-Difluorobenzene (Surr)	112		70 - 130	05/12/23 13:10	05/13/23 06:45	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28368-6

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00399		0.00398		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/15/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/12/23 21:28	05/13/23 13:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/23 21:28	05/13/23 13:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/23 21:28	05/13/23 13:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				05/12/23 21:28	05/13/23 13:49	1
o-Terphenyl	88		70 - 130				05/12/23 21:28	05/13/23 13:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.4		4.95		mg/Kg			05/15/23 22:16	1

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

Lab Sample ID: 880-28368-7

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U **	0.00200		mg/Kg		05/12/23 13:10	05/13/23 07:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:10	05/13/23 07:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:10	05/13/23 07:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/12/23 13:10	05/13/23 07:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:10	05/13/23 07:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/12/23 13:10	05/13/23 07:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				05/12/23 13:10	05/13/23 07:06	1
1,4-Difluorobenzene (Surr)	101		70 - 130				05/12/23 13:10	05/13/23 07:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/15/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 14:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 14:12	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28368-7

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 14:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				05/12/23 21:28	05/13/23 14:12	1
o-Terphenyl	99		70 - 130				05/12/23 21:28	05/13/23 14:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.3		4.96		mg/Kg			05/15/23 22:21	1

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

Lab Sample ID: 880-28368-8

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *	0.00201		mg/Kg		05/12/23 13:10	05/13/23 07:26	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:10	05/13/23 07:26	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:10	05/13/23 07:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/12/23 13:10	05/13/23 07:26	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:10	05/13/23 07:26	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/12/23 13:10	05/13/23 07:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				05/12/23 13:10	05/13/23 07:26	1
1,4-Difluorobenzene (Surr)	107		70 - 130				05/12/23 13:10	05/13/23 07:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/15/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 14:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 14:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 14:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				05/12/23 21:28	05/13/23 14:35	1
o-Terphenyl	104		70 - 130				05/12/23 21:28	05/13/23 14:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	374		5.05		mg/Kg			05/15/23 22:26	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28368-9

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U **	0.00200		mg/Kg		05/12/23 13:10	05/13/23 07:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:10	05/13/23 07:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:10	05/13/23 07:47	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/12/23 13:10	05/13/23 07:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:10	05/13/23 07:47	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/12/23 13:10	05/13/23 07:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	05/12/23 13:10	05/13/23 07:47	1
1,4-Difluorobenzene (Surr)	106		70 - 130	05/12/23 13:10	05/13/23 07:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/15/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 14:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 14:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 14:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130	05/12/23 21:28	05/13/23 14:57	1
o-Terphenyl	77		70 - 130	05/12/23 21:28	05/13/23 14:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	419		25.3		mg/Kg			05/15/23 22:32	5

Client Sample ID: H-10 (0-0.5)

Lab Sample ID: 880-28368-10

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:10	05/13/23 08:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:10	05/13/23 08:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:10	05/13/23 08:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/12/23 13:10	05/13/23 08:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:10	05/13/23 08:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/12/23 13:10	05/13/23 08:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	05/12/23 13:10	05/13/23 08:07	1
1,4-Difluorobenzene (Surr)	107		70 - 130	05/12/23 13:10	05/13/23 08:07	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1
SDG: Lea County, NM

Client Sample ID: H-10 (0-0.5)

Lab Sample ID: 880-28368-10

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 15:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 15:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 15:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				05/12/23 21:28	05/13/23 15:19	1
o-Terphenyl	90		70 - 130				05/12/23 21:28	05/13/23 15:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	329		24.9		mg/Kg			05/15/23 22:37	5

Client Sample ID: H-11 (0-0.5)

Lab Sample ID: 880-28368-11

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:10	05/13/23 09:58	1
Toluene	0.0142		0.00199		mg/Kg		05/12/23 13:10	05/13/23 09:58	1
Ethylbenzene	0.00796		0.00199		mg/Kg		05/12/23 13:10	05/13/23 09:58	1
m-Xylene & p-Xylene	0.0207		0.00398		mg/Kg		05/12/23 13:10	05/13/23 09:58	1
o-Xylene	0.00684		0.00199		mg/Kg		05/12/23 13:10	05/13/23 09:58	1
Xylenes, Total	0.0275		0.00398		mg/Kg		05/12/23 13:10	05/13/23 09:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				05/12/23 13:10	05/13/23 09:58	1
1,4-Difluorobenzene (Surr)	90		70 - 130				05/12/23 13:10	05/13/23 09:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0497		0.00398		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	99.9		49.8		mg/Kg			05/15/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/12/23 21:28	05/13/23 16:03	1
Diesel Range Organics (Over C10-C28)	99.9		49.8		mg/Kg		05/12/23 21:28	05/13/23 16:03	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1
SDG: Lea County, NM

Client Sample ID: H-11 (0-0.5)

Lab Sample ID: 880-28368-11

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/23 21:28	05/13/23 16:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				05/12/23 21:28	05/13/23 16:03	1
o-Terphenyl	91		70 - 130				05/12/23 21:28	05/13/23 16:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	461	F1	25.2		mg/Kg			05/15/23 22:42	5

Client Sample ID: H-12 (0-0.5)

Lab Sample ID: 880-28368-12

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0102	*+	0.00200		mg/Kg		05/12/23 13:10	05/13/23 10:18	1
Toluene	0.270		0.00200		mg/Kg		05/12/23 13:10	05/13/23 10:18	1
Ethylbenzene	0.0969		0.00200		mg/Kg		05/12/23 13:10	05/13/23 10:18	1
m-Xylene & p-Xylene	0.220		0.00399		mg/Kg		05/12/23 13:10	05/13/23 10:18	1
o-Xylene	0.0641		0.00200		mg/Kg		05/12/23 13:10	05/13/23 10:18	1
Xylenes, Total	0.284		0.00399		mg/Kg		05/12/23 13:10	05/13/23 10:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				05/12/23 13:10	05/13/23 10:18	1
1,4-Difluorobenzene (Surr)	95		70 - 130				05/12/23 13:10	05/13/23 10:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.661		0.00399		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	247		49.9		mg/Kg			05/15/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 16:24	1
Diesel Range Organics (Over C10-C28)	247		49.9		mg/Kg		05/12/23 21:28	05/13/23 16:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 16:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				05/12/23 21:28	05/13/23 16:24	1
o-Terphenyl	91		70 - 130				05/12/23 21:28	05/13/23 16:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	249		5.01		mg/Kg			05/15/23 22:58	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1
SDG: Lea County, NM

Client Sample ID: H-13 (0-0.5)

Lab Sample ID: 880-28368-13

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U **	0.00201		mg/Kg		05/12/23 13:10	05/13/23 10:39	1
Toluene	0.0175		0.00201		mg/Kg		05/12/23 13:10	05/13/23 10:39	1
Ethylbenzene	0.00730		0.00201		mg/Kg		05/12/23 13:10	05/13/23 10:39	1
m-Xylene & p-Xylene	0.0175		0.00402		mg/Kg		05/12/23 13:10	05/13/23 10:39	1
o-Xylene	0.00601		0.00201		mg/Kg		05/12/23 13:10	05/13/23 10:39	1
Xylenes, Total	0.0235		0.00402		mg/Kg		05/12/23 13:10	05/13/23 10:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	05/12/23 13:10	05/13/23 10:39	1
1,4-Difluorobenzene (Surr)	94		70 - 130	05/12/23 13:10	05/13/23 10:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0483		0.00402		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 16:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 16:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 16:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	05/12/23 21:28	05/13/23 16:44	1
o-Terphenyl	88		70 - 130	05/12/23 21:28	05/13/23 16:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.5		4.97		mg/Kg			05/15/23 23:04	1

Client Sample ID: H-14 (0-0.5)

Lab Sample ID: 880-28368-14

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:10	05/13/23 10:59	1
Toluene	0.00605		0.00199		mg/Kg		05/12/23 13:10	05/13/23 10:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:10	05/13/23 10:59	1
m-Xylene & p-Xylene	0.00438		0.00398		mg/Kg		05/12/23 13:10	05/13/23 10:59	1
o-Xylene	0.00243		0.00199		mg/Kg		05/12/23 13:10	05/13/23 10:59	1
Xylenes, Total	0.00681		0.00398		mg/Kg		05/12/23 13:10	05/13/23 10:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	05/12/23 13:10	05/13/23 10:59	1
1,4-Difluorobenzene (Surr)	110		70 - 130	05/12/23 13:10	05/13/23 10:59	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1
SDG: Lea County, NM

Client Sample ID: H-14 (0-0.5)

Lab Sample ID: 880-28368-14

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0129		0.00398		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	97.1		50.0		mg/Kg			05/15/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 17:04	1
Diesel Range Organics (Over C10-C28)	97.1		50.0		mg/Kg		05/12/23 21:28	05/13/23 17:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 17:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				05/12/23 21:28	05/13/23 17:04	1
o-Terphenyl	86		70 - 130				05/12/23 21:28	05/13/23 17:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.2		4.96		mg/Kg			05/15/23 23:20	1

Client Sample ID: H-15 (0-0.5)

Lab Sample ID: 880-28368-15

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:10	05/13/23 11:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:10	05/13/23 11:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:10	05/13/23 11:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/12/23 13:10	05/13/23 11:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:10	05/13/23 11:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/12/23 13:10	05/13/23 11:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				05/12/23 13:10	05/13/23 11:20	1
1,4-Difluorobenzene (Surr)	103		70 - 130				05/12/23 13:10	05/13/23 11:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/15/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 17:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 17:25	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1
SDG: Lea County, NM

Client Sample ID: H-15 (0-0.5)

Lab Sample ID: 880-28368-15

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 17:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	05/12/23 21:28	05/13/23 17:25	1
o-Terphenyl	90		70 - 130	05/12/23 21:28	05/13/23 17:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.9		5.03		mg/Kg			05/15/23 23:25	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1
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	DFBZ1				
		(70-130)	(70-130)				
880-28368-1	H-1 (0-0.5)	84	92				
880-28368-1 MS	H-1 (0-0.5)	110	119				
880-28368-1 MSD	H-1 (0-0.5)	99	94				
880-28368-2	H-2 (0-0.5)	119	107				
880-28368-3	H-3 (0-0.5)	107	107				
880-28368-4	H-4 (0-0.5)	114	112				
880-28368-5	H-5 (0-0.5)	115	102				
880-28368-6	H-6 (0-0.5)	108	112				
880-28368-7	H-7 (0-0.5)	117	101				
880-28368-8	H-8 (0-0.5)	104	107				
880-28368-9	H-9 (0-0.5)	111	106				
880-28368-10	H-10 (0-0.5)	116	107				
880-28368-11	H-11 (0-0.5)	91	90				
880-28368-12	H-12 (0-0.5)	99	95				
880-28368-13	H-13 (0-0.5)	88	94				
880-28368-14	H-14 (0-0.5)	117	110				
880-28368-15	H-15 (0-0.5)	108	103				
LCS 880-53262/1-A	Lab Control Sample	98	136 S1+				
LCSD 880-53262/2-A	Lab Control Sample Dup	107	113				
MB 880-53262/5-A	Method Blank	94	105				
MB 880-53263/5-A	Method Blank	97	108				
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	OTPH1				
		(70-130)	(70-130)				
880-28368-1	H-1 (0-0.5)	96	91				
880-28368-1 MS	H-1 (0-0.5)	93	78				
880-28368-1 MSD	H-1 (0-0.5)	91	80				
880-28368-2	H-2 (0-0.5)	99	96				
880-28368-3	H-3 (0-0.5)	86	81				
880-28368-4	H-4 (0-0.5)	96	91				
880-28368-5	H-5 (0-0.5)	97	94				
880-28368-6	H-6 (0-0.5)	89	88				
880-28368-7	H-7 (0-0.5)	105	99				
880-28368-8	H-8 (0-0.5)	109	104				
880-28368-9	H-9 (0-0.5)	79	77				
880-28368-10	H-10 (0-0.5)	93	90				
880-28368-11	H-11 (0-0.5)	94	91				
880-28368-12	H-12 (0-0.5)	93	91				
880-28368-13	H-13 (0-0.5)	89	88				
880-28368-14	H-14 (0-0.5)	90	86				
880-28368-15	H-15 (0-0.5)	96	90				
LCS 880-53307/2-A	Lab Control Sample	108	100				

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-28368-1

Project/Site: Beowulf 33 State CTB

SDG: Lea County, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
LCSD 880-53307/3-A	Lab Control Sample Dup	105	92
MB 880-53307/1-A	Method Blank	122	125
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-53262/5-A

Matrix: Solid

Analysis Batch: 53199

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53262

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:10	05/13/23 04:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:10	05/13/23 04:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:10	05/13/23 04:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/12/23 13:10	05/13/23 04:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:10	05/13/23 04:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/12/23 13:10	05/13/23 04:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	05/12/23 13:10	05/13/23 04:35	1
1,4-Difluorobenzene (Surr)	105		70 - 130	05/12/23 13:10	05/13/23 04:35	1

Lab Sample ID: LCS 880-53262/1-A

Matrix: Solid

Analysis Batch: 53199

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53262

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1549	*+	mg/Kg		155	70 - 130
Toluene	0.100	0.1236		mg/Kg		124	70 - 130
Ethylbenzene	0.100	0.1057		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	0.200	0.2239		mg/Kg		112	70 - 130
o-Xylene	0.100	0.1100		mg/Kg		110	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	136	S1+	70 - 130

Lab Sample ID: LCSD 880-53262/2-A

Matrix: Solid

Analysis Batch: 53199

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53262

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1417	*+	mg/Kg		142	70 - 130	9	35
Toluene	0.100	0.1246		mg/Kg		125	70 - 130	1	35
Ethylbenzene	0.100	0.1033		mg/Kg		103	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2346		mg/Kg		117	70 - 130	5	35
o-Xylene	0.100	0.1178		mg/Kg		118	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: 880-28368-1 MS

Matrix: Solid

Analysis Batch: 53199

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

Prep Type: Total/NA

Prep Batch: 53262

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U *	0.0998	0.1249		mg/Kg		125	70 - 130
Toluene	<0.00199	U	0.0998	0.1001		mg/Kg		100	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28368-1 MS

Matrix: Solid

Analysis Batch: 53199

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

Prep Type: Total/NA

Prep Batch: 53262

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.0998	0.09128		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1998		mg/Kg		100	70 - 130
o-Xylene	<0.00199	U	0.0998	0.1001		mg/Kg		100	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	119		70 - 130

Lab Sample ID: 880-28368-1 MSD

Matrix: Solid

Analysis Batch: 53199

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

Prep Type: Total/NA

Prep Batch: 53262

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	0.1108		mg/Kg		112	70 - 130	12	35
Toluene	<0.00199	U	0.0990	0.1088		mg/Kg		110	70 - 130	8	35
Ethylbenzene	<0.00199	U	0.0990	0.09394		mg/Kg		95	70 - 130	3	35
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1839		mg/Kg		93	70 - 130	8	35
o-Xylene	<0.00199	U	0.0990	0.08971		mg/Kg		90	70 - 130	11	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: MB 880-53263/5-A

Matrix: Solid

Analysis Batch: 53199

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53263

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/12/23 16:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/12/23 16:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/12/23 16:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/12/23 13:21	05/12/23 16:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/12/23 16:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/12/23 13:21	05/12/23 16:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	05/12/23 13:21	05/12/23 16:59	1
1,4-Difluorobenzene (Surr)	108		70 - 130	05/12/23 13:21	05/12/23 16:59	1

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

Lab Sample ID: MB 880-53307/1-A

Matrix: Solid

Analysis Batch: 53315

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53307

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 08:32	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-53307/1-A

Matrix: Solid

Analysis Batch: 53315

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53307

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		05/12/23 21:28	05/13/23 08:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 08:32	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				05/12/23 21:28	05/13/23 08:32	1
o-Terphenyl	125		70 - 130				05/12/23 21:28	05/13/23 08:32	1

Lab Sample ID: LCS 880-53307/2-A

Matrix: Solid

Analysis Batch: 53315

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53307

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	834.4		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	1000	783.3		mg/Kg		78	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	108		70 - 130				
o-Terphenyl	100		70 - 130				

Lab Sample ID: LCSD 880-53307/3-A

Matrix: Solid

Analysis Batch: 53315

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53307

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	867.7		mg/Kg		87	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	795.6		mg/Kg		80	70 - 130	2	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	105		70 - 130						
o-Terphenyl	92		70 - 130						

Lab Sample ID: 880-28368-1 MS

Matrix: Solid

Analysis Batch: 53315

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

Prep Type: Total/NA

Prep Batch: 53307

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	963.4		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	999	904.6		mg/Kg		88	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	93		70 - 130						
o-Terphenyl	78		70 - 130						

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28368-1 MSD

Matrix: Solid

Analysis Batch: 53315

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

Prep Type: Total/NA

Prep Batch: 53307

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	997	934.4		mg/Kg		94	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.8	U	997	917.4		mg/Kg		89	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	91		70 - 130								
o-Terphenyl	80		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-53282/1-A

Matrix: Solid

Analysis Batch: 53394

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/15/23 21:12	1

Lab Sample ID: LCS 880-53282/2-A

Matrix: Solid

Analysis Batch: 53394

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	257.6		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-53282/3-A

Matrix: Solid

Analysis Batch: 53394

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	258.8		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-28368-1 MS

Matrix: Solid

Analysis Batch: 53394

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	56.9		249	306.3		mg/Kg		100	90 - 110

Lab Sample ID: 880-28368-1 MSD

Matrix: Solid

Analysis Batch: 53394

Client Sample ID: H-1 (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	56.9		249	306.1		mg/Kg		100	90 - 110	0	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-28368-11 MS										Client Sample ID: H-11 (0-0.5)				
Matrix: Solid										Prep Type: Soluble				
Analysis Batch: 53394														
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits					
Chloride	461	F1	1260	1474	F1	mg/Kg		81	90 - 110					

Lab Sample ID: 880-28368-11 MSD										Client Sample ID: H-11 (0-0.5)				
Matrix: Solid										Prep Type: Soluble				
Analysis Batch: 53394														
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit			
Chloride	461	F1	1260	1476	F1	mg/Kg		81	90 - 110	0	20			

QC Association Summary

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 53199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28368-1	H-1 (0-0.5)	Total/NA	Solid	8021B	53262
880-28368-2	H-2 (0-0.5)	Total/NA	Solid	8021B	53262
880-28368-3	H-3 (0-0.5)	Total/NA	Solid	8021B	53262
880-28368-4	H-4 (0-0.5)	Total/NA	Solid	8021B	53262
880-28368-5	H-5 (0-0.5)	Total/NA	Solid	8021B	53262
880-28368-6	H-6 (0-0.5)	Total/NA	Solid	8021B	53262
880-28368-7	H-7 (0-0.5)	Total/NA	Solid	8021B	53262
880-28368-8	H-8 (0-0.5)	Total/NA	Solid	8021B	53262
880-28368-9	H-9 (0-0.5)	Total/NA	Solid	8021B	53262
880-28368-10	H-10 (0-0.5)	Total/NA	Solid	8021B	53262
880-28368-11	H-11 (0-0.5)	Total/NA	Solid	8021B	53262
880-28368-12	H-12 (0-0.5)	Total/NA	Solid	8021B	53262
880-28368-13	H-13 (0-0.5)	Total/NA	Solid	8021B	53262
880-28368-14	H-14 (0-0.5)	Total/NA	Solid	8021B	53262
880-28368-15	H-15 (0-0.5)	Total/NA	Solid	8021B	53262
MB 880-53262/5-A	Method Blank	Total/NA	Solid	8021B	53262
MB 880-53263/5-A	Method Blank	Total/NA	Solid	8021B	53263
LCS 880-53262/1-A	Lab Control Sample	Total/NA	Solid	8021B	53262
LCSD 880-53262/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53262
880-28368-1 MS	H-1 (0-0.5)	Total/NA	Solid	8021B	53262
880-28368-1 MSD	H-1 (0-0.5)	Total/NA	Solid	8021B	53262

Prep Batch: 53262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28368-1	H-1 (0-0.5)	Total/NA	Solid	5035	
880-28368-2	H-2 (0-0.5)	Total/NA	Solid	5035	
880-28368-3	H-3 (0-0.5)	Total/NA	Solid	5035	
880-28368-4	H-4 (0-0.5)	Total/NA	Solid	5035	
880-28368-5	H-5 (0-0.5)	Total/NA	Solid	5035	
880-28368-6	H-6 (0-0.5)	Total/NA	Solid	5035	
880-28368-7	H-7 (0-0.5)	Total/NA	Solid	5035	
880-28368-8	H-8 (0-0.5)	Total/NA	Solid	5035	
880-28368-9	H-9 (0-0.5)	Total/NA	Solid	5035	
880-28368-10	H-10 (0-0.5)	Total/NA	Solid	5035	
880-28368-11	H-11 (0-0.5)	Total/NA	Solid	5035	
880-28368-12	H-12 (0-0.5)	Total/NA	Solid	5035	
880-28368-13	H-13 (0-0.5)	Total/NA	Solid	5035	
880-28368-14	H-14 (0-0.5)	Total/NA	Solid	5035	
880-28368-15	H-15 (0-0.5)	Total/NA	Solid	5035	
MB 880-53262/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-53262/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-53262/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28368-1 MS	H-1 (0-0.5)	Total/NA	Solid	5035	
880-28368-1 MSD	H-1 (0-0.5)	Total/NA	Solid	5035	

Prep Batch: 53263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-53263/5-A	Method Blank	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 53410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28368-1	H-1 (0-0.5)	Total/NA	Solid	Total BTEX	
880-28368-2	H-2 (0-0.5)	Total/NA	Solid	Total BTEX	
880-28368-3	H-3 (0-0.5)	Total/NA	Solid	Total BTEX	
880-28368-4	H-4 (0-0.5)	Total/NA	Solid	Total BTEX	
880-28368-5	H-5 (0-0.5)	Total/NA	Solid	Total BTEX	
880-28368-6	H-6 (0-0.5)	Total/NA	Solid	Total BTEX	
880-28368-7	H-7 (0-0.5)	Total/NA	Solid	Total BTEX	
880-28368-8	H-8 (0-0.5)	Total/NA	Solid	Total BTEX	
880-28368-9	H-9 (0-0.5)	Total/NA	Solid	Total BTEX	
880-28368-10	H-10 (0-0.5)	Total/NA	Solid	Total BTEX	
880-28368-11	H-11 (0-0.5)	Total/NA	Solid	Total BTEX	
880-28368-12	H-12 (0-0.5)	Total/NA	Solid	Total BTEX	
880-28368-13	H-13 (0-0.5)	Total/NA	Solid	Total BTEX	
880-28368-14	H-14 (0-0.5)	Total/NA	Solid	Total BTEX	
880-28368-15	H-15 (0-0.5)	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 53307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28368-1	H-1 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-28368-2	H-2 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-28368-3	H-3 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-28368-4	H-4 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-28368-5	H-5 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-28368-6	H-6 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-28368-7	H-7 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-28368-8	H-8 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-28368-9	H-9 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-28368-10	H-10 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-28368-11	H-11 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-28368-12	H-12 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-28368-13	H-13 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-28368-14	H-14 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-28368-15	H-15 (0-0.5)	Total/NA	Solid	8015NM Prep	
MB 880-53307/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-53307/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-53307/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28368-1 MS	H-1 (0-0.5)	Total/NA	Solid	8015NM Prep	
880-28368-1 MSD	H-1 (0-0.5)	Total/NA	Solid	8015NM Prep	

Analysis Batch: 53315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28368-1	H-1 (0-0.5)	Total/NA	Solid	8015B NM	53307
880-28368-2	H-2 (0-0.5)	Total/NA	Solid	8015B NM	53307
880-28368-3	H-3 (0-0.5)	Total/NA	Solid	8015B NM	53307
880-28368-4	H-4 (0-0.5)	Total/NA	Solid	8015B NM	53307
880-28368-5	H-5 (0-0.5)	Total/NA	Solid	8015B NM	53307
880-28368-6	H-6 (0-0.5)	Total/NA	Solid	8015B NM	53307
880-28368-7	H-7 (0-0.5)	Total/NA	Solid	8015B NM	53307
880-28368-8	H-8 (0-0.5)	Total/NA	Solid	8015B NM	53307

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QC Association Summary

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 53315 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28368-9	H-9 (0-0.5)	Total/NA	Solid	8015B NM	53307
880-28368-10	H-10 (0-0.5)	Total/NA	Solid	8015B NM	53307
880-28368-11	H-11 (0-0.5)	Total/NA	Solid	8015B NM	53307
880-28368-12	H-12 (0-0.5)	Total/NA	Solid	8015B NM	53307
880-28368-13	H-13 (0-0.5)	Total/NA	Solid	8015B NM	53307
880-28368-14	H-14 (0-0.5)	Total/NA	Solid	8015B NM	53307
880-28368-15	H-15 (0-0.5)	Total/NA	Solid	8015B NM	53307
MB 880-53307/1-A	Method Blank	Total/NA	Solid	8015B NM	53307
LCS 880-53307/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	53307
LCSD 880-53307/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	53307
880-28368-1 MS	H-1 (0-0.5)	Total/NA	Solid	8015B NM	53307
880-28368-1 MSD	H-1 (0-0.5)	Total/NA	Solid	8015B NM	53307

Analysis Batch: 53374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28368-1	H-1 (0-0.5)	Total/NA	Solid	8015 NM	
880-28368-2	H-2 (0-0.5)	Total/NA	Solid	8015 NM	
880-28368-3	H-3 (0-0.5)	Total/NA	Solid	8015 NM	
880-28368-4	H-4 (0-0.5)	Total/NA	Solid	8015 NM	
880-28368-5	H-5 (0-0.5)	Total/NA	Solid	8015 NM	
880-28368-6	H-6 (0-0.5)	Total/NA	Solid	8015 NM	
880-28368-7	H-7 (0-0.5)	Total/NA	Solid	8015 NM	
880-28368-8	H-8 (0-0.5)	Total/NA	Solid	8015 NM	
880-28368-9	H-9 (0-0.5)	Total/NA	Solid	8015 NM	
880-28368-10	H-10 (0-0.5)	Total/NA	Solid	8015 NM	
880-28368-11	H-11 (0-0.5)	Total/NA	Solid	8015 NM	
880-28368-12	H-12 (0-0.5)	Total/NA	Solid	8015 NM	
880-28368-13	H-13 (0-0.5)	Total/NA	Solid	8015 NM	
880-28368-14	H-14 (0-0.5)	Total/NA	Solid	8015 NM	
880-28368-15	H-15 (0-0.5)	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 53282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28368-1	H-1 (0-0.5)	Soluble	Solid	DI Leach	
880-28368-2	H-2 (0-0.5)	Soluble	Solid	DI Leach	
880-28368-3	H-3 (0-0.5)	Soluble	Solid	DI Leach	
880-28368-4	H-4 (0-0.5)	Soluble	Solid	DI Leach	
880-28368-5	H-5 (0-0.5)	Soluble	Solid	DI Leach	
880-28368-6	H-6 (0-0.5)	Soluble	Solid	DI Leach	
880-28368-7	H-7 (0-0.5)	Soluble	Solid	DI Leach	
880-28368-8	H-8 (0-0.5)	Soluble	Solid	DI Leach	
880-28368-9	H-9 (0-0.5)	Soluble	Solid	DI Leach	
880-28368-10	H-10 (0-0.5)	Soluble	Solid	DI Leach	
880-28368-11	H-11 (0-0.5)	Soluble	Solid	DI Leach	
880-28368-12	H-12 (0-0.5)	Soluble	Solid	DI Leach	
880-28368-13	H-13 (0-0.5)	Soluble	Solid	DI Leach	
880-28368-14	H-14 (0-0.5)	Soluble	Solid	DI Leach	
880-28368-15	H-15 (0-0.5)	Soluble	Solid	DI Leach	
MB 880-53282/1-A	Method Blank	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 53282 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-53282/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-53282/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28368-1 MS	H-1 (0-0.5)	Soluble	Solid	DI Leach	
880-28368-1 MSD	H-1 (0-0.5)	Soluble	Solid	DI Leach	
880-28368-11 MS	H-11 (0-0.5)	Soluble	Solid	DI Leach	
880-28368-11 MSD	H-11 (0-0.5)	Soluble	Solid	DI Leach	

Analysis Batch: 53394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28368-1	H-1 (0-0.5)	Soluble	Solid	300.0	53282
880-28368-2	H-2 (0-0.5)	Soluble	Solid	300.0	53282
880-28368-3	H-3 (0-0.5)	Soluble	Solid	300.0	53282
880-28368-4	H-4 (0-0.5)	Soluble	Solid	300.0	53282
880-28368-5	H-5 (0-0.5)	Soluble	Solid	300.0	53282
880-28368-6	H-6 (0-0.5)	Soluble	Solid	300.0	53282
880-28368-7	H-7 (0-0.5)	Soluble	Solid	300.0	53282
880-28368-8	H-8 (0-0.5)	Soluble	Solid	300.0	53282
880-28368-9	H-9 (0-0.5)	Soluble	Solid	300.0	53282
880-28368-10	H-10 (0-0.5)	Soluble	Solid	300.0	53282
880-28368-11	H-11 (0-0.5)	Soluble	Solid	300.0	53282
880-28368-12	H-12 (0-0.5)	Soluble	Solid	300.0	53282
880-28368-13	H-13 (0-0.5)	Soluble	Solid	300.0	53282
880-28368-14	H-14 (0-0.5)	Soluble	Solid	300.0	53282
880-28368-15	H-15 (0-0.5)	Soluble	Solid	300.0	53282
MB 880-53282/1-A	Method Blank	Soluble	Solid	300.0	53282
LCS 880-53282/2-A	Lab Control Sample	Soluble	Solid	300.0	53282
LCSD 880-53282/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	53282
880-28368-1 MS	H-1 (0-0.5)	Soluble	Solid	300.0	53282
880-28368-1 MSD	H-1 (0-0.5)	Soluble	Solid	300.0	53282
880-28368-11 MS	H-11 (0-0.5)	Soluble	Solid	300.0	53282
880-28368-11 MSD	H-11 (0-0.5)	Soluble	Solid	300.0	53282

Lab Chronicle

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28368-1

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53262	05/12/23 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 05:03	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53410	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53374	05/15/23 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53307	05/12/23 21:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53315	05/13/23 11:14	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		1			53394	05/15/23 21:28	SMC	EET MID

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

Lab Sample ID: 880-28368-2

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53262	05/12/23 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 05:24	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53410	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53374	05/15/23 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53307	05/12/23 21:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53315	05/13/23 12:21	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		1			53394	05/15/23 21:44	SMC	EET MID

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

Lab Sample ID: 880-28368-3

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53262	05/12/23 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 05:44	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53410	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53374	05/15/23 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53307	05/12/23 21:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53315	05/13/23 12:43	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		1			53394	05/15/23 21:49	SMC	EET MID

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

Lab Sample ID: 880-28368-4

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53262	05/12/23 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 06:05	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53410	05/15/23 15:51	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28368-4

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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			53374	05/15/23 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53307	05/12/23 21:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53315	05/13/23 13:05	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		1			53394	05/15/23 21:54	SMC	EET MID

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

Lab Sample ID: 880-28368-5

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53262	05/12/23 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 06:25	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53410	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53374	05/15/23 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53307	05/12/23 21:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53315	05/13/23 13:27	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		1			53394	05/15/23 22:00	SMC	EET MID

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

Lab Sample ID: 880-28368-6

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53262	05/12/23 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 06:45	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53410	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53374	05/15/23 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53307	05/12/23 21:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53315	05/13/23 13:49	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		1			53394	05/15/23 22:16	SMC	EET MID

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

Lab Sample ID: 880-28368-7

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53262	05/12/23 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 07:06	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53410	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53374	05/15/23 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53307	05/12/23 21:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53315	05/13/23 14:12	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28368-7

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		1			53394	05/15/23 22:21	SMC	EET MID

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

Lab Sample ID: 880-28368-8

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53262	05/12/23 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 07:26	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53410	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53374	05/15/23 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53307	05/12/23 21:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53315	05/13/23 14:35	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		1			53394	05/15/23 22:26	SMC	EET MID

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

Lab Sample ID: 880-28368-9

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53262	05/12/23 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 07:47	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53410	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53374	05/15/23 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53307	05/12/23 21:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53315	05/13/23 14:57	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		5			53394	05/15/23 22:32	SMC	EET MID

Client Sample ID: H-10 (0-0.5)

Lab Sample ID: 880-28368-10

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53262	05/12/23 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 08:07	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53410	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53374	05/15/23 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53307	05/12/23 21:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53315	05/13/23 15:19	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		5			53394	05/15/23 22:37	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1
SDG: Lea County, NM

Client Sample ID: H-11 (0-0.5)

Lab Sample ID: 880-28368-11

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53262	05/12/23 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 09:58	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53410	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53374	05/15/23 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53307	05/12/23 21:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53315	05/13/23 16:03	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		5			53394	05/15/23 22:42	SMC	EET MID

Client Sample ID: H-12 (0-0.5)

Lab Sample ID: 880-28368-12

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53262	05/12/23 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 10:18	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53410	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53374	05/15/23 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53307	05/12/23 21:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53315	05/13/23 16:24	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		1			53394	05/15/23 22:58	SMC	EET MID

Client Sample ID: H-13 (0-0.5)

Lab Sample ID: 880-28368-13

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53262	05/12/23 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 10:39	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53410	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53374	05/15/23 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53307	05/12/23 21:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53315	05/13/23 16:44	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		1			53394	05/15/23 23:04	SMC	EET MID

Client Sample ID: H-14 (0-0.5)

Lab Sample ID: 880-28368-14

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53262	05/12/23 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 10:59	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53410	05/15/23 15:51	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28368-1
SDG: Lea County, NM

Client Sample ID: H-14 (0-0.5)

Lab Sample ID: 880-28368-14

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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			53374	05/15/23 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53307	05/12/23 21:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53315	05/13/23 17:04	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		1			53394	05/15/23 23:20	SMC	EET MID

Client Sample ID: H-15 (0-0.5)

Lab Sample ID: 880-28368-15

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53262	05/12/23 13:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 11:20	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53410	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53374	05/15/23 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53307	05/12/23 21:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53315	05/13/23 17:25	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		1			53394	05/15/23 23:25	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: Beowulf 33 State CTB

Job ID: 880-28368-1
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	T104704400-22-25	06-30-23

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

Analysis Method	Prep Method	Matrix	Analyte
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: Beowulf 33 State CTB

Job ID: 880-28368-1
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: Beowulf 33 State CTB

Job ID: 880-28368-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-28368-1	H-1 (0-0.5)	Solid	05/11/23 00:00	05/12/23 12:40
880-28368-2	H-2 (0-0.5)	Solid	05/11/23 00:00	05/12/23 12:40
880-28368-3	H-3 (0-0.5)	Solid	05/11/23 00:00	05/12/23 12:40
880-28368-4	H-4 (0-0.5)	Solid	05/11/23 00:00	05/12/23 12:40
880-28368-5	H-5 (0-0.5)	Solid	05/11/23 00:00	05/12/23 12:40
880-28368-6	H-6 (0-0.5)	Solid	05/11/23 00:00	05/12/23 12:40
880-28368-7	H-7 (0-0.5)	Solid	05/11/23 00:00	05/12/23 12:40
880-28368-8	H-8 (0-0.5)	Solid	05/11/23 00:00	05/12/23 12:40
880-28368-9	H-9 (0-0.5)	Solid	05/11/23 00:00	05/12/23 12:40
880-28368-10	H-10 (0-0.5)	Solid	05/11/23 00:00	05/12/23 12:40
880-28368-11	H-11 (0-0.5)	Solid	05/11/23 00:00	05/12/23 12:40
880-28368-12	H-12 (0-0.5)	Solid	05/11/23 00:00	05/12/23 12:40
880-28368-13	H-13 (0-0.5)	Solid	05/11/23 00:00	05/12/23 12:40
880-28368-14	H-14 (0-0.5)	Solid	05/11/23 00:00	05/12/23 12:40
880-28368-15	H-15 (0-0.5)	Solid	05/11/23 00:00	05/12/23 12:40

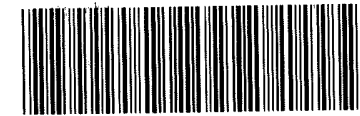
Work Order No: 28368

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 ☐ RC ☐ Perfund ☐
State of Project:	
Reporting Level II	☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables EDD	☐ ADaPT ☐ Other:

Project Name		Beowulf 33 State CTB		Turn Around		ANALYSIS REQUEST												Preservative Codes									
Project Number		2026		☐ Routine ☒ Rush														None NO DI Water: H ₂ O									
Project Location		Lea County, NM		Due Date		72Hrs														Cool Cool MeOH Me							
Sampler's Name		FV/KB																HCL HC HNO ₃ HN									
PO #																		H ₂ SO ₄ H ₂ NaOH Na									
SAMPLE RECEIPT		Temp Blank		Yes ☒ No ☐		Wet Ice:		Yes ☒ No ☐														H ₃ PO ₄ HP					
Received Intact:		Yes ☒ No ☐		Thermometer ID		1128														NaHSO ₄ NABIS							
Cooler Custody Seals		Yes ☐ No ☒ N/A		Correction Factor		-30														Na ₂ S ₂ O ₃ NaSO ₃							
Sample Custody Seals		Yes ☐ No ☒ N/A		Temperature Reading		3.2														Zn Acetate+NaOH Zn							
Total Containers				Corrected Temperature		2.9														NaOH+Ascorbic Acid SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments	
H-1 (0-0 5')		5/11/2023				X				G		1		X X X												402	
H-2 (0-0 5')		5/11/2023				X				G		1		X X X													
H-3 (0-0 5')		5/11/2023				X				G		1		X X X													
H-4 (0-0 5')		5/11/2023				X				G		1		X X X													
H-5 (0-0 5')		5/11/2023				X				G		1		X X X													
H-6 (0-0 5')		5/11/2023				X				G		1		X X X													
H-7 (0-0 5')		5/11/2023				X				G		1		X X X													
H-8 (0-0 5')		5/11/2023				X				G		1		X X X													
H-9 (0-0 5')		5/11/2023				X				G		1		X X X													
H-10 (0-0 5')		5/11/2023				X				G		1		X X X													



880-28368 Chain of Custody

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

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
Fabian Vargas		5/12/23 1240		[Signature]			

Work Order No:

Page 2 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 ☐ RC ☐ Superfund ☐					
State of Project:					
Reporting Level II ☐ Level III ☐ UST/UST ☐ RRP ☐ Level IV ☐					
Deliverables EDD ☐ ADaPT ☐ Other ☐					

[illegible]

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
Fabian Vargas	5/12/23 1240	[Signature]	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-28368-1
SDG Number: Lea County, NM

Login Number: 28368

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	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/17/2023 3:41:42 PM

JOB DESCRIPTION

Beowulf 33 State CTB
SDG NUMBER Lea County, NM

JOB NUMBER

880-28369-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

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
5/17/2023 3:41:42 PM

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

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Laboratory Job ID: 880-28369-1
SDG: Lea County, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
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.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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.

HPLC/IC

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

Glossary

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

Eurofins Midland

Definitions/Glossary

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Glossary (Continued)

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Case Narrative

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Job ID: 880-28369-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-28369-1****Receipt**

The samples were received on 5/12/2023 12:40 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 2.9°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-1') (880-28369-1), S-1 (1.5') (880-28369-2), S-1 (2') (880-28369-3), S-1 (3') (880-28369-4), S-2 (0-1') (880-28369-5), S-2 (1.5') (880-28369-6), S-2 (2') (880-28369-7), S-2 (3') (880-28369-8), S-3 (0-1') (880-28369-9), S-3 (1.5') (880-28369-10), S-3 (2') (880-28369-11), S-3 (3') (880-28369-12), S-3 (4') (880-28369-13), S-4 (0-1') (880-28369-14), S-4 (1.5') (880-28369-15), S-4 (2') (880-28369-16), S-4 (3') (880-28369-17), S-4 (4') (880-28369-18), S-5 (0-1') (880-28369-19), S-5 (1.5') (880-28369-20), S-5 (2') (880-28369-21), S-5 (3') (880-28369-22), S-6 (0-1') (880-28369-23), S-6 (1.5') (880-28369-24), S-6 (2') (880-28369-25), S-6 (3') (880-28369-26), S-7 (0-1') (880-28369-27), S-7 (1.5') (880-28369-28), S-8 (0-1') (880-28369-29), S-8 (1.5') (880-28369-30), S-8 (2') (880-28369-31), S-8 (3') (880-28369-32), S-9 (0-1') (880-28369-33), S-9 (1.5') (880-28369-34), S-9 (2') (880-28369-35), S-9 (3') (880-28369-36), S-9 (4') (880-28369-37), S-10 (0-1') (880-28369-38), S-10 (1.5') (880-28369-39), S-10 (2') (880-28369-40), S-10 (3') (880-28369-41), S-10 (4') (880-28369-42), S-11 (0-1') (880-28369-43), S-11 (1.5') (880-28369-44), S-12 (0-1') (880-28369-45), S-12 (1.5') (880-28369-46), S-12 (2') (880-28369-47), S-12 (3') (880-28369-48), S-12 (4') (880-28369-49), S-13 (0-1') (880-28369-50), S-13 (1.5') (880-28369-51), S-13 (2') (880-28369-52), S-13 (3') (880-28369-53), S-13 (4') (880-28369-54), S-14 (0-1') (880-28369-55), S-14 (1.5') (880-28369-56), S-14 (2') (880-28369-57), S-14 (3') (880-28369-58), S-14 (4') (880-28369-59), S-15 (0-1') (880-28369-60), S-15 (1.5') (880-28369-61), S-15 (2') (880-28369-62), S-15 (3') (880-28369-63), S-15 (4') (880-28369-64), S-16 (0-1') (880-28369-65), S-16 (1.5') (880-28369-66), S-16 (2') (880-28369-67), S-16 (3') (880-28369-68) and S-16 (4') (880-28369-69).

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-53200 recovered above the upper control limit for Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: (CCV 880-53200/20) and (CCV 880-53200/33).

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-53264 and analytical batch 880-53200 was outside acceptance criteria for toluene, ethylbenzene, m-Xylene & p-Xylene, and o-Xylene. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-6 (2') (880-28369-25), S-7 (1.5') (880-28369-28), S-8 (1.5') (880-28369-30), S-8 (2') (880-28369-31), S-9 (0-1') (880-28369-33), S-9 (1.5') (880-28369-34), S-9 (3') (880-28369-36), S-10 (0-1') (880-28369-38) and S-10 (2') (880-28369-40). 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 880-53199 recovered above the upper control limit for Benzene, Toluene and Ethylbenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-53263 and analytical batch 880-53199 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-53199 recovered above the upper control limit for Benzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: (CCV 880-53199/20) and (CCV 880-53199/33).

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-3 (1.5') (880-28369-10), S-4 (4') (880-28369-18) and (LCSD 880-53263/2-A). Evidence of matrix interferences is not obvious.

Case Narrative

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Job ID: 880-28369-1 (Continued)**Laboratory: Eurofins Midland (Continued)**

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-53101 recovered above the upper control limit for Benzene, Toluene, Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. Another CCV was analyzed and acceptable within the 12 hour window, therefore, the data was qualified and reported.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-11 (0-1') (880-28369-43), S-11 (1.5') (880-28369-44), S-12 (0-1') (880-28369-45), S-12 (1.5') (880-28369-46), S-12 (2') (880-28369-47), S-13 (0-1') (880-28369-50), S-14 (1.5') (880-28369-56), S-14 (4') (880-28369-59) and S-15 (0-1') (880-28369-60). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-53203/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-53334 recovered above the upper control limit for Ethylbenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-53242 and analytical batch 880-53337 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-16 (0-1') (880-28369-65), S-16 (1.5') (880-28369-66), S-16 (2') (880-28369-67) and S-16 (3') (880-28369-68). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-53242/5-B). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-12 (1.5') (880-28369-46). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The laboratory control sample duplicate (LCSD) associated with preparation batch 880-53272 and analytical batch 880-53334 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-53491 and analytical batch 880-53488 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-10 (2') (880-28369-40), S-12 (0-1') (880-28369-45) and S-12 (1.5') (880-28369-46). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-53289 and analytical batch 880-53191 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-1 (0-1') (880-28369-1), (880-28369-A-1-F MS) and (880-28369-A-1-G MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Case Narrative

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Job ID: 880-28369-1 (Continued)**Laboratory: Eurofins Midland (Continued)**

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-2 (1.5') (880-28369-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-3 (0-1') (880-28369-9). 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: S-4 (0-1') (880-28369-14) and S-5 (0-1') (880-28369-19). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike (MS) recoveries for preparation batch 880-53289 and analytical batch 880-53191 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-53304 and 880-53306 and analytical batch 880-53318 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCSD 880-53304/3-A) and (LCSD 880-53306/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-12 (3') (880-28369-48), S-13 (1.5') (880-28369-51), S-13 (2') (880-28369-52), S-13 (3') (880-28369-53), S-13 (4') (880-28369-54) and S-14 (0-1') (880-28369-55). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-10 (3') (880-28369-41). 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: S-10 (4') (880-28369-42) and S-11 (1.5') (880-28369-44). 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: S-11 (0-1') (880-28369-43), S-12 (0-1') (880-28369-45), S-12 (1.5') (880-28369-46), S-12 (2') (880-28369-47), S-13 (0-1') (880-28369-50), S-14 (1.5') (880-28369-56), S-14 (2') (880-28369-57), S-14 (3') (880-28369-58), S-14 (4') (880-28369-59) and S-15 (0-1') (880-28369-60). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (880-28372-A-21-D). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-15 (4') (880-28369-64). 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 880-53288 and analytical batch 880-53193 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-9 (0-1') (880-28369-33), S-9 (4') (880-28369-37) and S-10 (0-1') (880-28369-38). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-53288 and analytical batch 880-53193 was outside control limits. Sample non-homogeneity is suspected.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-53379 and analytical batch 880-53324

Case Narrative

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Job ID: 880-28369-1 (Continued)**Laboratory: Eurofins Midland (Continued)**

was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-16 (0-1') (880-28369-65), S-16 (1.5') (880-28369-66) and S-16 (2') (880-28369-67). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-53280 and analytical batch 880-53354 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-53282, 880-53282 and 880-53282 and analytical batch 880-53394 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: S-1 (0-1') (880-28369-1), S-1 (1.5') (880-28369-2), S-1 (2') (880-28369-3), S-1 (3') (880-28369-4) and S-2 (0-1') (880-28369-5).

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-53278 and analytical batch 880-53401 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: S-16 (2') (880-28369-67), S-16 (3') (880-28369-68), S-16 (4') (880-28369-69), (880-28369-A-67-C MS) and (880-28369-A-67-D 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: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28369-1

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U **	0.00201		mg/Kg		05/12/23 13:21	05/12/23 17:28	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:21	05/12/23 17:28	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:21	05/12/23 17:28	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/12/23 13:21	05/12/23 17:28	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:21	05/12/23 17:28	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/12/23 13:21	05/12/23 17:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	05/12/23 13:21	05/12/23 17:28	1
1,4-Difluorobenzene (Surr)	92		70 - 130	05/12/23 13:21	05/12/23 17:28	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			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/23 12:58	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	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/12/23 21:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		05/12/23 16:39	05/12/23 21:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/12/23 21:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	05/12/23 16:39	05/12/23 21:23	1
o-Terphenyl	68	S1-	70 - 130	05/12/23 16:39	05/12/23 21:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	73.1		5.02		mg/Kg			05/15/23 23:31	1

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-28369-2

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:21	05/12/23 17:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 17:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 17:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/12/23 13:21	05/12/23 17:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 17:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/12/23 13:21	05/12/23 17:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	05/12/23 13:21	05/12/23 17:48	1
1,4-Difluorobenzene (Surr)	98		70 - 130	05/12/23 13:21	05/12/23 17:48	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-28369-2

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/23 12:58	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	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/12/23 22:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/12/23 22:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/12/23 22:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				05/12/23 16:39	05/12/23 22:28	1
o-Terphenyl	72		70 - 130				05/12/23 16:39	05/12/23 22:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.9		4.99		mg/Kg			05/15/23 23:36	1

Client Sample ID: S-1 (2')

Lab Sample ID: 880-28369-3

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:21	05/12/23 18:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 18:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 18:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/12/23 13:21	05/12/23 18:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 18:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/12/23 13:21	05/12/23 18:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				05/12/23 13:21	05/12/23 18:09	1
1,4-Difluorobenzene (Surr)	109		70 - 130				05/12/23 13:21	05/12/23 18:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/15/23 12:58	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	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/12/23 22:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/12/23 22:49	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-1 (2')

Lab Sample ID: 880-28369-3

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/12/23 22:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				05/12/23 16:39	05/12/23 22:49	1
o-Terphenyl	75		70 - 130				05/12/23 16:39	05/12/23 22:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.8		4.98		mg/Kg			05/15/23 23:41	1

Client Sample ID: S-1 (3')

Lab Sample ID: 880-28369-4

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *	0.00200		mg/Kg		05/12/23 13:21	05/12/23 18:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/12/23 18:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/12/23 18:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/12/23 13:21	05/12/23 18:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/12/23 18:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/12/23 13:21	05/12/23 18:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				05/12/23 13:21	05/12/23 18:29	1
1,4-Difluorobenzene (Surr)	109		70 - 130				05/12/23 13:21	05/12/23 18:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/15/23 12:58	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	<49.8	U	49.8		mg/Kg		05/12/23 16:39	05/12/23 23:11	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/23 16:39	05/12/23 23:11	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/23 16:39	05/12/23 23:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				05/12/23 16:39	05/12/23 23:11	1
o-Terphenyl	77		70 - 130				05/12/23 16:39	05/12/23 23:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45.9		5.00		mg/Kg			05/15/23 23:47	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-2 (0-1')

Lab Sample ID: 880-28369-5

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U **	0.00201		mg/Kg		05/12/23 13:21	05/12/23 18:49	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:21	05/12/23 18:49	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:21	05/12/23 18:49	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/12/23 13:21	05/12/23 18:49	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:21	05/12/23 18:49	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/12/23 13:21	05/12/23 18:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	05/12/23 13:21	05/12/23 18:49	1
1,4-Difluorobenzene (Surr)	96		70 - 130	05/12/23 13:21	05/12/23 18:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/23 12:58	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	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/12/23 23:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/12/23 23:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/12/23 23:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	05/12/23 16:39	05/12/23 23:33	1
o-Terphenyl	78		70 - 130	05/12/23 16:39	05/12/23 23:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.4		4.96		mg/Kg			05/15/23 23:52	1

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-28369-6

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U **	0.00202		mg/Kg		05/12/23 13:21	05/12/23 19:10	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/12/23 13:21	05/12/23 19:10	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/12/23 13:21	05/12/23 19:10	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/12/23 13:21	05/12/23 19:10	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/12/23 13:21	05/12/23 19:10	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/12/23 13:21	05/12/23 19:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	05/12/23 13:21	05/12/23 19:10	1
1,4-Difluorobenzene (Surr)	108		70 - 130	05/12/23 13:21	05/12/23 19:10	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-28369-6

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/15/23 12:58	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	<49.8	U	49.8		mg/Kg		05/12/23 16:39	05/12/23 23:54	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/23 16:39	05/12/23 23:54	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/23 16:39	05/12/23 23:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	191	S1+	70 - 130				05/12/23 16:39	05/12/23 23:54	1
o-Terphenyl	143	S1+	70 - 130				05/12/23 16:39	05/12/23 23:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.8		4.97		mg/Kg			05/15/23 08:48	1

Client Sample ID: S-2 (2')

Lab Sample ID: 880-28369-7

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:21	05/12/23 19:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 19:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 19:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/12/23 13:21	05/12/23 19:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 19:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/12/23 13:21	05/12/23 19:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				05/12/23 13:21	05/12/23 19:30	1
1,4-Difluorobenzene (Surr)	116		70 - 130				05/12/23 13:21	05/12/23 19:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/23 12:58	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	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/13/23 00:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/13/23 00:15	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-2 (2')

Lab Sample ID: 880-28369-7

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/13/23 00:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				05/12/23 16:39	05/13/23 00:15	1
o-Terphenyl	77		70 - 130				05/12/23 16:39	05/13/23 00:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.9		5.03		mg/Kg			05/15/23 09:05	1

Client Sample ID: S-2 (3')

Lab Sample ID: 880-28369-8

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *	0.00199		mg/Kg		05/12/23 13:21	05/12/23 19:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 19:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 19:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/12/23 13:21	05/12/23 19:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 19:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/12/23 13:21	05/12/23 19:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				05/12/23 13:21	05/12/23 19:51	1
1,4-Difluorobenzene (Surr)	99		70 - 130				05/12/23 13:21	05/12/23 19:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/23 12:58	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	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/13/23 00:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/13/23 00:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/13/23 00:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				05/12/23 16:39	05/13/23 00:37	1
o-Terphenyl	81		70 - 130				05/12/23 16:39	05/13/23 00:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.2		5.02		mg/Kg			05/15/23 09:10	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-3 (0-1')

Lab Sample ID: 880-28369-9

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U **	0.00200		mg/Kg		05/12/23 13:21	05/12/23 20:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/12/23 20:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/12/23 20:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/12/23 13:21	05/12/23 20:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/12/23 20:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/12/23 13:21	05/12/23 20:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	05/12/23 13:21	05/12/23 20:11	1
1,4-Difluorobenzene (Surr)	107		70 - 130	05/12/23 13:21	05/12/23 20:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/15/23 12:58	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	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/13/23 00:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/13/23 00:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/13/23 00:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	05/12/23 16:39	05/13/23 00:58	1
o-Terphenyl	62	S1-	70 - 130	05/12/23 16:39	05/13/23 00:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.9		4.97		mg/Kg			05/15/23 09:15	1

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-28369-10

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U **	0.00200		mg/Kg		05/12/23 13:21	05/12/23 20:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/12/23 20:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/12/23 20:31	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/12/23 13:21	05/12/23 20:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/12/23 20:31	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/12/23 13:21	05/12/23 20:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130	05/12/23 13:21	05/12/23 20:31	1
1,4-Difluorobenzene (Surr)	118		70 - 130	05/12/23 13:21	05/12/23 20:31	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-28369-10

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/15/23 12:58	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	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/13/23 01:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/13/23 01:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/13/23 01:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				05/12/23 16:39	05/13/23 01:19	1
o-Terphenyl	76		70 - 130				05/12/23 16:39	05/13/23 01:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.2		5.01		mg/Kg			05/15/23 09:21	1

Client Sample ID: S-3 (2')

Lab Sample ID: 880-28369-11

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:21	05/12/23 22:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 22:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 22:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/12/23 13:21	05/12/23 22:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 22:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/12/23 13:21	05/12/23 22:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				05/12/23 13:21	05/12/23 22:22	1
1,4-Difluorobenzene (Surr)	99		70 - 130				05/12/23 13:21	05/12/23 22:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/15/23 12:58	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	<49.8	U	49.8		mg/Kg		05/12/23 16:39	05/13/23 02:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/23 16:39	05/13/23 02:02	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-3 (2')

Lab Sample ID: 880-28369-11

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/23 16:39	05/13/23 02:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				05/12/23 16:39	05/13/23 02:02	1
o-Terphenyl	83		70 - 130				05/12/23 16:39	05/13/23 02:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.5		4.95		mg/Kg			05/15/23 10:04	1

Client Sample ID: S-3 (3')

Lab Sample ID: 880-28369-12

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *	0.00201		mg/Kg		05/12/23 13:21	05/12/23 22:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:21	05/12/23 22:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:21	05/12/23 22:42	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/12/23 13:21	05/12/23 22:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:21	05/12/23 22:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/12/23 13:21	05/12/23 22:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				05/12/23 13:21	05/12/23 22:42	1
1,4-Difluorobenzene (Surr)	106		70 - 130				05/12/23 13:21	05/12/23 22:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/15/23 12:58	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	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/13/23 02:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/13/23 02:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/13/23 02:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				05/12/23 16:39	05/13/23 02:24	1
o-Terphenyl	92		70 - 130				05/12/23 16:39	05/13/23 02:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.7		4.96		mg/Kg			05/15/23 10:09	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-3 (4')

Lab Sample ID: 880-28369-13

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U **	0.00202		mg/Kg		05/12/23 13:21	05/12/23 23:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/12/23 13:21	05/12/23 23:03	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/12/23 13:21	05/12/23 23:03	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/12/23 13:21	05/12/23 23:03	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/12/23 13:21	05/12/23 23:03	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/12/23 13:21	05/12/23 23:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	05/12/23 13:21	05/12/23 23:03	1
1,4-Difluorobenzene (Surr)	109		70 - 130	05/12/23 13:21	05/12/23 23:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/15/23 12:58	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	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/13/23 02:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/13/23 02:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/13/23 02:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	05/12/23 16:39	05/13/23 02:45	1
o-Terphenyl	82		70 - 130	05/12/23 16:39	05/13/23 02:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.7		5.05		mg/Kg			05/15/23 10:14	1

Client Sample ID: S-4 (0-1')

Lab Sample ID: 880-28369-14

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:21	05/12/23 23:23	1
Toluene	0.00268		0.00199		mg/Kg		05/12/23 13:21	05/12/23 23:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 23:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/12/23 13:21	05/12/23 23:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 23:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/12/23 13:21	05/12/23 23:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	05/12/23 13:21	05/12/23 23:23	1
1,4-Difluorobenzene (Surr)	109		70 - 130	05/12/23 13:21	05/12/23 23:23	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-4 (0-1')

Lab Sample ID: 880-28369-14

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/15/23 12:58	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	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/13/23 03:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/13/23 03:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/13/23 03:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				05/12/23 16:39	05/13/23 03:07	1
o-Terphenyl	65	S1-	70 - 130				05/12/23 16:39	05/13/23 03:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.8		5.05		mg/Kg			05/15/23 10:20	1

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-28369-15

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:21	05/12/23 23:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 23:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 23:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/12/23 13:21	05/12/23 23:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/12/23 23:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/12/23 13:21	05/12/23 23:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				05/12/23 13:21	05/12/23 23:43	1
1,4-Difluorobenzene (Surr)	106		70 - 130				05/12/23 13:21	05/12/23 23:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/15/23 12:58	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	<49.8	U	49.8		mg/Kg		05/12/23 16:39	05/13/23 03:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/23 16:39	05/13/23 03:28	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-28369-15

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/23 16:39	05/13/23 03:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				05/12/23 16:39	05/13/23 03:28	1
o-Terphenyl	81		70 - 130				05/12/23 16:39	05/13/23 03:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.2		4.98		mg/Kg			05/15/23 10:25	1

Client Sample ID: S-4 (2')

Lab Sample ID: 880-28369-16

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *	0.00200		mg/Kg		05/12/23 13:21	05/13/23 00:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/13/23 00:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/13/23 00:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/12/23 13:21	05/13/23 00:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/13/23 00:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/12/23 13:21	05/13/23 00:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				05/12/23 13:21	05/13/23 00:04	1
1,4-Difluorobenzene (Surr)	105		70 - 130				05/12/23 13:21	05/13/23 00:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/15/23 12:58	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	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/13/23 03:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/13/23 03:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/13/23 03:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				05/12/23 16:39	05/13/23 03:50	1
o-Terphenyl	82		70 - 130				05/12/23 16:39	05/13/23 03:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.0		5.03		mg/Kg			05/15/23 10:30	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-4 (3')

Lab Sample ID: 880-28369-17

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U **	0.00198		mg/Kg		05/12/23 13:21	05/13/23 00:24	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/12/23 13:21	05/13/23 00:24	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/12/23 13:21	05/13/23 00:24	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/12/23 13:21	05/13/23 00:24	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/12/23 13:21	05/13/23 00:24	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/12/23 13:21	05/13/23 00:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	05/12/23 13:21	05/13/23 00:24	1
1,4-Difluorobenzene (Surr)	105		70 - 130	05/12/23 13:21	05/13/23 00:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/23 12:58	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	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/13/23 04:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/13/23 04:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/13/23 04:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	05/12/23 16:39	05/13/23 04:12	1
o-Terphenyl	78		70 - 130	05/12/23 16:39	05/13/23 04:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.7		5.01		mg/Kg			05/15/23 10:46	1

Client Sample ID: S-4 (4')

Lab Sample ID: 880-28369-18

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U **	0.00200		mg/Kg		05/12/23 13:21	05/13/23 00:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/13/23 00:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/13/23 00:44	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/12/23 13:21	05/13/23 00:44	1
o-Xylene	0.00341		0.00200		mg/Kg		05/12/23 13:21	05/13/23 00:44	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/12/23 13:21	05/13/23 00:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	199	S1+	70 - 130	05/12/23 13:21	05/13/23 00:44	1
1,4-Difluorobenzene (Surr)	115		70 - 130	05/12/23 13:21	05/13/23 00:44	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-4 (4')

Lab Sample ID: 880-28369-18

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/15/23 12:58	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	<49.8	U	49.8		mg/Kg		05/12/23 16:39	05/13/23 04:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/23 16:39	05/13/23 04:33	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/23 16:39	05/13/23 04:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				05/12/23 16:39	05/13/23 04:33	1
o-Terphenyl	83		70 - 130				05/12/23 16:39	05/13/23 04:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.6		4.97		mg/Kg			05/15/23 10:52	1

Client Sample ID: S-5 (0-1')

Lab Sample ID: 880-28369-19

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U **	0.00202		mg/Kg		05/12/23 13:21	05/13/23 01:05	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/12/23 13:21	05/13/23 01:05	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/12/23 13:21	05/13/23 01:05	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/12/23 13:21	05/13/23 01:05	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/12/23 13:21	05/13/23 01:05	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/12/23 13:21	05/13/23 01:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				05/12/23 13:21	05/13/23 01:05	1
1,4-Difluorobenzene (Surr)	104		70 - 130				05/12/23 13:21	05/13/23 01:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/23 12:58	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	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/13/23 04:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/13/23 04:55	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-5 (0-1')

Lab Sample ID: 880-28369-19

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 16:39	05/13/23 04:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				05/12/23 16:39	05/13/23 04:55	1
o-Terphenyl	67	S1-	70 - 130				05/12/23 16:39	05/13/23 04:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.8		4.96		mg/Kg			05/15/23 11:08	1

Client Sample ID: S-5 (1.5')

Lab Sample ID: 880-28369-20

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *	0.00199		mg/Kg		05/12/23 13:21	05/13/23 01:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/13/23 01:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/13/23 01:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/12/23 13:21	05/13/23 01:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:21	05/13/23 01:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/12/23 13:21	05/13/23 01:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				05/12/23 13:21	05/13/23 01:25	1
1,4-Difluorobenzene (Surr)	100		70 - 130				05/12/23 13:21	05/13/23 01:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/23 15:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/15/23 12:58	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	<49.8	U	49.8		mg/Kg		05/12/23 16:39	05/13/23 05:17	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/23 16:39	05/13/23 05:17	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/23 16:39	05/13/23 05:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				05/12/23 16:39	05/13/23 05:17	1
o-Terphenyl	75		70 - 130				05/12/23 16:39	05/13/23 05:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.1		5.03		mg/Kg			05/15/23 11:13	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-5 (2')

Lab Sample ID: 880-28369-21

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F1	0.00201		mg/Kg		05/12/23 13:23	05/13/23 00:13	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:23	05/13/23 00:13	1
Ethylbenzene	<0.00201	U **	0.00201		mg/Kg		05/12/23 13:23	05/13/23 00:13	1
m-Xylene & p-Xylene	<0.00402	U **	0.00402		mg/Kg		05/12/23 13:23	05/13/23 00:13	1
o-Xylene	<0.00201	U **	0.00201		mg/Kg		05/12/23 13:23	05/13/23 00:13	1
Xylenes, Total	<0.00402	U **	0.00402		mg/Kg		05/12/23 13:23	05/13/23 00:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	05/12/23 13:23	05/13/23 00:13	1
1,4-Difluorobenzene (Surr)	97		70 - 130	05/12/23 13:23	05/13/23 00:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/15/23 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/15/23 17:09	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	<50.0	U F2	50.0		mg/Kg		05/12/23 16:36	05/12/23 21:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 16:36	05/12/23 21:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 16:36	05/12/23 21:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	05/12/23 16:36	05/12/23 21:23	1
o-Terphenyl	115		70 - 130	05/12/23 16:36	05/12/23 21:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.6		5.02		mg/Kg			05/15/23 11:19	1

Client Sample ID: S-5 (3')

Lab Sample ID: 880-28369-22

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:23	05/13/23 00:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:23	05/13/23 00:34	1
Ethylbenzene	<0.00200	U **	0.00200		mg/Kg		05/12/23 13:23	05/13/23 00:34	1
m-Xylene & p-Xylene	<0.00401	U **	0.00401		mg/Kg		05/12/23 13:23	05/13/23 00:34	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		05/12/23 13:23	05/13/23 00:34	1
Xylenes, Total	<0.00401	U **	0.00401		mg/Kg		05/12/23 13:23	05/13/23 00:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	05/12/23 13:23	05/13/23 00:34	1
1,4-Difluorobenzene (Surr)	105		70 - 130	05/12/23 13:23	05/13/23 00:34	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-5 (3')

Lab Sample ID: 880-28369-22

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/15/23 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/23 17:09	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		05/12/23 16:36	05/12/23 22:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 16:36	05/12/23 22:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 16:36	05/12/23 22:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				05/12/23 16:36	05/12/23 22:28	1
o-Terphenyl	105		70 - 130				05/12/23 16:36	05/12/23 22:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.0		4.99		mg/Kg			05/15/23 11:24	1

Client Sample ID: S-6 (0-1')

Lab Sample ID: 880-28369-23

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 14:20	05/15/23 15:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/23 14:20	05/15/23 15:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/23 14:20	05/15/23 15:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/12/23 14:20	05/15/23 15:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/12/23 14:20	05/15/23 15:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/12/23 14:20	05/15/23 15:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130				05/12/23 14:20	05/15/23 15:22	1
1,4-Difluorobenzene (Surr)	90		70 - 130				05/12/23 14:20	05/15/23 15:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/16/23 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/23 17:09	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		05/12/23 16:36	05/12/23 22:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 16:36	05/12/23 22:49	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-6 (0-1')

Lab Sample ID: 880-28369-23

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 16:36	05/12/23 22:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				05/12/23 16:36	05/12/23 22:49	1
o-Terphenyl	94		70 - 130				05/12/23 16:36	05/12/23 22:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.7		4.98		mg/Kg			05/15/23 11:29	1

Client Sample ID: S-6 (1.5')

Lab Sample ID: 880-28369-24

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:23	05/13/23 01:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:23	05/13/23 01:16	1
Ethylbenzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:23	05/13/23 01:16	1
m-Xylene & p-Xylene	<0.00398	U **	0.00398		mg/Kg		05/12/23 13:23	05/13/23 01:16	1
o-Xylene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:23	05/13/23 01:16	1
Xylenes, Total	<0.00398	U **	0.00398		mg/Kg		05/12/23 13:23	05/13/23 01:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				05/12/23 13:23	05/13/23 01:16	1
1,4-Difluorobenzene (Surr)	107		70 - 130				05/12/23 13:23	05/13/23 01:16	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			05/15/23 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/15/23 17:09	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	<50.0	U	50.0		mg/Kg		05/12/23 16:36	05/12/23 23:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 16:36	05/12/23 23:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 16:36	05/12/23 23:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				05/12/23 16:36	05/12/23 23:11	1
o-Terphenyl	113		70 - 130				05/12/23 16:36	05/12/23 23:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.1		5.00		mg/Kg			05/15/23 11:35	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-6 (2')

Lab Sample ID: 880-28369-25

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:23	05/13/23 01:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:23	05/13/23 01:36	1
Ethylbenzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:23	05/13/23 01:36	1
m-Xylene & p-Xylene	<0.00398	U **	0.00398		mg/Kg		05/12/23 13:23	05/13/23 01:36	1
o-Xylene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:23	05/13/23 01:36	1
Xylenes, Total	<0.00398	U **	0.00398		mg/Kg		05/12/23 13:23	05/13/23 01:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130	05/12/23 13:23	05/13/23 01:36	1
1,4-Difluorobenzene (Surr)	100		70 - 130	05/12/23 13:23	05/13/23 01:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/23 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/23 17:09	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		05/12/23 16:36	05/12/23 23:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 16:36	05/12/23 23:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 16:36	05/12/23 23:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	05/12/23 16:36	05/12/23 23:33	1
o-Terphenyl	105		70 - 130	05/12/23 16:36	05/12/23 23:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.5		5.01		mg/Kg			05/15/23 11:40	1

Client Sample ID: S-6 (3')

Lab Sample ID: 880-28369-26

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:23	05/13/23 01:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:23	05/13/23 01:57	1
Ethylbenzene	<0.00200	U **	0.00200		mg/Kg		05/12/23 13:23	05/13/23 01:57	1
m-Xylene & p-Xylene	<0.00399	U **	0.00399		mg/Kg		05/12/23 13:23	05/13/23 01:57	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		05/12/23 13:23	05/13/23 01:57	1
Xylenes, Total	<0.00399	U **	0.00399		mg/Kg		05/12/23 13:23	05/13/23 01:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	05/12/23 13:23	05/13/23 01:57	1
1,4-Difluorobenzene (Surr)	95		70 - 130	05/12/23 13:23	05/13/23 01:57	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-6 (3')

Lab Sample ID: 880-28369-26

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/15/23 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/15/23 17:09	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	<49.8	U	49.8		mg/Kg		05/12/23 16:36	05/12/23 23:54	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/23 16:36	05/12/23 23:54	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/23 16:36	05/12/23 23:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				05/12/23 16:36	05/12/23 23:54	1
o-Terphenyl	126		70 - 130				05/12/23 16:36	05/12/23 23:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57.9		5.02		mg/Kg			05/15/23 12:23	1

Client Sample ID: S-7 (0-1')

Lab Sample ID: 880-28369-27

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:23	05/13/23 02:18	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:23	05/13/23 02:18	1
Ethylbenzene	<0.00201	U **	0.00201		mg/Kg		05/12/23 13:23	05/13/23 02:18	1
m-Xylene & p-Xylene	<0.00402	U **	0.00402		mg/Kg		05/12/23 13:23	05/13/23 02:18	1
o-Xylene	<0.00201	U **	0.00201		mg/Kg		05/12/23 13:23	05/13/23 02:18	1
Xylenes, Total	<0.00402	U **	0.00402		mg/Kg		05/12/23 13:23	05/13/23 02:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				05/12/23 13:23	05/13/23 02:18	1
1,4-Difluorobenzene (Surr)	107		70 - 130				05/12/23 13:23	05/13/23 02:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/15/23 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3510		49.8		mg/Kg			05/15/23 17:09	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	<49.8	U	49.8		mg/Kg		05/12/23 16:36	05/13/23 04:33	1
Diesel Range Organics (Over C10-C28)	3150		49.8		mg/Kg		05/12/23 16:36	05/13/23 04:33	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-7 (0-1')

Lab Sample ID: 880-28369-27

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	361		49.8		mg/Kg		05/12/23 16:36	05/13/23 04:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				05/12/23 16:36	05/13/23 04:33	1
o-Terphenyl	120		70 - 130				05/12/23 16:36	05/13/23 04:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1260		25.3		mg/Kg			05/15/23 12:39	5

Client Sample ID: S-7 (1.5')

Lab Sample ID: 880-28369-28

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U **	0.00200		mg/Kg		05/12/23 14:20	05/15/23 16:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 14:20	05/15/23 16:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 14:20	05/15/23 16:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/12/23 14:20	05/15/23 16:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 14:20	05/15/23 16:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/12/23 14:20	05/15/23 16:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				05/12/23 14:20	05/15/23 16:03	1
1,4-Difluorobenzene (Surr)	96		70 - 130				05/12/23 14:20	05/15/23 16:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/16/23 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	336		50.0		mg/Kg			05/15/23 17:09	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	<50.0	U	50.0		mg/Kg		05/12/23 16:36	05/13/23 00:15	1
Diesel Range Organics (Over C10-C28)	336		50.0		mg/Kg		05/12/23 16:36	05/13/23 00:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 16:36	05/13/23 00:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				05/12/23 16:36	05/13/23 00:15	1
o-Terphenyl	109		70 - 130				05/12/23 16:36	05/13/23 00:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	426		24.9		mg/Kg			05/15/23 12:45	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-8 (0-1')

Lab Sample ID: 880-28369-29

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:23	05/13/23 02:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:23	05/13/23 02:59	1
Ethylbenzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:23	05/13/23 02:59	1
m-Xylene & p-Xylene	<0.00398	U **	0.00398		mg/Kg		05/12/23 13:23	05/13/23 02:59	1
o-Xylene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:23	05/13/23 02:59	1
Xylenes, Total	<0.00398	U **	0.00398		mg/Kg		05/12/23 13:23	05/13/23 02:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	05/12/23 13:23	05/13/23 02:59	1
1,4-Difluorobenzene (Surr)	106		70 - 130	05/12/23 13:23	05/13/23 02:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/23 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/23 17:09	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		05/12/23 16:36	05/13/23 00:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 16:36	05/13/23 00:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 16:36	05/13/23 00:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	05/12/23 16:36	05/13/23 00:37	1
o-Terphenyl	115		70 - 130	05/12/23 16:36	05/13/23 00:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.5		4.96		mg/Kg			05/15/23 12:50	1

Client Sample ID: S-8 (1.5')

Lab Sample ID: 880-28369-30

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:23	05/13/23 03:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:23	05/13/23 03:20	1
Ethylbenzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:23	05/13/23 03:20	1
m-Xylene & p-Xylene	<0.00398	U **	0.00398		mg/Kg		05/12/23 13:23	05/13/23 03:20	1
o-Xylene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:23	05/13/23 03:20	1
Xylenes, Total	<0.00398	U **	0.00398		mg/Kg		05/12/23 13:23	05/13/23 03:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130	05/12/23 13:23	05/13/23 03:20	1
1,4-Difluorobenzene (Surr)	110		70 - 130	05/12/23 13:23	05/13/23 03:20	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-8 (1.5')

Lab Sample ID: 880-28369-30

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/23 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/23 17:09	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		05/12/23 16:36	05/13/23 00:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 16:36	05/13/23 00:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 16:36	05/13/23 00:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				05/12/23 16:36	05/13/23 00:58	1
o-Terphenyl	106		70 - 130				05/12/23 16:36	05/13/23 00:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.7		5.00		mg/Kg			05/15/23 12:55	1

Client Sample ID: S-8 (2')

Lab Sample ID: 880-28369-31

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:23	05/13/23 04:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:23	05/13/23 04:45	1
Ethylbenzene	<0.00200	U **	0.00200		mg/Kg		05/12/23 13:23	05/13/23 04:45	1
m-Xylene & p-Xylene	<0.00399	U **	0.00399		mg/Kg		05/12/23 13:23	05/13/23 04:45	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		05/12/23 13:23	05/13/23 04:45	1
Xylenes, Total	<0.00399	U **	0.00399		mg/Kg		05/12/23 13:23	05/13/23 04:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				05/12/23 13:23	05/13/23 04:45	1
1,4-Difluorobenzene (Surr)	93		70 - 130				05/12/23 13:23	05/13/23 04:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/15/23 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/15/23 17:09	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	<49.8	U	49.8		mg/Kg		05/12/23 16:36	05/13/23 01:19	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/23 16:36	05/13/23 01:19	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-8 (2')

Lab Sample ID: 880-28369-31

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/23 16:36	05/13/23 01:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				05/12/23 16:36	05/13/23 01:19	1
o-Terphenyl	130		70 - 130				05/12/23 16:36	05/13/23 01:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.1		5.03		mg/Kg			05/15/23 13:11	1

Client Sample ID: S-8 (3')

Lab Sample ID: 880-28369-32

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:23	05/13/23 05:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:23	05/13/23 05:06	1
Ethylbenzene	<0.00201	U **	0.00201		mg/Kg		05/12/23 13:23	05/13/23 05:06	1
m-Xylene & p-Xylene	<0.00402	U **	0.00402		mg/Kg		05/12/23 13:23	05/13/23 05:06	1
o-Xylene	<0.00201	U **	0.00201		mg/Kg		05/12/23 13:23	05/13/23 05:06	1
Xylenes, Total	<0.00402	U **	0.00402		mg/Kg		05/12/23 13:23	05/13/23 05:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				05/12/23 13:23	05/13/23 05:06	1
1,4-Difluorobenzene (Surr)	110		70 - 130				05/12/23 13:23	05/13/23 05:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/15/23 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/15/23 17:09	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	<49.8	U	49.8		mg/Kg		05/12/23 16:36	05/13/23 02:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/23 16:36	05/13/23 02:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/23 16:36	05/13/23 02:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				05/12/23 16:36	05/13/23 02:02	1
o-Terphenyl	114		70 - 130				05/12/23 16:36	05/13/23 02:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.2		5.01		mg/Kg			05/15/23 13:17	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-9 (0-1')

Lab Sample ID: 880-28369-33

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.101	U	0.101		mg/Kg		05/12/23 13:23	05/13/23 06:08	50
Toluene	<0.101	U	0.101		mg/Kg		05/12/23 13:23	05/13/23 06:08	50
Ethylbenzene	1.78	++	0.101		mg/Kg		05/12/23 13:23	05/13/23 06:08	50
m-Xylene & p-Xylene	6.21	++	0.202		mg/Kg		05/12/23 13:23	05/13/23 06:08	50
o-Xylene	2.82	++	0.101		mg/Kg		05/12/23 13:23	05/13/23 06:08	50
Xylenes, Total	9.03	++	0.202		mg/Kg		05/12/23 13:23	05/13/23 06:08	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130	05/12/23 13:23	05/13/23 06:08	50
1,4-Difluorobenzene (Surr)	96		70 - 130	05/12/23 13:23	05/13/23 06:08	50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	10.8		0.202		mg/Kg			05/15/23 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	10200		250		mg/Kg			05/15/23 17:09	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	334		250		mg/Kg		05/12/23 16:36	05/13/23 03:50	5
Diesel Range Organics (Over C10-C28)	8840		250		mg/Kg		05/12/23 16:36	05/13/23 03:50	5
Oil Range Organics (Over C28-C36)	1060		250		mg/Kg		05/12/23 16:36	05/13/23 03:50	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	05/12/23 16:36	05/13/23 03:50	5
o-Terphenyl	214	S1+	70 - 130	05/12/23 16:36	05/13/23 03:50	5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2550		25.0		mg/Kg			05/15/23 13:22	5

Client Sample ID: S-9 (1.5')

Lab Sample ID: 880-28369-34

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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		05/12/23 13:23	05/13/23 06:29	50
Toluene	0.129		0.0996		mg/Kg		05/12/23 13:23	05/13/23 06:29	50
Ethylbenzene	1.75	++	0.0996		mg/Kg		05/12/23 13:23	05/13/23 06:29	50
m-Xylene & p-Xylene	7.06	++	0.199		mg/Kg		05/12/23 13:23	05/13/23 06:29	50
o-Xylene	3.37	++	0.0996		mg/Kg		05/12/23 13:23	05/13/23 06:29	50
Xylenes, Total	10.4	++	0.199		mg/Kg		05/12/23 13:23	05/13/23 06:29	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	171	S1+	70 - 130	05/12/23 13:23	05/13/23 06:29	50
1,4-Difluorobenzene (Surr)	98		70 - 130	05/12/23 13:23	05/13/23 06:29	50

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-9 (1.5')

Lab Sample ID: 880-28369-34

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	12.3		0.199		mg/Kg			05/15/23 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	4190		49.9		mg/Kg			05/15/23 17:09	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	208		49.9		mg/Kg		05/12/23 16:36	05/13/23 04:12	1
Diesel Range Organics (Over C10-C28)	3620		49.9		mg/Kg		05/12/23 16:36	05/13/23 04:12	1
Oil Range Organics (Over C28-C36)	365		49.9		mg/Kg		05/12/23 16:36	05/13/23 04:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				05/12/23 16:36	05/13/23 04:12	1
o-Terphenyl	109		70 - 130				05/12/23 16:36	05/13/23 04:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	274		5.03		mg/Kg			05/15/23 13:27	1

Client Sample ID: S-9 (2')

Lab Sample ID: 880-28369-35

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:23	05/13/23 05:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:23	05/13/23 05:27	1
Ethylbenzene	<0.00199	U *	0.00199		mg/Kg		05/12/23 13:23	05/13/23 05:27	1
m-Xylene & p-Xylene	<0.00398	U *	0.00398		mg/Kg		05/12/23 13:23	05/13/23 05:27	1
o-Xylene	<0.00199	U *	0.00199		mg/Kg		05/12/23 13:23	05/13/23 05:27	1
Xylenes, Total	<0.00398	U *	0.00398		mg/Kg		05/12/23 13:23	05/13/23 05:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				05/12/23 13:23	05/13/23 05:27	1
1,4-Difluorobenzene (Surr)	103		70 - 130				05/12/23 13:23	05/13/23 05:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/23 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/15/23 17:09	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	<50.0	U	50.0		mg/Kg		05/12/23 16:36	05/13/23 02:24	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-9 (2')

Lab Sample ID: 880-28369-35

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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)	<50.0	U	50.0		mg/Kg		05/12/23 16:36	05/13/23 02:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 16:36	05/13/23 02:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				05/12/23 16:36	05/13/23 02:24	1
o-Terphenyl	108		70 - 130				05/12/23 16:36	05/13/23 02:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	128		4.98		mg/Kg			05/15/23 13:33	1

Client Sample ID: S-9 (3')

Lab Sample ID: 880-28369-36

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0399	U	0.0399		mg/Kg		05/12/23 13:23	05/13/23 06:50	20
Toluene	0.0565		0.0399		mg/Kg		05/12/23 13:23	05/13/23 06:50	20
Ethylbenzene	0.125	*+	0.0399		mg/Kg		05/12/23 13:23	05/13/23 06:50	20
m-Xylene & p-Xylene	0.576	*+	0.0798		mg/Kg		05/12/23 13:23	05/13/23 06:50	20
o-Xylene	0.259	*+	0.0399		mg/Kg		05/12/23 13:23	05/13/23 06:50	20
Xylenes, Total	0.835	*+	0.0798		mg/Kg		05/12/23 13:23	05/13/23 06:50	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130				05/12/23 13:23	05/13/23 06:50	20
1,4-Difluorobenzene (Surr)	0.04	S1-	70 - 130				05/12/23 13:23	05/13/23 06:50	20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1.02		0.0798		mg/Kg			05/15/23 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	766		50.0		mg/Kg			05/15/23 17:09	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	<50.0	U	50.0		mg/Kg		05/12/23 16:36	05/13/23 04:55	1
Diesel Range Organics (Over C10-C28)	670		50.0		mg/Kg		05/12/23 16:36	05/13/23 04:55	1
Oil Range Organics (Over C28-C36)	95.7		50.0		mg/Kg		05/12/23 16:36	05/13/23 04:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				05/12/23 16:36	05/13/23 04:55	1
o-Terphenyl	111		70 - 130				05/12/23 16:36	05/13/23 04:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	316	F1	4.96		mg/Kg			05/15/23 13:38	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-9 (4')

Lab Sample ID: 880-28369-37

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:23	05/13/23 05:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:23	05/13/23 05:47	1
Ethylbenzene	0.00205	*+	0.00200		mg/Kg		05/12/23 13:23	05/13/23 05:47	1
m-Xylene & p-Xylene	0.00866	*+	0.00401		mg/Kg		05/12/23 13:23	05/13/23 05:47	1
o-Xylene	0.00457	*+	0.00200		mg/Kg		05/12/23 13:23	05/13/23 05:47	1
Xylenes, Total	0.0132	*+	0.00401		mg/Kg		05/12/23 13:23	05/13/23 05:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	05/12/23 13:23	05/13/23 05:47	1
1,4-Difluorobenzene (Surr)	100		70 - 130	05/12/23 13:23	05/13/23 05:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0153		0.00401		mg/Kg			05/15/23 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/15/23 17:09	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	<49.8	U	49.8		mg/Kg		05/12/23 16:36	05/13/23 02:45	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/23 16:36	05/13/23 02:45	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/23 16:36	05/13/23 02:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				05/12/23 16:36	05/13/23 02:45	1
o-Terphenyl	131	S1+	70 - 130				05/12/23 16:36	05/13/23 02:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	137		5.02		mg/Kg			05/15/23 13:54	1

Client Sample ID: S-10 (0-1')

Lab Sample ID: 880-28369-38

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	33.2		1.98		mg/Kg		05/12/23 13:23	05/13/23 07:10	1000
Toluene	225	*+	9.98		mg/Kg		05/16/23 14:29	05/16/23 17:26	5000
Ethylbenzene	154	*+	9.98		mg/Kg		05/16/23 14:29	05/16/23 17:26	5000
m-Xylene & p-Xylene	401		20.0		mg/Kg		05/16/23 14:29	05/16/23 17:26	5000
o-Xylene	129		9.98		mg/Kg		05/16/23 14:29	05/16/23 17:26	5000
Xylenes, Total	530		20.0		mg/Kg		05/16/23 14:29	05/16/23 17:26	5000
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	152	S1+	70 - 130				05/12/23 13:23	05/13/23 07:10	1000
1,4-Difluorobenzene (Surr)	108		70 - 130				05/12/23 13:23	05/13/23 07:10	1000

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-10 (0-1')

Lab Sample ID: 880-28369-38

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	942		20.0		mg/Kg			05/15/23 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	22300		249		mg/Kg			05/15/23 17:09	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	2790		249		mg/Kg		05/12/23 16:36	05/13/23 03:28	5
Diesel Range Organics (Over C10-C28)	17400		249		mg/Kg		05/12/23 16:36	05/13/23 03:28	5
Oil Range Organics (Over C28-C36)	2120		249		mg/Kg		05/12/23 16:36	05/13/23 03:28	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	285	S1+	70 - 130				05/12/23 16:36	05/13/23 03:28	5
o-Terphenyl	434	S1+	70 - 130				05/12/23 16:36	05/13/23 03:28	5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21500		251		mg/Kg			05/15/23 14:00	50

Client Sample ID: S-10 (1.5')

Lab Sample ID: 880-28369-39

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.560		0.199		mg/Kg		05/12/23 13:23	05/13/23 07:31	100
Toluene	26.4		0.199		mg/Kg		05/12/23 13:23	05/13/23 07:31	100
Ethylbenzene	19.3	*+	0.199		mg/Kg		05/12/23 13:23	05/13/23 07:31	100
m-Xylene & p-Xylene	39.0	*+	0.398		mg/Kg		05/12/23 13:23	05/13/23 07:31	100
o-Xylene	13.0	*+	0.199		mg/Kg		05/12/23 13:23	05/13/23 07:31	100
Xylenes, Total	52.0	*+	0.398		mg/Kg		05/12/23 13:23	05/13/23 07:31	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				05/12/23 13:23	05/13/23 07:31	100
1,4-Difluorobenzene (Surr)	98		70 - 130				05/12/23 13:23	05/13/23 07:31	100

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	98.3		0.398		mg/Kg			05/15/23 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2530		50.0		mg/Kg			05/15/23 17:09	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	634		50.0		mg/Kg		05/12/23 16:36	05/13/23 05:17	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-10 (1.5')

Lab Sample ID: 880-28369-39

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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)	1730		50.0		mg/Kg		05/12/23 16:36	05/13/23 05:17	1
Oil Range Organics (Over C28-C36)	167		50.0		mg/Kg		05/12/23 16:36	05/13/23 05:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				05/12/23 16:36	05/13/23 05:17	1
o-Terphenyl	108		70 - 130				05/12/23 16:36	05/13/23 05:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4750		49.7		mg/Kg			05/15/23 14:16	10

Client Sample ID: S-10 (2')

Lab Sample ID: 880-28369-40

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0501	U *	0.0501		mg/Kg		05/16/23 14:29	05/16/23 17:47	25
Toluene	0.696	+	0.0501		mg/Kg		05/16/23 14:29	05/16/23 17:47	25
Ethylbenzene	1.01	+	0.0501		mg/Kg		05/16/23 14:29	05/16/23 17:47	25
m-Xylene & p-Xylene	2.56		0.100		mg/Kg		05/16/23 14:29	05/16/23 17:47	25
o-Xylene	0.795		0.0501		mg/Kg		05/16/23 14:29	05/16/23 17:47	25
Xylenes, Total	3.36		0.100		mg/Kg		05/16/23 14:29	05/16/23 17:47	25
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	166085	S1+	70 - 130				05/12/23 13:23	05/13/23 07:52	20
1,4-Difluorobenzene (Surr)	58	S1-	70 - 130				05/12/23 13:23	05/13/23 07:52	20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	5.06		0.100		mg/Kg			05/15/23 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	534		50.0		mg/Kg			05/15/23 17:09	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	109		50.0		mg/Kg		05/12/23 16:36	05/13/23 03:07	1
Diesel Range Organics (Over C10-C28)	425		50.0		mg/Kg		05/12/23 16:36	05/13/23 03:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 16:36	05/13/23 03:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				05/12/23 16:36	05/13/23 03:07	1
o-Terphenyl	107		70 - 130				05/12/23 16:36	05/13/23 03:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5290		50.3		mg/Kg			05/15/23 14:21	10

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-10 (3')

Lab Sample ID: 880-28369-41

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:24	05/13/23 10:08	1
Toluene	0.0243		0.00201		mg/Kg		05/12/23 13:24	05/13/23 10:08	1
Ethylbenzene	0.0158		0.00201		mg/Kg		05/12/23 13:24	05/13/23 10:08	1
m-Xylene & p-Xylene	0.0471		0.00402		mg/Kg		05/12/23 13:24	05/13/23 10:08	1
o-Xylene	0.0182		0.00201		mg/Kg		05/12/23 13:24	05/13/23 10:08	1
Xylenes, Total	0.0653		0.00402		mg/Kg		05/12/23 13:24	05/13/23 10:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	05/12/23 13:24	05/13/23 10:08	1
1,4-Difluorobenzene (Surr)	92		70 - 130	05/12/23 13:24	05/13/23 10:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.105		0.00402		mg/Kg			05/15/23 17:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/23 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/12/23 21:01	05/13/23 11:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 21:01	05/13/23 11:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 21:01	05/13/23 11:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				05/12/23 21:01	05/13/23 11:00	1
o-Terphenyl	142	S1+	70 - 130				05/12/23 21:01	05/13/23 11:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3080		24.9		mg/Kg			05/15/23 14:26	5

Client Sample ID: S-10 (4')

Lab Sample ID: 880-28369-42

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:24	05/13/23 10:28	1
Toluene	0.00824		0.00199		mg/Kg		05/12/23 13:24	05/13/23 10:28	1
Ethylbenzene	0.00538		0.00199		mg/Kg		05/12/23 13:24	05/13/23 10:28	1
m-Xylene & p-Xylene	0.0153		0.00398		mg/Kg		05/12/23 13:24	05/13/23 10:28	1
o-Xylene	0.00673		0.00199		mg/Kg		05/12/23 13:24	05/13/23 10:28	1
Xylenes, Total	0.0220		0.00398		mg/Kg		05/12/23 13:24	05/13/23 10:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	05/12/23 13:24	05/13/23 10:28	1
1,4-Difluorobenzene (Surr)	77		70 - 130	05/12/23 13:24	05/13/23 10:28	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-10 (4')

Lab Sample ID: 880-28369-42

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0357		0.00398		mg/Kg			05/15/23 17:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/23 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/12/23 21:01	05/13/23 12:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 21:01	05/13/23 12:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 21:01	05/13/23 12:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				05/12/23 21:01	05/13/23 12:06	1
o-Terphenyl	145	S1+	70 - 130				05/12/23 21:01	05/13/23 12:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2340		24.8		mg/Kg			05/15/23 14:32	5

Client Sample ID: S-11 (0-1')

Lab Sample ID: 880-28369-43

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00239		0.00199		mg/Kg		05/12/23 13:24	05/13/23 10:49	1
Toluene	0.0443		0.00199		mg/Kg		05/12/23 13:24	05/13/23 10:49	1
Ethylbenzene	0.0576		0.00199		mg/Kg		05/12/23 13:24	05/13/23 10:49	1
m-Xylene & p-Xylene	0.171		0.00398		mg/Kg		05/12/23 13:24	05/13/23 10:49	1
o-Xylene	0.0950		0.00199		mg/Kg		05/12/23 13:24	05/13/23 10:49	1
Xylenes, Total	0.266		0.00398		mg/Kg		05/12/23 13:24	05/13/23 10:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	175	S1+	70 - 130				05/12/23 13:24	05/13/23 10:49	1
1,4-Difluorobenzene (Surr)	92		70 - 130				05/12/23 13:24	05/13/23 10:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.370		0.00398		mg/Kg			05/15/23 17:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	31000		500		mg/Kg			05/15/23 16:23	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	1480		500		mg/Kg		05/12/23 21:01	05/13/23 17:09	10
Diesel Range Organics (Over C10-C28)	26100		500		mg/Kg		05/12/23 21:01	05/13/23 17:09	10

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-11 (0-1')

Lab Sample ID: 880-28369-43

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	3380		500		mg/Kg		05/12/23 21:01	05/13/23 17:09	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	254	S1+	70 - 130				05/12/23 21:01	05/13/23 17:09	10
o-Terphenyl	562	S1+	70 - 130				05/12/23 21:01	05/13/23 17:09	10

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3690		50.3		mg/Kg			05/15/23 14:37	10

Client Sample ID: S-11 (1.5')

Lab Sample ID: 880-28369-44

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:24	05/13/23 11:09	1
Toluene	0.00572		0.00200		mg/Kg		05/12/23 13:24	05/13/23 11:09	1
Ethylbenzene	0.00358		0.00200		mg/Kg		05/12/23 13:24	05/13/23 11:09	1
m-Xylene & p-Xylene	0.00501		0.00399		mg/Kg		05/12/23 13:24	05/13/23 11:09	1
o-Xylene	0.124		0.00200		mg/Kg		05/12/23 13:24	05/13/23 11:09	1
Xylenes, Total	0.129		0.00399		mg/Kg		05/12/23 13:24	05/13/23 11:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130				05/12/23 13:24	05/13/23 11:09	1
1,4-Difluorobenzene (Surr)	105		70 - 130				05/12/23 13:24	05/13/23 11:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.138		0.00399		mg/Kg			05/15/23 17:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	639		49.8		mg/Kg			05/15/23 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/12/23 21:01	05/13/23 12:28	1
Diesel Range Organics (Over C10-C28)	570		49.8		mg/Kg		05/12/23 21:01	05/13/23 12:28	1
Oil Range Organics (Over C28-C36)	68.8		49.8		mg/Kg		05/12/23 21:01	05/13/23 12:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				05/12/23 21:01	05/13/23 12:28	1
o-Terphenyl	148	S1+	70 - 130				05/12/23 21:01	05/13/23 12:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	344		25.0		mg/Kg			05/15/23 14:42	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-12 (0-1')

Lab Sample ID: 880-28369-45

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.32		0.101		mg/Kg		05/12/23 13:24	05/13/23 11:30	50
Toluene	89.2		0.504		mg/Kg		05/12/23 14:20	05/15/23 17:05	250
Ethylbenzene	53.4	++	0.498		mg/Kg		05/16/23 14:29	05/16/23 18:07	250
m-Xylene & p-Xylene	120		1.01		mg/Kg		05/12/23 14:20	05/15/23 17:05	250
o-Xylene	35.0		0.504		mg/Kg		05/12/23 14:20	05/15/23 17:05	250
Xylenes, Total	155		1.01		mg/Kg		05/12/23 14:20	05/15/23 17:05	250

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	276	S1+	70 - 130	05/12/23 13:24	05/13/23 11:30	50
1,4-Difluorobenzene (Surr)	106		70 - 130	05/12/23 13:24	05/13/23 11:30	50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	300		1.01		mg/Kg			05/15/23 17:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	13200		250		mg/Kg			05/15/23 16:23	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	2840		250		mg/Kg		05/12/23 21:01	05/13/23 17:30	5
Diesel Range Organics (Over C10-C28)	9260		250		mg/Kg		05/12/23 21:01	05/13/23 17:30	5
Oil Range Organics (Over C28-C36)	1050		250		mg/Kg		05/12/23 21:01	05/13/23 17:30	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	197	S1+	70 - 130	05/12/23 21:01	05/13/23 17:30	5
o-Terphenyl	187	S1+	70 - 130	05/12/23 21:01	05/13/23 17:30	5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3980		24.9		mg/Kg			05/15/23 14:48	5

Client Sample ID: S-12 (1.5')

Lab Sample ID: 880-28369-46

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.48		0.101		mg/Kg		05/12/23 13:24	05/13/23 11:51	50
Toluene	88.5		0.499		mg/Kg		05/12/23 14:20	05/15/23 17:25	250
Ethylbenzene	52.8	++	0.497		mg/Kg		05/16/23 14:29	05/16/23 18:28	250
m-Xylene & p-Xylene	103		0.998		mg/Kg		05/12/23 14:20	05/15/23 17:25	250
o-Xylene	29.5		0.499		mg/Kg		05/12/23 14:20	05/15/23 17:25	250
Xylenes, Total	133		0.998		mg/Kg		05/12/23 14:20	05/15/23 17:25	250

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	272	S1+	70 - 130	05/12/23 13:24	05/13/23 11:51	50
1,4-Difluorobenzene (Surr)	98		70 - 130	05/12/23 13:24	05/13/23 11:51	50

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-12 (1.5')

Lab Sample ID: 880-28369-46

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	276		0.998		mg/Kg			05/15/23 17:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	6330		49.8		mg/Kg			05/15/23 16:23	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	1660		49.8		mg/Kg		05/12/23 21:01	05/13/23 18:33	1
Diesel Range Organics (Over C10-C28)	4210		49.8		mg/Kg		05/12/23 21:01	05/13/23 18:33	1
Oil Range Organics (Over C28-C36)	461		49.8		mg/Kg		05/12/23 21:01	05/13/23 18:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	152	S1+	70 - 130				05/12/23 21:01	05/13/23 18:33	1
o-Terphenyl	131	S1+	70 - 130				05/12/23 21:01	05/13/23 18:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5580		49.6		mg/Kg			05/15/23 18:39	10

Client Sample ID: S-12 (2')

Lab Sample ID: 880-28369-47

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.167		0.0996		mg/Kg		05/12/23 13:24	05/13/23 12:11	50
Toluene	3.42		0.0996		mg/Kg		05/12/23 13:24	05/13/23 12:11	50
Ethylbenzene	3.38		0.0996		mg/Kg		05/12/23 13:24	05/13/23 12:11	50
m-Xylene & p-Xylene	7.02		0.199		mg/Kg		05/12/23 13:24	05/13/23 12:11	50
o-Xylene	3.79		0.0996		mg/Kg		05/12/23 13:24	05/13/23 12:11	50
Xylenes, Total	10.8		0.199		mg/Kg		05/12/23 13:24	05/13/23 12:11	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	162	S1+	70 - 130				05/12/23 13:24	05/13/23 12:11	50
1,4-Difluorobenzene (Surr)	107		70 - 130				05/12/23 13:24	05/13/23 12:11	50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	17.8		0.199		mg/Kg			05/15/23 17:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2020		49.9		mg/Kg			05/15/23 16:23	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	140		49.9		mg/Kg		05/12/23 21:01	05/13/23 18:54	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-12 (2')

Lab Sample ID: 880-28369-47

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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)	1620		49.9		mg/Kg		05/12/23 21:01	05/13/23 18:54	1
Oil Range Organics (Over C28-C36)	256		49.9		mg/Kg		05/12/23 21:01	05/13/23 18:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130				05/12/23 21:01	05/13/23 18:54	1
o-Terphenyl	132	S1+	70 - 130				05/12/23 21:01	05/13/23 18:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6180		49.9		mg/Kg			05/15/23 18:55	10

Client Sample ID: S-12 (3')

Lab Sample ID: 880-28369-48

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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		05/12/23 13:24	05/13/23 12:32	50
Toluene	0.886		0.0994		mg/Kg		05/12/23 13:24	05/13/23 12:32	50
Ethylbenzene	0.813		0.0994		mg/Kg		05/12/23 13:24	05/13/23 12:32	50
m-Xylene & p-Xylene	1.83		0.199		mg/Kg		05/12/23 13:24	05/13/23 12:32	50
o-Xylene	1.05		0.0994		mg/Kg		05/12/23 13:24	05/13/23 12:32	50
Xylenes, Total	2.88		0.199		mg/Kg		05/12/23 13:24	05/13/23 12:32	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				05/12/23 13:24	05/13/23 12:32	50
1,4-Difluorobenzene (Surr)	94		70 - 130				05/12/23 13:24	05/13/23 12:32	50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	4.58		0.199		mg/Kg			05/15/23 17:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	781		50.0		mg/Kg			05/15/23 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 21:01	05/13/23 13:12	1
Diesel Range Organics (Over C10-C28)	688		50.0		mg/Kg		05/12/23 21:01	05/13/23 13:12	1
Oil Range Organics (Over C28-C36)	92.7		50.0		mg/Kg		05/12/23 21:01	05/13/23 13:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				05/12/23 21:01	05/13/23 13:12	1
o-Terphenyl	140	S1+	70 - 130				05/12/23 21:01	05/13/23 13:12	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-12 (3')

Lab Sample ID: 880-28369-48

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6460		50.2		mg/Kg			05/15/23 19:01	10

Client Sample ID: S-12 (4')

Lab Sample ID: 880-28369-49

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0998	U	0.0998		mg/Kg		05/12/23 13:24	05/13/23 12:52	50
Toluene	0.309		0.0998		mg/Kg		05/12/23 13:24	05/13/23 12:52	50
Ethylbenzene	0.216		0.0998		mg/Kg		05/12/23 13:24	05/13/23 12:52	50
m-Xylene & p-Xylene	0.491		0.200		mg/Kg		05/12/23 13:24	05/13/23 12:52	50
o-Xylene	0.209		0.0998		mg/Kg		05/12/23 13:24	05/13/23 12:52	50
Xylenes, Total	0.700		0.200		mg/Kg		05/12/23 13:24	05/13/23 12:52	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	05/12/23 13:24	05/13/23 12:52	50
1,4-Difluorobenzene (Surr)	95		70 - 130	05/12/23 13:24	05/13/23 12:52	50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1.23		0.200		mg/Kg			05/15/23 17:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	375		50.0		mg/Kg			05/15/23 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 21:01	05/13/23 12:50	1
Diesel Range Organics (Over C10-C28)	375		50.0		mg/Kg		05/12/23 21:01	05/13/23 12:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 21:01	05/13/23 12:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	05/12/23 21:01	05/13/23 12:50	1
o-Terphenyl	130		70 - 130	05/12/23 21:01	05/13/23 12:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6810		50.3		mg/Kg			05/15/23 19:06	10

Client Sample ID: S-13 (0-1')

Lab Sample ID: 880-28369-50

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.118		0.0990		mg/Kg		05/12/23 13:24	05/13/23 13:13	50
Toluene	20.4		0.503		mg/Kg		05/12/23 14:20	05/15/23 17:45	250
Ethylbenzene	24.3	+	0.503		mg/Kg		05/16/23 14:29	05/16/23 18:48	250

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-13 (0-1')

Lab Sample ID: 880-28369-50

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	67.2		1.01		mg/Kg		05/12/23 14:20	05/15/23 17:45	250
o-Xylene	21.6		0.503		mg/Kg		05/12/23 14:20	05/15/23 17:45	250
Xylenes, Total	88.8		1.01		mg/Kg		05/12/23 14:20	05/15/23 17:45	250
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	284	S1+	70 - 130				05/12/23 13:24	05/13/23 13:13	50
1,4-Difluorobenzene (Surr)	95		70 - 130				05/12/23 13:24	05/13/23 13:13	50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	134		1.01		mg/Kg			05/15/23 17:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	6640		49.8		mg/Kg			05/15/23 16:23	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	1190		49.8		mg/Kg		05/12/23 21:01	05/13/23 18:12	1
Diesel Range Organics (Over C10-C28)	4910		49.8		mg/Kg		05/12/23 21:01	05/13/23 18:12	1
Oil Range Organics (Over C28-C36)	537		49.8		mg/Kg		05/12/23 21:01	05/13/23 18:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	151	S1+	70 - 130				05/12/23 21:01	05/13/23 18:12	1
o-Terphenyl	131	S1+	70 - 130				05/12/23 21:01	05/13/23 18:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1950		24.9		mg/Kg			05/15/23 19:11	5

Client Sample ID: S-13 (1.5')

Lab Sample ID: 880-28369-51

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:24	05/13/23 14:36	1
Toluene	0.00396		0.00200		mg/Kg		05/12/23 13:24	05/13/23 14:36	1
Ethylbenzene	0.00500		0.00200		mg/Kg		05/12/23 13:24	05/13/23 14:36	1
m-Xylene & p-Xylene	0.0115		0.00401		mg/Kg		05/12/23 13:24	05/13/23 14:36	1
o-Xylene	0.00595		0.00200		mg/Kg		05/12/23 13:24	05/13/23 14:36	1
Xylenes, Total	0.0175		0.00401		mg/Kg		05/12/23 13:24	05/13/23 14:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130				05/12/23 13:24	05/13/23 14:36	1
1,4-Difluorobenzene (Surr)	107		70 - 130				05/12/23 13:24	05/13/23 14:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0264		0.00401		mg/Kg			05/15/23 17:08	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-13 (1.5')

Lab Sample ID: 880-28369-51

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	211		50.0		mg/Kg			05/15/23 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 21:01	05/13/23 13:34	1
Diesel Range Organics (Over C10-C28)	211		50.0		mg/Kg		05/12/23 21:01	05/13/23 13:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 21:01	05/13/23 13:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				05/12/23 21:01	05/13/23 13:34	1
o-Terphenyl	144	S1+	70 - 130				05/12/23 21:01	05/13/23 13:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	249		4.99		mg/Kg			05/15/23 19:27	1

Client Sample ID: S-13 (2')

Lab Sample ID: 880-28369-52

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:24	05/13/23 14:57	1
Toluene	0.00645		0.00199		mg/Kg		05/12/23 13:24	05/13/23 14:57	1
Ethylbenzene	0.00730		0.00199		mg/Kg		05/12/23 13:24	05/13/23 14:57	1
m-Xylene & p-Xylene	0.0153		0.00398		mg/Kg		05/12/23 13:24	05/13/23 14:57	1
o-Xylene	0.0115		0.00199		mg/Kg		05/12/23 13:24	05/13/23 14:57	1
Xylenes, Total	0.0268		0.00398		mg/Kg		05/12/23 13:24	05/13/23 14:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				05/12/23 13:24	05/13/23 14:57	1
1,4-Difluorobenzene (Surr)	90		70 - 130				05/12/23 13:24	05/13/23 14:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0406		0.00398		mg/Kg			05/15/23 17:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	153		50.0		mg/Kg			05/15/23 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 21:01	05/13/23 13:55	1
Diesel Range Organics (Over C10-C28)	153		50.0		mg/Kg		05/12/23 21:01	05/13/23 13:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 21:01	05/13/23 13:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				05/12/23 21:01	05/13/23 13:55	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-13 (2')

Lab Sample ID: 880-28369-52

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	142	S1+	70 - 130	05/12/23 21:01	05/13/23 13:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	175		4.99		mg/Kg			05/15/23 19:33	1

Client Sample ID: S-13 (3')

Lab Sample ID: 880-28369-53

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:24	05/13/23 15:17	1
Toluene	0.00239		0.00199		mg/Kg		05/12/23 13:24	05/13/23 15:17	1
Ethylbenzene	0.00255		0.00199		mg/Kg		05/12/23 13:24	05/13/23 15:17	1
m-Xylene & p-Xylene	0.00562		0.00398		mg/Kg		05/12/23 13:24	05/13/23 15:17	1
o-Xylene	0.00859		0.00199		mg/Kg		05/12/23 13:24	05/13/23 15:17	1
Xylenes, Total	0.0142		0.00398		mg/Kg		05/12/23 13:24	05/13/23 15:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				05/12/23 13:24	05/13/23 15:17	1
1,4-Difluorobenzene (Surr)	87		70 - 130				05/12/23 13:24	05/13/23 15:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0192		0.00398		mg/Kg			05/15/23 17:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	90.6		50.0		mg/Kg			05/15/23 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 21:01	05/13/23 14:17	1
Diesel Range Organics (Over C10-C28)	90.6		50.0		mg/Kg		05/12/23 21:01	05/13/23 14:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 21:01	05/13/23 14:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130				05/12/23 21:01	05/13/23 14:17	1
o-Terphenyl	159	S1+	70 - 130				05/12/23 21:01	05/13/23 14:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		5.00		mg/Kg			05/15/23 19:38	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-13 (4')

Lab Sample ID: 880-28369-54

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:24	05/13/23 15:38	1
Toluene	0.00314		0.00200		mg/Kg		05/12/23 13:24	05/13/23 15:38	1
Ethylbenzene	0.00227		0.00200		mg/Kg		05/12/23 13:24	05/13/23 15:38	1
m-Xylene & p-Xylene	0.00470		0.00399		mg/Kg		05/12/23 13:24	05/13/23 15:38	1
o-Xylene	0.00236		0.00200		mg/Kg		05/12/23 13:24	05/13/23 15:38	1
Xylenes, Total	0.00706		0.00399		mg/Kg		05/12/23 13:24	05/13/23 15:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	05/12/23 13:24	05/13/23 15:38	1
1,4-Difluorobenzene (Surr)	84		70 - 130	05/12/23 13:24	05/13/23 15:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0125		0.00399		mg/Kg			05/15/23 17:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	59.4		49.8		mg/Kg			05/15/23 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/12/23 21:01	05/13/23 14:38	1
Diesel Range Organics (Over C10-C28)	59.4		49.8		mg/Kg		05/12/23 21:01	05/13/23 14:38	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/23 21:01	05/13/23 14:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130	05/12/23 21:01	05/13/23 14:38	1
o-Terphenyl	154	S1+	70 - 130	05/12/23 21:01	05/13/23 14:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	128		5.01		mg/Kg			05/15/23 19:43	1

Client Sample ID: S-14 (0-1')

Lab Sample ID: 880-28369-55

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:24	05/13/23 15:58	1
Toluene	0.00336		0.00201		mg/Kg		05/12/23 13:24	05/13/23 15:58	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/12/23 13:24	05/13/23 15:58	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/12/23 13:24	05/13/23 15:58	1
o-Xylene	0.00268		0.00201		mg/Kg		05/12/23 13:24	05/13/23 15:58	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/12/23 13:24	05/13/23 15:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	05/12/23 13:24	05/13/23 15:58	1
1,4-Difluorobenzene (Surr)	84		70 - 130	05/12/23 13:24	05/13/23 15:58	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-14 (0-1')

Lab Sample ID: 880-28369-55

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00604		0.00402		mg/Kg			05/15/23 17:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	53.5		50.0		mg/Kg			05/15/23 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 21:01	05/13/23 15:00	1
Diesel Range Organics (Over C10-C28)	53.5		50.0		mg/Kg		05/12/23 21:01	05/13/23 15:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 21:01	05/13/23 15:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				05/12/23 21:01	05/13/23 15:00	1
o-Terphenyl	142	S1+	70 - 130				05/12/23 21:01	05/13/23 15:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6170		50.4		mg/Kg			05/15/23 19:49	10

Client Sample ID: S-14 (1.5')

Lab Sample ID: 880-28369-56

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/12/23 13:24	05/13/23 16:19	1
Toluene	0.00268		0.00202		mg/Kg		05/12/23 13:24	05/13/23 16:19	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/12/23 13:24	05/13/23 16:19	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/12/23 13:24	05/13/23 16:19	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/12/23 13:24	05/13/23 16:19	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/12/23 13:24	05/13/23 16:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				05/12/23 13:24	05/13/23 16:19	1
1,4-Difluorobenzene (Surr)	61	S1-	70 - 130				05/12/23 13:24	05/13/23 16:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/15/23 17:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/23 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/12/23 21:01	05/13/23 15:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 21:01	05/13/23 15:44	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-14 (1.5')

Lab Sample ID: 880-28369-56

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 21:01	05/13/23 15:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				05/12/23 21:01	05/13/23 15:44	1
o-Terphenyl	134	S1+	70 - 130				05/12/23 21:01	05/13/23 15:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4770		49.8		mg/Kg			05/15/23 19:54	10

Client Sample ID: S-14 (2')

Lab Sample ID: 880-28369-57

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:24	05/13/23 16:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:24	05/13/23 16:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:24	05/13/23 16:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/12/23 13:24	05/13/23 16:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:24	05/13/23 16:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/12/23 13:24	05/13/23 16:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				05/12/23 13:24	05/13/23 16:39	1
1,4-Difluorobenzene (Surr)	73		70 - 130				05/12/23 13:24	05/13/23 16:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/23 17:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/15/23 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/12/23 21:01	05/13/23 16:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/23 21:01	05/13/23 16:05	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/23 21:01	05/13/23 16:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				05/12/23 21:01	05/13/23 16:05	1
o-Terphenyl	138	S1+	70 - 130				05/12/23 21:01	05/13/23 16:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3500		25.1		mg/Kg			05/15/23 20:10	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-14 (3')

Lab Sample ID: 880-28369-58

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:24	05/13/23 17:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:24	05/13/23 17:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:24	05/13/23 17:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/12/23 13:24	05/13/23 17:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/12/23 13:24	05/13/23 17:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/12/23 13:24	05/13/23 17:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	05/12/23 13:24	05/13/23 17:00	1
1,4-Difluorobenzene (Surr)	74		70 - 130	05/12/23 13:24	05/13/23 17:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/23 17:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/23 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/12/23 21:01	05/13/23 16:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/12/23 21:01	05/13/23 16:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 21:01	05/13/23 16:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	05/12/23 21:01	05/13/23 16:27	1
o-Terphenyl	146	S1+	70 - 130	05/12/23 21:01	05/13/23 16:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2660		24.8		mg/Kg			05/15/23 20:16	5

Client Sample ID: S-14 (4')

Lab Sample ID: 880-28369-59

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:24	05/13/23 17:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:24	05/13/23 17:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:24	05/13/23 17:20	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/12/23 13:24	05/13/23 17:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:24	05/13/23 17:20	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/12/23 13:24	05/13/23 17:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	05/12/23 13:24	05/13/23 17:20	1
1,4-Difluorobenzene (Surr)	60	S1-	70 - 130	05/12/23 13:24	05/13/23 17:20	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-14 (4')

Lab Sample ID: 880-28369-59

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/15/23 17:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/15/23 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/12/23 21:01	05/13/23 16:48	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/12/23 21:01	05/13/23 16:48	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/12/23 21:01	05/13/23 16:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				05/12/23 21:01	05/13/23 16:48	1
o-Terphenyl	145	S1+	70 - 130				05/12/23 21:01	05/13/23 16:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1090		4.96		mg/Kg			05/15/23 20:32	1

Client Sample ID: S-15 (0-1')

Lab Sample ID: 880-28369-60

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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		05/12/23 13:24	05/13/23 17:40	50
Toluene	0.520		0.0990		mg/Kg		05/12/23 13:24	05/13/23 17:40	50
Ethylbenzene	2.43		0.0990		mg/Kg		05/12/23 13:24	05/13/23 17:40	50
m-Xylene & p-Xylene	7.00		0.198		mg/Kg		05/12/23 13:24	05/13/23 17:40	50
o-Xylene	3.62		0.0990		mg/Kg		05/12/23 13:24	05/13/23 17:40	50
Xylenes, Total	10.6		0.198		mg/Kg		05/12/23 13:24	05/13/23 17:40	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	199	S1+	70 - 130				05/12/23 13:24	05/13/23 17:40	50
1,4-Difluorobenzene (Surr)	90		70 - 130				05/12/23 13:24	05/13/23 17:40	50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	13.6		0.198		mg/Kg			05/15/23 17:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	21400		499		mg/Kg			05/15/23 16:23	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	<499	U	499		mg/Kg		05/12/23 21:01	05/13/23 17:51	10
Diesel Range Organics (Over C10-C28)	19000		499		mg/Kg		05/12/23 21:01	05/13/23 17:51	10

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-15 (0-1')

Lab Sample ID: 880-28369-60

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	2370		499		mg/Kg		05/12/23 21:01	05/13/23 17:51	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	177	S1+	70 - 130				05/12/23 21:01	05/13/23 17:51	10
o-Terphenyl	406	S1+	70 - 130				05/12/23 21:01	05/13/23 17:51	10

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3860		25.0		mg/Kg			05/15/23 20:37	5

Client Sample ID: S-15 (1.5')

Lab Sample ID: 880-28369-61

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U **	0.00198		mg/Kg		05/12/23 13:15	05/15/23 11:34	1
Toluene	0.00636		0.00198		mg/Kg		05/12/23 13:15	05/15/23 11:34	1
Ethylbenzene	0.00858	**	0.00198		mg/Kg		05/12/23 13:15	05/15/23 11:34	1
m-Xylene & p-Xylene	0.0170	**	0.00396		mg/Kg		05/12/23 13:15	05/15/23 11:34	1
o-Xylene	0.0135	**	0.00198		mg/Kg		05/12/23 13:15	05/15/23 11:34	1
Xylenes, Total	0.0305	**	0.00396		mg/Kg		05/12/23 13:15	05/15/23 11:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				05/12/23 13:15	05/15/23 11:34	1
1,4-Difluorobenzene (Surr)	99		70 - 130				05/12/23 13:15	05/15/23 11:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0454		0.00396		mg/Kg			05/16/23 15:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	64.4		49.9		mg/Kg			05/15/23 12:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 17:45	1
Diesel Range Organics (Over C10-C28)	64.4		49.9		mg/Kg		05/12/23 21:28	05/13/23 17:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/12/23 21:28	05/13/23 17:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				05/12/23 21:28	05/13/23 17:45	1
o-Terphenyl	99		70 - 130				05/12/23 21:28	05/13/23 17:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7040		50.4		mg/Kg			05/15/23 20:42	10

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-15 (2')

Lab Sample ID: 880-28369-62

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U **	0.00201		mg/Kg		05/12/23 13:15	05/15/23 11:54	1
Toluene	0.00406		0.00201		mg/Kg		05/12/23 13:15	05/15/23 11:54	1
Ethylbenzene	0.00308	++	0.00201		mg/Kg		05/12/23 13:15	05/15/23 11:54	1
m-Xylene & p-Xylene	0.00751	++	0.00402		mg/Kg		05/12/23 13:15	05/15/23 11:54	1
o-Xylene	0.00483	++	0.00201		mg/Kg		05/12/23 13:15	05/15/23 11:54	1
Xylenes, Total	0.0123	++	0.00402		mg/Kg		05/12/23 13:15	05/15/23 11:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	05/12/23 13:15	05/15/23 11:54	1
1,4-Difluorobenzene (Surr)	84		70 - 130	05/12/23 13:15	05/15/23 11:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0195		0.00402		mg/Kg			05/16/23 15:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	74.7		49.9		mg/Kg			05/16/23 11:52	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	<49.9	U	49.9		mg/Kg		05/15/23 12:47	05/15/23 22:17	1
Diesel Range Organics (Over C10-C28)	74.7		49.9		mg/Kg		05/15/23 12:47	05/15/23 22:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/15/23 12:47	05/15/23 22:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130	05/15/23 12:47	05/15/23 22:17	1
o-Terphenyl	99		70 - 130	05/15/23 12:47	05/15/23 22:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6200		50.5		mg/Kg			05/15/23 20:48	10

Client Sample ID: S-15 (3')

Lab Sample ID: 880-28369-63

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U **	0.00202		mg/Kg		05/12/23 13:15	05/15/23 12:15	1
Toluene	0.00856		0.00202		mg/Kg		05/12/23 13:15	05/15/23 12:15	1
Ethylbenzene	0.00900	++	0.00202		mg/Kg		05/12/23 13:15	05/15/23 12:15	1
m-Xylene & p-Xylene	0.0151	++	0.00404		mg/Kg		05/12/23 13:15	05/15/23 12:15	1
o-Xylene	0.00520	++	0.00202		mg/Kg		05/12/23 13:15	05/15/23 12:15	1
Xylenes, Total	0.0203	++	0.00404		mg/Kg		05/12/23 13:15	05/15/23 12:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	05/12/23 13:15	05/15/23 12:15	1
1,4-Difluorobenzene (Surr)	85		70 - 130	05/12/23 13:15	05/15/23 12:15	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-15 (3')

Lab Sample ID: 880-28369-63

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0379		0.00404		mg/Kg			05/16/23 15:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/16/23 11:52	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	<50.0	U	50.0		mg/Kg		05/15/23 12:47	05/15/23 22:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/15/23 12:47	05/15/23 22:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/15/23 12:47	05/15/23 22:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				05/15/23 12:47	05/15/23 22:39	1
o-Terphenyl	97		70 - 130				05/15/23 12:47	05/15/23 22:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5440		49.9		mg/Kg			05/15/23 20:53	10

Client Sample ID: S-15 (4')

Lab Sample ID: 880-28369-64

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199		mg/Kg		05/12/23 13:15	05/15/23 12:35	1
Toluene	0.00549		0.00199		mg/Kg		05/12/23 13:15	05/15/23 12:35	1
Ethylbenzene	0.00309	**	0.00199		mg/Kg		05/12/23 13:15	05/15/23 12:35	1
m-Xylene & p-Xylene	0.00671	**	0.00398		mg/Kg		05/12/23 13:15	05/15/23 12:35	1
o-Xylene	0.00225	**	0.00199		mg/Kg		05/12/23 13:15	05/15/23 12:35	1
Xylenes, Total	0.00896	**	0.00398		mg/Kg		05/12/23 13:15	05/15/23 12:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				05/12/23 13:15	05/15/23 12:35	1
1,4-Difluorobenzene (Surr)	87		70 - 130				05/12/23 13:15	05/15/23 12:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0175		0.00398		mg/Kg			05/16/23 15:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/15/23 16:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 21:11	05/14/23 04:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 21:11	05/14/23 04:29	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-15 (4')

Lab Sample ID: 880-28369-64

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 21:11	05/14/23 04:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				05/12/23 21:11	05/14/23 04:29	1
o-Terphenyl	149	S1+	70 - 130				05/12/23 21:11	05/14/23 04:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5770		50.5		mg/Kg			05/15/23 20:58	10

Client Sample ID: S-16 (0-1')

Lab Sample ID: 880-28369-65

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.199	U *	0.199		mg/Kg		05/12/23 13:15	05/15/23 13:16	100
Toluene	7.16		0.199		mg/Kg		05/12/23 13:15	05/15/23 13:16	100
Ethylbenzene	10.8	+	0.199		mg/Kg		05/12/23 13:15	05/15/23 13:16	100
m-Xylene & p-Xylene	25.2	+	0.398		mg/Kg		05/12/23 13:15	05/15/23 13:16	100
o-Xylene	10.3	+	0.199		mg/Kg		05/12/23 13:15	05/15/23 13:16	100
Xylenes, Total	35.5	+	0.398		mg/Kg		05/12/23 13:15	05/15/23 13:16	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	152	S1+	70 - 130				05/12/23 13:15	05/15/23 13:16	100
1,4-Difluorobenzene (Surr)	90		70 - 130				05/12/23 13:15	05/15/23 13:16	100

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	53.5		0.398		mg/Kg			05/16/23 15:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	16000		500		mg/Kg			05/16/23 11:52	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	986		500		mg/Kg		05/15/23 12:47	05/15/23 23:00	10
Diesel Range Organics (Over C10-C28)	15000		500		mg/Kg		05/15/23 12:47	05/15/23 23:00	10
Oil Range Organics (Over C28-C36)	<500	U	500		mg/Kg		05/15/23 12:47	05/15/23 23:00	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	147	S1+	70 - 130				05/15/23 12:47	05/15/23 23:00	10
o-Terphenyl	219	S1+	70 - 130				05/15/23 12:47	05/15/23 23:00	10

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9640		100		mg/Kg			05/15/23 21:04	20

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Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-16 (1.5')

Lab Sample ID: 880-28369-66

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.513	*+	0.200		mg/Kg		05/12/23 13:15	05/15/23 13:37	100
Toluene	64.1	*+	2.02		mg/Kg		05/16/23 14:29	05/16/23 19:08	1000
Ethylbenzene	59.3	*+	2.02		mg/Kg		05/16/23 14:29	05/16/23 19:08	1000
m-Xylene & p-Xylene	164		4.04		mg/Kg		05/16/23 14:29	05/16/23 19:08	1000
o-Xylene	52.7		2.02		mg/Kg		05/16/23 14:29	05/16/23 19:08	1000
Xylenes, Total	217		4.04		mg/Kg		05/16/23 14:29	05/16/23 19:08	1000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	269	S1+	70 - 130	05/12/23 13:15	05/15/23 13:37	100
1,4-Difluorobenzene (Surr)	99		70 - 130	05/12/23 13:15	05/15/23 13:37	100

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	341		4.04		mg/Kg			05/16/23 15:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	8940		250		mg/Kg			05/16/23 11:52	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	3130		250		mg/Kg		05/15/23 12:47	05/15/23 23:22	5
Diesel Range Organics (Over C10-C28)	5810		250		mg/Kg		05/15/23 12:47	05/15/23 23:22	5
Oil Range Organics (Over C28-C36)	<250	U	250		mg/Kg		05/15/23 12:47	05/15/23 23:22	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	172	S1+	70 - 130	05/15/23 12:47	05/15/23 23:22	5
o-Terphenyl	90		70 - 130	05/15/23 12:47	05/15/23 23:22	5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	565		4.99		mg/Kg			05/16/23 02:05	1

Client Sample ID: S-16 (2')

Lab Sample ID: 880-28369-67

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.420	*+	0.201		mg/Kg		05/12/23 13:15	05/15/23 13:57	100
Toluene	41.9	*+	2.00		mg/Kg		05/16/23 14:29	05/16/23 19:29	1000
Ethylbenzene	42.9	*+	2.00		mg/Kg		05/16/23 14:29	05/16/23 19:29	1000
m-Xylene & p-Xylene	115		3.99		mg/Kg		05/16/23 14:29	05/16/23 19:29	1000
o-Xylene	36.7	*+	0.201		mg/Kg		05/12/23 13:15	05/15/23 13:57	100
Xylenes, Total	152		3.99		mg/Kg		05/16/23 14:29	05/16/23 19:29	1000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	225	S1+	70 - 130	05/12/23 13:15	05/15/23 13:57	100
1,4-Difluorobenzene (Surr)	95		70 - 130	05/12/23 13:15	05/15/23 13:57	100

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Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-16 (2')

Lab Sample ID: 880-28369-67

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	237		3.99		mg/Kg			05/16/23 15:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	6250		250		mg/Kg			05/16/23 11:52	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	2370		250		mg/Kg		05/15/23 12:47	05/15/23 23:43	5
Diesel Range Organics (Over C10-C28)	3880		250		mg/Kg		05/15/23 12:47	05/15/23 23:43	5
Oil Range Organics (Over C28-C36)	<250	U	250		mg/Kg		05/15/23 12:47	05/15/23 23:43	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	153	S1+	70 - 130				05/15/23 12:47	05/15/23 23:43	5
o-Terphenyl	92		70 - 130				05/15/23 12:47	05/15/23 23:43	5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	117	F1	4.95		mg/Kg			05/16/23 02:10	1

Client Sample ID: S-16 (3')

Lab Sample ID: 880-28369-68

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0574	*+	0.0402		mg/Kg		05/12/23 13:15	05/15/23 14:18	20
Toluene	0.557		0.0402		mg/Kg		05/12/23 13:15	05/15/23 14:18	20
Ethylbenzene	0.407	*+	0.0402		mg/Kg		05/12/23 13:15	05/15/23 14:18	20
m-Xylene & p-Xylene	0.710	*+	0.0805		mg/Kg		05/12/23 13:15	05/15/23 14:18	20
o-Xylene	0.463	*+	0.0402		mg/Kg		05/12/23 13:15	05/15/23 14:18	20
Xylenes, Total	1.17	*+	0.0805		mg/Kg		05/12/23 13:15	05/15/23 14:18	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130				05/12/23 13:15	05/15/23 14:18	20
1,4-Difluorobenzene (Surr)	119		70 - 130				05/12/23 13:15	05/15/23 14:18	20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	2.19		0.0805		mg/Kg			05/16/23 15:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	290		49.8		mg/Kg			05/16/23 11:52	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	59.8		49.8		mg/Kg		05/15/23 12:47	05/16/23 00:05	1
Diesel Range Organics (Over C10-C28)	230		49.8		mg/Kg		05/15/23 12:47	05/16/23 00:05	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-16 (3')

Lab Sample ID: 880-28369-68

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/15/23 12:47	05/16/23 00:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				05/15/23 12:47	05/16/23 00:05	1
o-Terphenyl	97		70 - 130				05/15/23 12:47	05/16/23 00:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	170		5.03		mg/Kg			05/16/23 02:26	1

Client Sample ID: S-16 (4')

Lab Sample ID: 880-28369-69

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *	0.00200		mg/Kg		05/12/23 13:15	05/15/23 12:56	1
Toluene	0.00308		0.00200		mg/Kg		05/12/23 13:15	05/15/23 12:56	1
Ethylbenzene	0.00309	+	0.00200		mg/Kg		05/12/23 13:15	05/15/23 12:56	1
m-Xylene & p-Xylene	0.00653	+	0.00401		mg/Kg		05/12/23 13:15	05/15/23 12:56	1
o-Xylene	0.00393	+	0.00200		mg/Kg		05/12/23 13:15	05/15/23 12:56	1
Xylenes, Total	0.0105	+	0.00401		mg/Kg		05/12/23 13:15	05/15/23 12:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				05/12/23 13:15	05/15/23 12:56	1
1,4-Difluorobenzene (Surr)	85		70 - 130				05/12/23 13:15	05/15/23 12:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0166		0.00401		mg/Kg			05/16/23 15:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	65.2		49.8		mg/Kg			05/16/23 11:52	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	<49.8	U	49.8		mg/Kg		05/15/23 12:47	05/16/23 00:26	1
Diesel Range Organics (Over C10-C28)	65.2		49.8		mg/Kg		05/15/23 12:47	05/16/23 00:26	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/15/23 12:47	05/16/23 00:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				05/15/23 12:47	05/16/23 00:26	1
o-Terphenyl	99		70 - 130				05/15/23 12:47	05/16/23 00:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.2		5.02		mg/Kg			05/16/23 02:31	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-28369-1	S-1 (0-1')	91	92
880-28369-1 MS	S-1 (0-1')	101	96
880-28369-1 MSD	S-1 (0-1')	99	104
880-28369-2	S-1 (1.5')	100	98
880-28369-3	S-1 (2')	107	109
880-28369-4	S-1 (3')	99	109
880-28369-5	S-2 (0-1')	98	96
880-28369-6	S-2 (1.5')	110	108
880-28369-7	S-2 (2')	125	116
880-28369-8	S-2 (3')	107	99
880-28369-9	S-3 (0-1')	109	107
880-28369-10	S-3 (1.5')	146 S1+	118
880-28369-11	S-3 (2')	95	99
880-28369-12	S-3 (3')	107	106
880-28369-13	S-3 (4')	107	109
880-28369-14	S-4 (0-1')	124	109
880-28369-15	S-4 (1.5')	121	106
880-28369-16	S-4 (2')	111	105
880-28369-17	S-4 (3')	119	105
880-28369-18	S-4 (4')	199 S1+	115
880-28369-19	S-5 (0-1')	119	104
880-28369-20	S-5 (1.5')	116	100
880-28369-21	S-5 (2')	115	97
880-28369-21 MS	S-5 (2')	107	113
880-28369-21 MSD	S-5 (2')	113	96
880-28369-22	S-5 (3')	111	105
880-28369-23	S-6 (0-1')	78	90
880-28369-23 MS	S-6 (0-1')	93	99
880-28369-23 MSD	S-6 (0-1')	99	94
880-28369-24	S-6 (1.5')	97	107
880-28369-25	S-6 (2')	139 S1+	100
880-28369-26	S-6 (3')	121	95
880-28369-27	S-7 (0-1')	122	107
880-28369-28	S-7 (1.5')	90	96
880-28369-29	S-8 (0-1')	98	106
880-28369-30	S-8 (1.5')	146 S1+	110
880-28369-31	S-8 (2')	132 S1+	93
880-28369-32	S-8 (3')	99	110
880-28369-33	S-9 (0-1')	132 S1+	96
880-28369-34	S-9 (1.5')	171 S1+	98
880-28369-35	S-9 (2')	113	103
880-28369-36	S-9 (3')	146 S1+	0.04 S1-
880-28369-37	S-9 (4')	127	100
880-28369-38	S-10 (0-1')	152 S1+	108
880-28369-39	S-10 (1.5')	124	98
880-28369-40	S-10 (2')	166085 S1+	58 S1-
880-28369-41	S-10 (3')	107	92
880-28369-41 MS	S-10 (3')	111	104
880-28369-41 MSD	S-10 (3')	110	101

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Surrogate Summary

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-28369-42	S-10 (4')	101	77
880-28369-43	S-11 (0-1')	175 S1+	92
880-28369-44	S-11 (1.5')	133 S1+	105
880-28369-45	S-12 (0-1')	276 S1+	106
880-28369-46	S-12 (1.5')	272 S1+	98
880-28369-47	S-12 (2')	162 S1+	107
880-28369-48	S-12 (3')	115	94
880-28369-49	S-12 (4')	121	95
880-28369-50	S-13 (0-1')	284 S1+	95
880-28369-51	S-13 (1.5')	82	107
880-28369-52	S-13 (2')	106	90
880-28369-53	S-13 (3')	115	87
880-28369-54	S-13 (4')	115	84
880-28369-55	S-14 (0-1')	102	84
880-28369-56	S-14 (1.5')	99	61 S1-
880-28369-57	S-14 (2')	97	73
880-28369-58	S-14 (3')	95	74
880-28369-59	S-14 (4')	97	60 S1-
880-28369-60	S-15 (0-1')	199 S1+	90
880-28369-61	S-15 (1.5')	108	99
880-28369-61 MS	S-15 (1.5')	106	103
880-28369-61 MSD	S-15 (1.5')	112	106
880-28369-62	S-15 (2')	106	84
880-28369-63	S-15 (3')	115	85
880-28369-64	S-15 (4')	103	87
880-28369-65	S-16 (0-1')	152 S1+	90
880-28369-66	S-16 (1.5')	269 S1+	99
880-28369-67	S-16 (2')	225 S1+	95
880-28369-68	S-16 (3')	137 S1+	119
880-28369-69	S-16 (4')	110	85
890-4652-A-27-D MS	Matrix Spike	100	112
890-4652-A-27-E MSD	Matrix Spike Duplicate	94	118
890-4657-A-5-B MS	Matrix Spike	104	103
890-4657-A-5-C MSD	Matrix Spike Duplicate	108	99
LCS 880-53242/1-A	Lab Control Sample	105	104
LCS 880-53263/1-A	Lab Control Sample	98	120
LCS 880-53264/1-A	Lab Control Sample	127	105
LCS 880-53265/1-A	Lab Control Sample	104	103
LCS 880-53272/1-A	Lab Control Sample	94	104
LCS 880-53384/1-A	Lab Control Sample	98	110
LCS 880-53491/1-A	Lab Control Sample	106	115
LCSD 880-53242/2-A	Lab Control Sample Dup	107	102
LCSD 880-53263/2-A	Lab Control Sample Dup	101	133 S1+
LCSD 880-53264/2-A	Lab Control Sample Dup	112	102
LCSD 880-53265/2-A	Lab Control Sample Dup	110	96
LCSD 880-53272/2-A	Lab Control Sample Dup	89	108
LCSD 880-53384/2-A	Lab Control Sample Dup	94	124
LCSD 880-53491/2-A	Lab Control Sample Dup	103	124
MB 880-53202/5-A	Method Blank	94	101
MB 880-53203/5-A	Method Blank	66 S1-	88

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Surrogate Summary

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
MB 880-53242/5-B	Method Blank	67 S1-	94
MB 880-53263/5-A	Method Blank	97	108
MB 880-53264/5-A	Method Blank	95	102
MB 880-53265/5-A	Method Blank	67 S1-	90
MB 880-53272/5-A	Method Blank	93	103
MB 880-53384/5-A	Method Blank	93	103
MB 880-53491/5-A	Method Blank	98	92
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)
880-28368-A-1-H MS	Matrix Spike	93	78
880-28368-A-1-I MSD	Matrix Spike Duplicate	91	80
880-28369-1	S-1 (0-1')	93	68 S1-
880-28369-1 MS	S-1 (0-1')	84	58 S1-
880-28369-1 MSD	S-1 (0-1')	88	60 S1-
880-28369-2	S-1 (1.5')	97	72
880-28369-3	S-1 (2')	101	75
880-28369-4	S-1 (3')	104	77
880-28369-5	S-2 (0-1')	105	78
880-28369-6	S-2 (1.5')	191 S1+	143 S1+
880-28369-7	S-2 (2')	102	77
880-28369-8	S-2 (3')	108	81
880-28369-9	S-3 (0-1')	87	62 S1-
880-28369-10	S-3 (1.5')	102	76
880-28369-11	S-3 (2')	111	83
880-28369-12	S-3 (3')	124	92
880-28369-13	S-3 (4')	109	82
880-28369-14	S-4 (0-1')	91	65 S1-
880-28369-15	S-4 (1.5')	109	81
880-28369-16	S-4 (2')	108	82
880-28369-17	S-4 (3')	104	78
880-28369-18	S-4 (4')	110	83
880-28369-19	S-5 (0-1')	92	67 S1-
880-28369-20	S-5 (1.5')	102	75
880-28369-21	S-5 (2')	101	115
880-28369-21 MS	S-5 (2')	82	82
880-28369-21 MSD	S-5 (2')	97	97
880-28369-22	S-5 (3')	96	105
880-28369-23	S-6 (0-1')	86	94
880-28369-24	S-6 (1.5')	105	113
880-28369-25	S-6 (2')	96	105
880-28369-26	S-6 (3')	116	126
880-28369-27	S-7 (0-1')	115	120

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Surrogate Summary

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-28369-28	S-7 (1.5')	99	109
880-28369-29	S-8 (0-1')	108	115
880-28369-30	S-8 (1.5')	96	106
880-28369-31	S-8 (2')	119	130
880-28369-32	S-8 (3')	103	114
880-28369-33	S-9 (0-1')	119	214 S1+
880-28369-34	S-9 (1.5')	121	109
880-28369-35	S-9 (2')	98	108
880-28369-36	S-9 (3')	102	111
880-28369-37	S-9 (4')	119	131 S1+
880-28369-38	S-10 (0-1')	285 S1+	434 S1+
880-28369-39	S-10 (1.5')	110	108
880-28369-40	S-10 (2')	99	107
880-28369-41	S-10 (3')	117	142 S1+
880-28369-41 MS	S-10 (3')	112	118
880-28369-41 MSD	S-10 (3')	126	126
880-28369-42	S-10 (4')	121	145 S1+
880-28369-43	S-11 (0-1')	254 S1+	562 S1+
880-28369-44	S-11 (1.5')	138 S1+	148 S1+
880-28369-45	S-12 (0-1')	197 S1+	187 S1+
880-28369-46	S-12 (1.5')	152 S1+	131 S1+
880-28369-47	S-12 (2')	135 S1+	132 S1+
880-28369-48	S-12 (3')	130	140 S1+
880-28369-49	S-12 (4')	112	130
880-28369-50	S-13 (0-1')	151 S1+	131 S1+
880-28369-51	S-13 (1.5')	122	144 S1+
880-28369-52	S-13 (2')	121	142 S1+
880-28369-53	S-13 (3')	140 S1+	159 S1+
880-28369-54	S-13 (4')	136 S1+	154 S1+
880-28369-55	S-14 (0-1')	120	142 S1+
880-28369-56	S-14 (1.5')	113	134 S1+
880-28369-57	S-14 (2')	116	138 S1+
880-28369-58	S-14 (3')	118	146 S1+
880-28369-59	S-14 (4')	119	145 S1+
880-28369-60	S-15 (0-1')	177 S1+	406 S1+
880-28369-61	S-15 (1.5')	106	99
880-28369-62	S-15 (2')	127	99
880-28369-63	S-15 (3')	125	97
880-28369-64	S-15 (4')	124	149 S1+
880-28369-65	S-16 (0-1')	147 S1+	219 S1+
880-28369-66	S-16 (1.5')	172 S1+	90
880-28369-67	S-16 (2')	153 S1+	92
880-28369-68	S-16 (3')	127	97
880-28369-69	S-16 (4')	128	99
880-28372-A-21-E MS	Matrix Spike	117	126
880-28372-A-21-F MSD	Matrix Spike Duplicate	120	129
890-4651-A-1-E MS	Matrix Spike	121	88
890-4651-A-1-F MSD	Matrix Spike Duplicate	125	90
LCS 880-53288/2-A	Lab Control Sample	93	108
LCS 880-53289/2-A	Lab Control Sample	99	76

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Surrogate Summary

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
LCS 880-53304/2-A	Lab Control Sample	109	125
LCS 880-53306/2-A	Lab Control Sample	96	112
LCS 880-53307/2-A	Lab Control Sample	108	100
LCS 880-53379/2-A	Lab Control Sample	108	86
LCSD 880-53288/3-A	Lab Control Sample Dup	100	111
LCSD 880-53289/3-A	Lab Control Sample Dup	101	77
LCSD 880-53304/3-A	Lab Control Sample Dup	112	132 S1+
LCSD 880-53306/3-A	Lab Control Sample Dup	126	144 S1+
LCSD 880-53307/3-A	Lab Control Sample Dup	105	92
LCSD 880-53379/3-A	Lab Control Sample Dup	113	88
MB 880-53288/1-A	Method Blank	129	152 S1+
MB 880-53289/1-A	Method Blank	135 S1+	108
MB 880-53304/1-A	Method Blank	136 S1+	168 S1+
MB 880-53306/1-A	Method Blank	143 S1+	175 S1+
MB 880-53307/1-A	Method Blank	122	125
MB 880-53379/1-A	Method Blank	177 S1+	144 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-53202/5-A

Matrix: Solid

Analysis Batch: 53200

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53202

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/23 09:27	05/12/23 11:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 09:27	05/12/23 11:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 09:27	05/12/23 11:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/12/23 09:27	05/12/23 11:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 09:27	05/12/23 11:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/12/23 09:27	05/12/23 11:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	05/12/23 09:27	05/12/23 11:49	1
1,4-Difluorobenzene (Surr)	101		70 - 130	05/12/23 09:27	05/12/23 11:49	1

Lab Sample ID: MB 880-53203/5-A

Matrix: Solid

Analysis Batch: 53101

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53203

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/23 09:43	05/12/23 23:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 09:43	05/12/23 23:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 09:43	05/12/23 23:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/12/23 09:43	05/12/23 23:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 09:43	05/12/23 23:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/12/23 09:43	05/12/23 23:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	66	S1-	70 - 130	05/12/23 09:43	05/12/23 23:10	1
1,4-Difluorobenzene (Surr)	88		70 - 130	05/12/23 09:43	05/12/23 23:10	1

Lab Sample ID: MB 880-53242/5-B

Matrix: Solid

Analysis Batch: 53337

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53242

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:15	05/15/23 11:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:15	05/15/23 11:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:15	05/15/23 11:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/12/23 13:15	05/15/23 11:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:15	05/15/23 11:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/12/23 13:15	05/15/23 11:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67	S1-	70 - 130	05/12/23 13:15	05/15/23 11:12	1
1,4-Difluorobenzene (Surr)	94		70 - 130	05/12/23 13:15	05/15/23 11:12	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-53242/1-A

Matrix: Solid

Analysis Batch: 53337

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53242

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1317	*+	mg/Kg		132	70 - 130
Toluene	0.100	0.1248		mg/Kg		125	70 - 130
Ethylbenzene	0.100	0.1303		mg/Kg		130	70 - 130
m-Xylene & p-Xylene	0.200	0.2638	*+	mg/Kg		132	70 - 130
o-Xylene	0.100	0.1289		mg/Kg		129	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-53242/2-A

Matrix: Solid

Analysis Batch: 53337

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53242

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1323	*+	mg/Kg		132	70 - 130	0	35
Toluene	0.100	0.1252		mg/Kg		125	70 - 130	0	35
Ethylbenzene	0.100	0.1329	*+	mg/Kg		133	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2687	*+	mg/Kg		134	70 - 130	2	35
o-Xylene	0.100	0.1319	*+	mg/Kg		132	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-28369-61 MS

Matrix: Solid

Analysis Batch: 53337

Client Sample ID: S-15 (1.5')

Prep Type: Total/NA

Prep Batch: 53242

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U *	0.0998	0.1270		mg/Kg		127	70 - 130
Toluene	0.00636		0.0998	0.1124		mg/Kg		106	70 - 130
Ethylbenzene	0.00858	*+	0.0998	0.1035		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.0170	*+	0.200	0.2072		mg/Kg		95	70 - 130
o-Xylene	0.0135	*+	0.0998	0.1073		mg/Kg		94	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-28369-61 MSD

Matrix: Solid

Analysis Batch: 53337

Client Sample ID: S-15 (1.5')

Prep Type: Total/NA

Prep Batch: 53242

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U *	0.100	0.1246		mg/Kg		124	70 - 130	2	35
Toluene	0.00636		0.100	0.1116		mg/Kg		105	70 - 130	1	35
Ethylbenzene	0.00858	*+	0.100	0.1065		mg/Kg		98	70 - 130	3	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28369-61 MSD

Matrix: Solid

Analysis Batch: 53337

Client Sample ID: S-15 (1.5')

Prep Type: Total/NA

Prep Batch: 53242

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	0.0170	*+	0.200	0.1981		mg/Kg		90	70 - 130	4	35
o-Xylene	0.0135	*+	0.100	0.1191		mg/Kg		105	70 - 130	10	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	112		70 - 130								
1,4-Difluorobenzene (Surr)	106		70 - 130								

Lab Sample ID: MB 880-53263/5-A

Matrix: Solid

Analysis Batch: 53199

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53263

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/12/23 16:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/12/23 16:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/12/23 16:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/12/23 13:21	05/12/23 16:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:21	05/12/23 16:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/12/23 13:21	05/12/23 16:59	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				05/12/23 13:21	05/12/23 16:59	1
1,4-Difluorobenzene (Surr)	108		70 - 130				05/12/23 13:21	05/12/23 16:59	1

Lab Sample ID: LCS 880-53263/1-A

Matrix: Solid

Analysis Batch: 53199

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53263

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.100	0.1470	*+	mg/Kg		147	70 - 130		
Toluene	0.100	0.1247		mg/Kg		125	70 - 130		
Ethylbenzene	0.100	0.1112		mg/Kg		111	70 - 130		
m-Xylene & p-Xylene	0.200	0.2200		mg/Kg		110	70 - 130		
o-Xylene	0.100	0.1066		mg/Kg		107	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	98		70 - 130						
1,4-Difluorobenzene (Surr)	120		70 - 130						

Lab Sample ID: LCSD 880-53263/2-A

Matrix: Solid

Analysis Batch: 53199

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53263

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1348	*+	mg/Kg		135	70 - 130	9	35
Toluene	0.100	0.1037		mg/Kg		104	70 - 130	18	35
Ethylbenzene	0.100	0.09892		mg/Kg		99	70 - 130	12	35
m-Xylene & p-Xylene	0.200	0.2088		mg/Kg		104	70 - 130	5	35
o-Xylene	0.100	0.1016		mg/Kg		102	70 - 130	5	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	133	S1+	70 - 130

Lab Sample ID: 880-28369-1 MS

Matrix: Solid

Analysis Batch: 53199

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

Prep Type: Total/NA

Prep Batch: 53263

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U **	0.0998	0.1011		mg/Kg		101	70 - 130
Toluene	<0.00201	U	0.0998	0.1085		mg/Kg		109	70 - 130
Ethylbenzene	<0.00201	U	0.0998	0.09829		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1969		mg/Kg		99	70 - 130
o-Xylene	<0.00201	U	0.0998	0.09435		mg/Kg		95	70 - 130

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

Lab Sample ID: 880-28369-1 MSD

Matrix: Solid

Analysis Batch: 53199

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

Prep Type: Total/NA

Prep Batch: 53263

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00201	U **	0.100	0.1195		mg/Kg		119	70 - 130	17	35
Toluene	<0.00201	U	0.100	0.1090		mg/Kg		109	70 - 130	0	35
Ethylbenzene	<0.00201	U	0.100	0.1008		mg/Kg		101	70 - 130	3	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2112		mg/Kg		105	70 - 130	7	35
o-Xylene	<0.00201	U	0.100	0.1003		mg/Kg		100	70 - 130	6	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-53264/5-A

Matrix: Solid

Analysis Batch: 53200

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53264

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:23	05/12/23 23:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:23	05/12/23 23:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:23	05/12/23 23:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/12/23 13:23	05/12/23 23:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:23	05/12/23 23:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/12/23 13:23	05/12/23 23:52	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	95		70 - 130	05/12/23 13:23	05/12/23 23:52	1			
1,4-Difluorobenzene (Surr)	102		70 - 130	05/12/23 13:23	05/12/23 23:52	1			

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QC Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-53264/1-A

Matrix: Solid

Analysis Batch: 53200

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53264

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1137		mg/Kg		114	70 - 130
Toluene	0.100	0.1290		mg/Kg		129	70 - 130
Ethylbenzene	0.100	0.1370	*+	mg/Kg		137	70 - 130
m-Xylene & p-Xylene	0.200	0.3006	*+	mg/Kg		150	70 - 130
o-Xylene	0.100	0.1458	*+	mg/Kg		146	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	127		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-53264/2-A

Matrix: Solid

Analysis Batch: 53200

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53264

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1204		mg/Kg		120	70 - 130	6	35
Toluene	0.100	0.1235		mg/Kg		123	70 - 130	4	35
Ethylbenzene	0.100	0.1244		mg/Kg		124	70 - 130	10	35
m-Xylene & p-Xylene	0.200	0.2576		mg/Kg		129	70 - 130	15	35
o-Xylene	0.100	0.1244		mg/Kg		124	70 - 130	16	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-28369-21 MS

Matrix: Solid

Analysis Batch: 53200

Client Sample ID: S-5 (2')

Prep Type: Total/NA

Prep Batch: 53264

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1	0.0990	0.06353	F1	mg/Kg		64	70 - 130
Toluene	<0.00201	U	0.0990	0.07934		mg/Kg		80	70 - 130
Ethylbenzene	<0.00201	U *+	0.0990	0.08625		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	<0.00402	U *+	0.198	0.1791		mg/Kg		90	70 - 130
o-Xylene	<0.00201	U *+	0.0990	0.08647		mg/Kg		87	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: 880-28369-21 MSD

Matrix: Solid

Analysis Batch: 53200

Client Sample ID: S-5 (2')

Prep Type: Total/NA

Prep Batch: 53264

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1	0.0996	0.08369		mg/Kg		84	70 - 130	27	35
Toluene	<0.00201	U	0.0996	0.08791		mg/Kg		88	70 - 130	10	35
Ethylbenzene	<0.00201	U *+	0.0996	0.09170		mg/Kg		91	70 - 130	6	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28369-21 MSD

Matrix: Solid

Analysis Batch: 53200

Client Sample ID: S-5 (2')

Prep Type: Total/NA

Prep Batch: 53264

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00402	U *	0.199	0.1876		mg/Kg		94	70 - 130	5	35
o-Xylene	<0.00201	U *	0.0996	0.09089		mg/Kg		91	70 - 130	5	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	113		70 - 130								
1,4-Difluorobenzene (Surr)	96		70 - 130								

Lab Sample ID: MB 880-53265/5-A

Matrix: Solid

Analysis Batch: 53101

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53265

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:24	05/13/23 09:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:24	05/13/23 09:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:24	05/13/23 09:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/12/23 13:24	05/13/23 09:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 13:24	05/13/23 09:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/12/23 13:24	05/13/23 09:46	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67	S1-	70 - 130				05/12/23 13:24	05/13/23 09:46	1
1,4-Difluorobenzene (Surr)	90		70 - 130				05/12/23 13:24	05/13/23 09:46	1

Lab Sample ID: LCS 880-53265/1-A

Matrix: Solid

Analysis Batch: 53101

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53265

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.100	0.1094		mg/Kg		109	70 - 130		
Toluene	0.100	0.09926		mg/Kg		99	70 - 130		
Ethylbenzene	0.100	0.09783		mg/Kg		98	70 - 130		
m-Xylene & p-Xylene	0.200	0.1970		mg/Kg		99	70 - 130		
o-Xylene	0.100	0.1070		mg/Kg		107	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	104		70 - 130						
1,4-Difluorobenzene (Surr)	103		70 - 130						

Lab Sample ID: LCSD 880-53265/2-A

Matrix: Solid

Analysis Batch: 53101

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53265

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1034		mg/Kg		103	70 - 130	6	35
Toluene	0.100	0.09734		mg/Kg		97	70 - 130	2	35
Ethylbenzene	0.100	0.1015		mg/Kg		102	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2037		mg/Kg		102	70 - 130	3	35
o-Xylene	0.100	0.1058		mg/Kg		106	70 - 130	1	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-28369-41 MS

Matrix: Solid

Analysis Batch: 53101

Client Sample ID: S-10 (3')

Prep Type: Total/NA

Prep Batch: 53265

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0998	0.1053		mg/Kg		105	70 - 130
Toluene	0.0243		0.0998	0.1023		mg/Kg		78	70 - 130
Ethylbenzene	0.0158		0.0998	0.09808		mg/Kg		82	70 - 130
m-Xylene & p-Xylene	0.0471		0.200	0.2067		mg/Kg		80	70 - 130
o-Xylene	0.0182		0.0998	0.1040		mg/Kg		86	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-28369-41 MSD

Matrix: Solid

Analysis Batch: 53101

Client Sample ID: S-10 (3')

Prep Type: Total/NA

Prep Batch: 53265

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00201	U	0.0990	0.09180		mg/Kg		92	70 - 130	14	35
Toluene	0.0243		0.0990	0.09685		mg/Kg		73	70 - 130	6	35
Ethylbenzene	0.0158		0.0990	0.09419		mg/Kg		79	70 - 130	4	35
m-Xylene & p-Xylene	0.0471		0.198	0.1956		mg/Kg		75	70 - 130	6	35
o-Xylene	0.0182		0.0990	0.09818		mg/Kg		81	70 - 130	6	35

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

Lab Sample ID: MB 880-53272/5-A

Matrix: Solid

Analysis Batch: 53334

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53272

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/12/23 14:20	05/15/23 14:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 14:20	05/15/23 14:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 14:20	05/15/23 14:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/12/23 14:20	05/15/23 14:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 14:20	05/15/23 14:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/12/23 14:20	05/15/23 14:53	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	93		70 - 130	05/12/23 14:20	05/15/23 14:53	1			
1,4-Difluorobenzene (Surr)	103		70 - 130	05/12/23 14:20	05/15/23 14:53	1			

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QC Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-53272/1-A

Matrix: Solid

Analysis Batch: 53334

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53272

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1273		mg/Kg		127	70 - 130
Toluene	0.100	0.1201		mg/Kg		120	70 - 130
Ethylbenzene	0.100	0.1237		mg/Kg		124	70 - 130
m-Xylene & p-Xylene	0.200	0.1954		mg/Kg		98	70 - 130
o-Xylene	0.100	0.09080		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-53272/2-A

Matrix: Solid

Analysis Batch: 53334

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53272

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1311	*+	mg/Kg		131	70 - 130	3	35
Toluene	0.100	0.1146		mg/Kg		115	70 - 130	5	35
Ethylbenzene	0.100	0.1142		mg/Kg		114	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1889		mg/Kg		94	70 - 130	3	35
o-Xylene	0.100	0.08837		mg/Kg		88	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 880-28369-23 MS

Matrix: Solid

Analysis Batch: 53334

Client Sample ID: S-6 (0-1')

Prep Type: Total/NA

Prep Batch: 53272

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U *+	0.101	0.09114		mg/Kg		90	70 - 130
Toluene	<0.00199	U	0.101	0.1110		mg/Kg		109	70 - 130
Ethylbenzene	<0.00199	U	0.101	0.1050		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1732		mg/Kg		85	70 - 130
o-Xylene	<0.00199	U	0.101	0.08086		mg/Kg		80	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-28369-23 MSD

Matrix: Solid

Analysis Batch: 53334

Client Sample ID: S-6 (0-1')

Prep Type: Total/NA

Prep Batch: 53272

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U *+	0.0996	0.1034		mg/Kg		104	70 - 130	13	35
Toluene	<0.00199	U	0.0996	0.1169		mg/Kg		117	70 - 130	5	35
Ethylbenzene	<0.00199	U	0.0996	0.1089		mg/Kg		109	70 - 130	4	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28369-23 MSD

Matrix: Solid

Analysis Batch: 53334

Client Sample ID: S-6 (0-1')

Prep Type: Total/NA

Prep Batch: 53272

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1773		mg/Kg		88	70 - 130	2	35
o-Xylene	<0.00199	U	0.0996	0.08373		mg/Kg		83	70 - 130	3	35
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	99		70 - 130								
1,4-Difluorobenzene (Surr)	94		70 - 130								

Lab Sample ID: MB 880-53384/5-A

Matrix: Solid

Analysis Batch: 53334

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53384

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/15/23 13:18	05/16/23 02:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/15/23 13:18	05/16/23 02:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/15/23 13:18	05/16/23 02:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/15/23 13:18	05/16/23 02:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/15/23 13:18	05/16/23 02:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/15/23 13:18	05/16/23 02:30	1
Surrogate	MB %Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				05/15/23 13:18	05/16/23 02:30	1
1,4-Difluorobenzene (Surr)	103		70 - 130				05/15/23 13:18	05/16/23 02:30	1

Lab Sample ID: LCS 880-53384/1-A

Matrix: Solid

Analysis Batch: 53334

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53384

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.100	0.1414	*+	mg/Kg		141	70 - 130		
Toluene	0.100	0.1258		mg/Kg		126	70 - 130		
Ethylbenzene	0.100	0.1281		mg/Kg		128	70 - 130		
m-Xylene & p-Xylene	0.200	0.1982		mg/Kg		99	70 - 130		
o-Xylene	0.100	0.09338		mg/Kg		93	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	LCS Limits						
4-Bromofluorobenzene (Surr)	98		70 - 130						
1,4-Difluorobenzene (Surr)	110		70 - 130						

Lab Sample ID: LCSD 880-53384/2-A

Matrix: Solid

Analysis Batch: 53334

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53384

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1266		mg/Kg		127	70 - 130	11	35
Toluene	0.100	0.1149		mg/Kg		115	70 - 130	9	35
Ethylbenzene	0.100	0.1209		mg/Kg		121	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1872		mg/Kg		94	70 - 130	6	35
o-Xylene	0.100	0.08749		mg/Kg		87	70 - 130	7	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	124		70 - 130

Lab Sample ID: 890-4657-A-5-B MS

Matrix: Solid

Analysis Batch: 53334

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 53384

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U *	0.0994	0.09999		mg/Kg		101	70 - 130
Toluene	<0.00202	U	0.0994	0.09463		mg/Kg		95	70 - 130
Ethylbenzene	<0.00202	U	0.0994	0.1001		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.199	0.1600		mg/Kg		80	70 - 130
o-Xylene	<0.00202	U	0.0994	0.07411		mg/Kg		75	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 890-4657-A-5-C MSD

Matrix: Solid

Analysis Batch: 53334

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 53384

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00202	U *	0.0996	0.09692		mg/Kg		97	70 - 130	3	35
Toluene	<0.00202	U	0.0996	0.1067		mg/Kg		107	70 - 130	12	35
Ethylbenzene	<0.00202	U	0.0996	0.1176		mg/Kg		118	70 - 130	16	35
m-Xylene & p-Xylene	<0.00403	U	0.199	0.1777		mg/Kg		89	70 - 130	11	35
o-Xylene	<0.00202	U	0.0996	0.08229		mg/Kg		83	70 - 130	10	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: MB 880-53491/5-A

Matrix: Solid

Analysis Batch: 53488

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53491

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/16/23 14:29	05/16/23 16:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/16/23 14:29	05/16/23 16:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/16/23 14:29	05/16/23 16:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/16/23 14:29	05/16/23 16:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/16/23 14:29	05/16/23 16:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/16/23 14:29	05/16/23 16:37	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	98		70 - 130	05/16/23 14:29	05/16/23 16:37	1			
1,4-Difluorobenzene (Surr)	92		70 - 130	05/16/23 14:29	05/16/23 16:37	1			

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QC Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-53491/1-A

Matrix: Solid

Analysis Batch: 53488

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53491

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1361	*+	mg/Kg		136	70 - 130
Toluene	0.100	0.1349	*+	mg/Kg		135	70 - 130
Ethylbenzene	0.100	0.1389	*+	mg/Kg		139	70 - 130
m-Xylene & p-Xylene	0.200	0.2301		mg/Kg		115	70 - 130
o-Xylene	0.100	0.1082		mg/Kg		108	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: LCSD 880-53491/2-A

Matrix: Solid

Analysis Batch: 53488

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53491

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1287		mg/Kg		129	70 - 130	6	35
Toluene	0.100	0.1260		mg/Kg		126	70 - 130	7	35
Ethylbenzene	0.100	0.1292		mg/Kg		129	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.2139		mg/Kg		107	70 - 130	7	35
o-Xylene	0.100	0.1019		mg/Kg		102	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	124		70 - 130

Lab Sample ID: 890-4652-A-27-D MS

Matrix: Solid

Analysis Batch: 53488

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 53491

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U *	0.0992	0.1044		mg/Kg		105	70 - 130
Toluene	<0.00200	U *	0.0992	0.1095		mg/Kg		110	70 - 130
Ethylbenzene	<0.00200	U *	0.0992	0.1181		mg/Kg		119	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.198	0.1833		mg/Kg		92	70 - 130
o-Xylene	<0.00200	U	0.0992	0.08498		mg/Kg		85	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 890-4652-A-27-E MSD

Matrix: Solid

Analysis Batch: 53488

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 53491

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U *	0.0990	0.1182		mg/Kg		119	70 - 130	12	35
Toluene	<0.00200	U *	0.0990	0.1151		mg/Kg		116	70 - 130	5	35
Ethylbenzene	<0.00200	U *	0.0990	0.1053		mg/Kg		106	70 - 130	11	35

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

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

Lab Sample ID: 890-4652-A-27-E MSD

Matrix: Solid

Analysis Batch: 53488

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 53491

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00399	U	0.198	0.1711		mg/Kg		86	70 - 130	7	35
o-Xylene	<0.00200	U	0.0990	0.08109		mg/Kg		81	70 - 130	5	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	94		70 - 130								
1,4-Difluorobenzene (Surr)	118		70 - 130								

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

Lab Sample ID: MB 880-53288/1-A

Matrix: Solid

Analysis Batch: 53193

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53288

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 16:36	05/12/23 20:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 16:36	05/12/23 20:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 16:36	05/12/23 20:19	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130				05/12/23 16:36	05/12/23 20:19	1
o-Terphenyl	152	S1+	70 - 130				05/12/23 16:36	05/12/23 20:19	1

Lab Sample ID: LCS 880-53288/2-A

Matrix: Solid

Analysis Batch: 53193

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53288

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	912.5		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	913.7		mg/Kg		91	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	93		70 - 130						
o-Terphenyl	108		70 - 130						

Lab Sample ID: LCSD 880-53288/3-A

Matrix: Solid

Analysis Batch: 53193

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53288

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	929.2		mg/Kg		93	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	839.6		mg/Kg		84	70 - 130	8	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-53288/3-A

Matrix: Solid

Analysis Batch: 53193

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53288

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	111		70 - 130

Lab Sample ID: 880-28369-21 MS

Matrix: Solid

Analysis Batch: 53193

Client Sample ID: S-5 (2')

Prep Type: Total/NA

Prep Batch: 53288

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	999	838.3		mg/Kg		82	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	999	921.1		mg/Kg		90	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	82		70 - 130							
o-Terphenyl	82		70 - 130							

Lab Sample ID: 880-28369-21 MSD

Matrix: Solid

Analysis Batch: 53193

Client Sample ID: S-5 (2')

Prep Type: Total/NA

Prep Batch: 53288

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	999	1055	F2	mg/Kg		104	70 - 130	23	20	
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1100		mg/Kg		108	70 - 130	18	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	97		70 - 130									
o-Terphenyl	97		70 - 130									

Lab Sample ID: MB 880-53289/1-A

Matrix: Solid

Analysis Batch: 53191

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53289

	MB	MB									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/12/23 20:19	1		
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/12/23 20:19	1		
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 16:39	05/12/23 20:19	1		
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac		
1-Chlorooctane	135	S1+	70 - 130				05/12/23 16:39	05/12/23 20:19	1		
o-Terphenyl	108		70 - 130				05/12/23 16:39	05/12/23 20:19	1		

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-53289/2-A

Matrix: Solid

Analysis Batch: 53191

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53289

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier			Limits			
Gasoline Range Organics (GRO)-C6-C10			1000	846.9		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	868.6		mg/Kg		87	70 - 130		

Lab Sample ID: LCSD 880-53289/3-A

Matrix: Solid

Analysis Batch: 53191

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53289

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	840.3		mg/Kg		84	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	804.6		mg/Kg		80	70 - 130	8	20
			LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	101		70 - 130								
o-Terphenyl	77		70 - 130								

Lab Sample ID: 880-28369-1 MS

Matrix: Solid

Analysis Batch: 53191

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

Prep Type: Total/NA

Prep Batch: 53289

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	863.3		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	998	675.9	F1	mg/Kg		68	70 - 130		
										</	

Lab Sample ID: 880-28369-1 MSD

Matrix: Solid

Analysis Batch: 53191

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

Prep Type: Total/NA

Prep Batch: 53289

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	817.2		mg/Kg		80	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	997	700.4		mg/Kg		70	70 - 130	4	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	88		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28369-1 MSD

Matrix: Solid

Analysis Batch: 53191

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

Prep Type: Total/NA

Prep Batch: 53289

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	60	S1-	70 - 130

Lab Sample ID: MB 880-53304/1-A

Matrix: Solid

Analysis Batch: 53318

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53304

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 21:01	05/13/23 08:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 21:01	05/13/23 08:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 21:01	05/13/23 08:25	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				05/12/23 21:01	05/13/23 08:25	1
<i>o</i> -Terphenyl	168	S1+	70 - 130				05/12/23 21:01	05/13/23 08:25	1

Lab Sample ID: LCS 880-53304/2-A

Matrix: Solid

Analysis Batch: 53318

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53304

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	918.8		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1101		mg/Kg		110	70 - 130
Surrogate	LCS	LCS	Limits				
1-Chlorooctane	109		70 - 130				
<i>o</i> -Terphenyl	125		70 - 130				

Lab Sample ID: LCSD 880-53304/3-A

Matrix: Solid

Analysis Batch: 53318

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53304

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	956.6		mg/Kg		96	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	1000		mg/Kg		100	70 - 130	10	20
Surrogate	LCSD	LCSD	Limits						
1-Chlorooctane	112		70 - 130						
<i>o</i> -Terphenyl	132	S1+	70 - 130						

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QC Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28369-41 MS

Matrix: Solid

Analysis Batch: 53318

Client Sample ID: S-10 (3')

Prep Type: Total/NA

Prep Batch: 53304

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1005		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1164		mg/Kg		114	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	112		70 - 130						
o-Terphenyl	118		70 - 130						

Lab Sample ID: 880-28369-41 MSD

Matrix: Solid

Analysis Batch: 53318

Client Sample ID: S-10 (3')

Prep Type: Total/NA

Prep Batch: 53304

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1134		mg/Kg		111	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1282		mg/Kg		126	70 - 130	10	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	126		70 - 130								
o-Terphenyl	126		70 - 130								

Lab Sample ID: MB 880-53306/1-A

Matrix: Solid

Analysis Batch: 53318

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53306

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 21:11	05/13/23 19:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 21:11	05/13/23 19:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 21:11	05/13/23 19:37	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130				05/12/23 21:11	05/13/23 19:37	1
o-Terphenyl	175	S1+	70 - 130				05/12/23 21:11	05/13/23 19:37	1

Lab Sample ID: LCS 880-53306/2-A

Matrix: Solid

Analysis Batch: 53318

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53306

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	948.3		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	1000	966.5		mg/Kg		97	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-53306/2-A
Matrix: Solid
Analysis Batch: 53318

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 53306

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	112		70 - 130

Lab Sample ID: LCSD 880-53306/3-A
Matrix: Solid
Analysis Batch: 53318

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 53306

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1134		mg/Kg		113	70 - 130	18	20
Diesel Range Organics (Over C10-C28)	1000	1136		mg/Kg		114	70 - 130	16	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	126		70 - 130
o-Terphenyl	144	S1+	70 - 130

Lab Sample ID: 880-28372-A-21-E MS
Matrix: Solid
Analysis Batch: 53318

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 53306

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	846.7		mg/Kg		82	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1005		mg/Kg		98	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	117		70 - 130
o-Terphenyl	126		70 - 130

Lab Sample ID: 880-28372-A-21-F MSD
Matrix: Solid
Analysis Batch: 53318

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 53306

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	868.4		mg/Kg		84	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1023		mg/Kg		99	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	129		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-53307/1-A

Matrix: Solid

Analysis Batch: 53315

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53307

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 08:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 08:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/12/23 21:28	05/13/23 08:32	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				05/12/23 21:28	05/13/23 08:32	1
o-Terphenyl	125		70 - 130				05/12/23 21:28	05/13/23 08:32	1

Lab Sample ID: LCS 880-53307/2-A

Matrix: Solid

Analysis Batch: 53315

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53307

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	834.4		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	1000	783.3		mg/Kg		78	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	108		70 - 130				
o-Terphenyl	100		70 - 130				

Lab Sample ID: LCSD 880-53307/3-A

Matrix: Solid

Analysis Batch: 53315

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53307

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	867.7		mg/Kg		87	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	795.6		mg/Kg		80	70 - 130	2	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	105		70 - 130						
o-Terphenyl	92		70 - 130						

Lab Sample ID: 880-28368-A-1-H MS

Matrix: Solid

Analysis Batch: 53315

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 53307

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	963.4		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	999	904.6		mg/Kg		88	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28368-A-1-H MS

Matrix: Solid

Analysis Batch: 53315

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 53307

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	78		70 - 130

Lab Sample ID: 880-28368-A-1-I MSD

Matrix: Solid

Analysis Batch: 53315

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 53307

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	997	934.4		mg/Kg		94	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.8	U	997	917.4		mg/Kg		89	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	80		70 - 130

Lab Sample ID: MB 880-53379/1-A

Matrix: Solid

Analysis Batch: 53324

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53379

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/15/23 12:47	05/15/23 14:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/15/23 12:47	05/15/23 14:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/15/23 12:47	05/15/23 14:57	1

	MB	MB					Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	177	S1+	70 - 130				05/15/23 12:47	05/15/23 14:57	1
o-Terphenyl	144	S1+	70 - 130				05/15/23 12:47	05/15/23 14:57	1

Lab Sample ID: LCS 880-53379/2-A

Matrix: Solid

Analysis Batch: 53324

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53379

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	945.0		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	1000	983.1		mg/Kg		98	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	86		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-53379/3-A

Matrix: Solid

Analysis Batch: 53324

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53379

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	930.1		mg/Kg		93	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	972.8		mg/Kg		97	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	113		70 - 130						
o-Terphenyl	88		70 - 130						

Lab Sample ID: 890-4651-A-1-E MS

Matrix: Solid

Analysis Batch: 53324

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 53379

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	55.1		997	962.5		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	997	857.2		mg/Kg		84	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	121		70 - 130								
o-Terphenyl	88		70 - 130								

Lab Sample ID: 890-4651-A-1-F MSD

Matrix: Solid

Analysis Batch: 53324

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 53379

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	55.1		997	984.7		mg/Kg		93	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	882.1		mg/Kg		87	70 - 130	3	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	125		70 - 130								
o-Terphenyl	90		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-53281/1-A

Matrix: Solid

Analysis Batch: 53353

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/15/23 08:32	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-53281/2-A
Matrix: Solid
Analysis Batch: 53353

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	242.4		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-53281/3-A
Matrix: Solid
Analysis Batch: 53353

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	242.0		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-28369-6 MS
Matrix: Solid
Analysis Batch: 53353

Client Sample ID: S-2 (1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	69.8		249	314.9		mg/Kg		99	90 - 110

Lab Sample ID: 880-28369-6 MSD
Matrix: Solid
Analysis Batch: 53353

Client Sample ID: S-2 (1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	69.8		249	313.4		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 880-28369-16 MS
Matrix: Solid
Analysis Batch: 53353

Client Sample ID: S-4 (2')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	46.0		252	286.6		mg/Kg		96	90 - 110

Lab Sample ID: 880-28369-16 MSD
Matrix: Solid
Analysis Batch: 53353

Client Sample ID: S-4 (2')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	46.0		252	286.2		mg/Kg		96	90 - 110	0	20

Lab Sample ID: MB 880-53280/1-A
Matrix: Solid
Analysis Batch: 53354

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/15/23 12:07	1

Lab Sample ID: LCS 880-53280/2-A
Matrix: Solid
Analysis Batch: 53354

Client Sample ID: Lab Control Sample
Prep Type: Soluble

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

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-53280/3-A

Matrix: Solid

Analysis Batch: 53354

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	244.0		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-28369-26 MS

Matrix: Solid

Analysis Batch: 53354

Client Sample ID: S-6 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	57.9		251	298.0		mg/Kg		96	90 - 110		

Lab Sample ID: 880-28369-26 MSD

Matrix: Solid

Analysis Batch: 53354

Client Sample ID: S-6 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	57.9		251	298.1		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-28369-36 MS

Matrix: Solid

Analysis Batch: 53354

Client Sample ID: S-9 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	316	F1	248	521.4	F1	mg/Kg		83	90 - 110		

Lab Sample ID: 880-28369-36 MSD

Matrix: Solid

Analysis Batch: 53354

Client Sample ID: S-9 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	316	F1	248	520.8	F1	mg/Kg		83	90 - 110	0	20

Lab Sample ID: MB 880-53282/1-A

Matrix: Solid

Analysis Batch: 53394

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/15/23 21:12	1

Lab Sample ID: LCS 880-53282/2-A

Matrix: Solid

Analysis Batch: 53394

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	257.6		mg/Kg		103	90 - 110		

Lab Sample ID: LCSD 880-53282/3-A

Matrix: Solid

Analysis Batch: 53394

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	258.8		mg/Kg		104	90 - 110	0	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-28368-A-1-E MS

Matrix: Solid

Analysis Batch: 53394

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	56.9		249	306.3		mg/Kg		100	90 - 110

Lab Sample ID: 880-28368-A-1-F MSD

Matrix: Solid

Analysis Batch: 53394

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	56.9		249	306.1		mg/Kg		100	90 - 110	0	20

Lab Sample ID: MB 880-53279/1-A

Matrix: Solid

Analysis Batch: 53395

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/15/23 18:23	1

Lab Sample ID: LCS 880-53279/2-A

Matrix: Solid

Analysis Batch: 53395

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	244.9		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-53279/3-A

Matrix: Solid

Analysis Batch: 53395

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	244.0		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-28369-46 MS

Matrix: Solid

Analysis Batch: 53395

Client Sample ID: S-12 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5580		2480	8031		mg/Kg		99	90 - 110

Lab Sample ID: 880-28369-46 MSD

Matrix: Solid

Analysis Batch: 53395

Client Sample ID: S-12 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	5580		2480	8046		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-28369-56 MS

Matrix: Solid

Analysis Batch: 53395

Client Sample ID: S-14 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	4770		2490	7159		mg/Kg		96	90 - 110

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QC Sample Results

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-28369-56 MSD

Matrix: Solid

Analysis Batch: 53395

Client Sample ID: S-14 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4770		2490	7164		mg/Kg		96	90 - 110	0	20

Lab Sample ID: MB 880-53278/1-A

Matrix: Solid

Analysis Batch: 53401

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/16/23 00:39	1

Lab Sample ID: LCS 880-53278/2-A

Matrix: Solid

Analysis Batch: 53401

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	235.6		mg/Kg		94	90 - 110

Lab Sample ID: LCSD 880-53278/3-A

Matrix: Solid

Analysis Batch: 53401

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	237.7		mg/Kg		95	90 - 110	1	20

Lab Sample ID: 880-28369-67 MS

Matrix: Solid

Analysis Batch: 53401

Client Sample ID: S-16 (2')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	117	F1	248	336.5	F1	mg/Kg		89	90 - 110

Lab Sample ID: 880-28369-67 MSD

Matrix: Solid

Analysis Batch: 53401

Client Sample ID: S-16 (2')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	117	F1	248	330.6	F1	mg/Kg		86	90 - 110	2	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 53101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-41	S-10 (3')	Total/NA	Solid	8021B	53265
880-28369-42	S-10 (4')	Total/NA	Solid	8021B	53265
880-28369-43	S-11 (0-1')	Total/NA	Solid	8021B	53265
880-28369-44	S-11 (1.5')	Total/NA	Solid	8021B	53265
880-28369-45	S-12 (0-1')	Total/NA	Solid	8021B	53265
880-28369-46	S-12 (1.5')	Total/NA	Solid	8021B	53265
880-28369-47	S-12 (2')	Total/NA	Solid	8021B	53265
880-28369-48	S-12 (3')	Total/NA	Solid	8021B	53265
880-28369-49	S-12 (4')	Total/NA	Solid	8021B	53265
880-28369-50	S-13 (0-1')	Total/NA	Solid	8021B	53265
880-28369-51	S-13 (1.5')	Total/NA	Solid	8021B	53265
880-28369-52	S-13 (2')	Total/NA	Solid	8021B	53265
880-28369-53	S-13 (3')	Total/NA	Solid	8021B	53265
880-28369-54	S-13 (4')	Total/NA	Solid	8021B	53265
880-28369-55	S-14 (0-1')	Total/NA	Solid	8021B	53265
880-28369-56	S-14 (1.5')	Total/NA	Solid	8021B	53265
880-28369-57	S-14 (2')	Total/NA	Solid	8021B	53265
880-28369-58	S-14 (3')	Total/NA	Solid	8021B	53265
880-28369-59	S-14 (4')	Total/NA	Solid	8021B	53265
880-28369-60	S-15 (0-1')	Total/NA	Solid	8021B	53265
MB 880-53203/5-A	Method Blank	Total/NA	Solid	8021B	53203
MB 880-53265/5-A	Method Blank	Total/NA	Solid	8021B	53265
LCS 880-53265/1-A	Lab Control Sample	Total/NA	Solid	8021B	53265
LCSD 880-53265/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53265
880-28369-41 MS	S-10 (3')	Total/NA	Solid	8021B	53265
880-28369-41 MSD	S-10 (3')	Total/NA	Solid	8021B	53265

Analysis Batch: 53199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-1	S-1 (0-1')	Total/NA	Solid	8021B	53263
880-28369-2	S-1 (1.5')	Total/NA	Solid	8021B	53263
880-28369-3	S-1 (2')	Total/NA	Solid	8021B	53263
880-28369-4	S-1 (3')	Total/NA	Solid	8021B	53263
880-28369-5	S-2 (0-1')	Total/NA	Solid	8021B	53263
880-28369-6	S-2 (1.5')	Total/NA	Solid	8021B	53263
880-28369-7	S-2 (2')	Total/NA	Solid	8021B	53263
880-28369-8	S-2 (3')	Total/NA	Solid	8021B	53263
880-28369-9	S-3 (0-1')	Total/NA	Solid	8021B	53263
880-28369-10	S-3 (1.5')	Total/NA	Solid	8021B	53263
880-28369-11	S-3 (2')	Total/NA	Solid	8021B	53263
880-28369-12	S-3 (3')	Total/NA	Solid	8021B	53263
880-28369-13	S-3 (4')	Total/NA	Solid	8021B	53263
880-28369-14	S-4 (0-1')	Total/NA	Solid	8021B	53263
880-28369-15	S-4 (1.5')	Total/NA	Solid	8021B	53263
880-28369-16	S-4 (2')	Total/NA	Solid	8021B	53263
880-28369-17	S-4 (3')	Total/NA	Solid	8021B	53263
880-28369-18	S-4 (4')	Total/NA	Solid	8021B	53263
880-28369-19	S-5 (0-1')	Total/NA	Solid	8021B	53263
880-28369-20	S-5 (1.5')	Total/NA	Solid	8021B	53263
MB 880-53263/5-A	Method Blank	Total/NA	Solid	8021B	53263
LCS 880-53263/1-A	Lab Control Sample	Total/NA	Solid	8021B	53263

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

GC VOA (Continued)

Analysis Batch: 53199 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-53263/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53263
880-28369-1 MS	S-1 (0-1')	Total/NA	Solid	8021B	53263
880-28369-1 MSD	S-1 (0-1')	Total/NA	Solid	8021B	53263

Analysis Batch: 53200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-21	S-5 (2')	Total/NA	Solid	8021B	53264
880-28369-22	S-5 (3')	Total/NA	Solid	8021B	53264
880-28369-24	S-6 (1.5')	Total/NA	Solid	8021B	53264
880-28369-25	S-6 (2')	Total/NA	Solid	8021B	53264
880-28369-26	S-6 (3')	Total/NA	Solid	8021B	53264
880-28369-27	S-7 (0-1')	Total/NA	Solid	8021B	53264
880-28369-29	S-8 (0-1')	Total/NA	Solid	8021B	53264
880-28369-30	S-8 (1.5')	Total/NA	Solid	8021B	53264
880-28369-31	S-8 (2')	Total/NA	Solid	8021B	53264
880-28369-32	S-8 (3')	Total/NA	Solid	8021B	53264
880-28369-33	S-9 (0-1')	Total/NA	Solid	8021B	53264
880-28369-34	S-9 (1.5')	Total/NA	Solid	8021B	53264
880-28369-35	S-9 (2')	Total/NA	Solid	8021B	53264
880-28369-36	S-9 (3')	Total/NA	Solid	8021B	53264
880-28369-37	S-9 (4')	Total/NA	Solid	8021B	53264
880-28369-38	S-10 (0-1')	Total/NA	Solid	8021B	53264
880-28369-39	S-10 (1.5')	Total/NA	Solid	8021B	53264
880-28369-40	S-10 (2')	Total/NA	Solid	8021B	53264
MB 880-53202/5-A	Method Blank	Total/NA	Solid	8021B	53202
MB 880-53264/5-A	Method Blank	Total/NA	Solid	8021B	53264
LCS 880-53264/1-A	Lab Control Sample	Total/NA	Solid	8021B	53264
LCSD 880-53264/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53264
880-28369-21 MS	S-5 (2')	Total/NA	Solid	8021B	53264
880-28369-21 MSD	S-5 (2')	Total/NA	Solid	8021B	53264

Prep Batch: 53202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-53202/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 53203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-53203/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 53242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-61	S-15 (1.5')	Total/NA	Solid	5035	
880-28369-62	S-15 (2')	Total/NA	Solid	5035	
880-28369-63	S-15 (3')	Total/NA	Solid	5035	
880-28369-64	S-15 (4')	Total/NA	Solid	5035	
880-28369-65	S-16 (0-1')	Total/NA	Solid	5035	
880-28369-66	S-16 (1.5')	Total/NA	Solid	5035	
880-28369-67	S-16 (2')	Total/NA	Solid	5035	
880-28369-68	S-16 (3')	Total/NA	Solid	5035	
880-28369-69	S-16 (4')	Total/NA	Solid	5035	
MB 880-53242/5-B	Method Blank	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

GC VOA (Continued)

Prep Batch: 53242 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-53242/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-53242/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28369-61 MS	S-15 (1.5')	Total/NA	Solid	5035	
880-28369-61 MSD	S-15 (1.5')	Total/NA	Solid	5035	

Prep Batch: 53263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-1	S-1 (0-1')	Total/NA	Solid	5035	
880-28369-2	S-1 (1.5')	Total/NA	Solid	5035	
880-28369-3	S-1 (2')	Total/NA	Solid	5035	
880-28369-4	S-1 (3')	Total/NA	Solid	5035	
880-28369-5	S-2 (0-1')	Total/NA	Solid	5035	
880-28369-6	S-2 (1.5')	Total/NA	Solid	5035	
880-28369-7	S-2 (2')	Total/NA	Solid	5035	
880-28369-8	S-2 (3')	Total/NA	Solid	5035	
880-28369-9	S-3 (0-1')	Total/NA	Solid	5035	
880-28369-10	S-3 (1.5')	Total/NA	Solid	5035	
880-28369-11	S-3 (2')	Total/NA	Solid	5035	
880-28369-12	S-3 (3')	Total/NA	Solid	5035	
880-28369-13	S-3 (4')	Total/NA	Solid	5035	
880-28369-14	S-4 (0-1')	Total/NA	Solid	5035	
880-28369-15	S-4 (1.5')	Total/NA	Solid	5035	
880-28369-16	S-4 (2')	Total/NA	Solid	5035	
880-28369-17	S-4 (3')	Total/NA	Solid	5035	
880-28369-18	S-4 (4')	Total/NA	Solid	5035	
880-28369-19	S-5 (0-1')	Total/NA	Solid	5035	
880-28369-20	S-5 (1.5')	Total/NA	Solid	5035	
MB 880-53263/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-53263/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-53263/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28369-1 MS	S-1 (0-1')	Total/NA	Solid	5035	
880-28369-1 MSD	S-1 (0-1')	Total/NA	Solid	5035	

Prep Batch: 53264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-21	S-5 (2')	Total/NA	Solid	5035	
880-28369-22	S-5 (3')	Total/NA	Solid	5035	
880-28369-24	S-6 (1.5')	Total/NA	Solid	5035	
880-28369-25	S-6 (2')	Total/NA	Solid	5035	
880-28369-26	S-6 (3')	Total/NA	Solid	5035	
880-28369-27	S-7 (0-1')	Total/NA	Solid	5035	
880-28369-29	S-8 (0-1')	Total/NA	Solid	5035	
880-28369-30	S-8 (1.5')	Total/NA	Solid	5035	
880-28369-31	S-8 (2')	Total/NA	Solid	5035	
880-28369-32	S-8 (3')	Total/NA	Solid	5035	
880-28369-33	S-9 (0-1')	Total/NA	Solid	5035	
880-28369-34	S-9 (1.5')	Total/NA	Solid	5035	
880-28369-35	S-9 (2')	Total/NA	Solid	5035	
880-28369-36	S-9 (3')	Total/NA	Solid	5035	
880-28369-37	S-9 (4')	Total/NA	Solid	5035	
880-28369-38	S-10 (0-1')	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

GC VOA (Continued)

Prep Batch: 53264 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-39	S-10 (1.5')	Total/NA	Solid	5035	
880-28369-40	S-10 (2')	Total/NA	Solid	5035	
MB 880-53264/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-53264/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-53264/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28369-21 MS	S-5 (2')	Total/NA	Solid	5035	
880-28369-21 MSD	S-5 (2')	Total/NA	Solid	5035	

Prep Batch: 53265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-41	S-10 (3')	Total/NA	Solid	5035	
880-28369-42	S-10 (4')	Total/NA	Solid	5035	
880-28369-43	S-11 (0-1')	Total/NA	Solid	5035	
880-28369-44	S-11 (1.5')	Total/NA	Solid	5035	
880-28369-45	S-12 (0-1')	Total/NA	Solid	5035	
880-28369-46	S-12 (1.5')	Total/NA	Solid	5035	
880-28369-47	S-12 (2')	Total/NA	Solid	5035	
880-28369-48	S-12 (3')	Total/NA	Solid	5035	
880-28369-49	S-12 (4')	Total/NA	Solid	5035	
880-28369-50	S-13 (0-1')	Total/NA	Solid	5035	
880-28369-51	S-13 (1.5')	Total/NA	Solid	5035	
880-28369-52	S-13 (2')	Total/NA	Solid	5035	
880-28369-53	S-13 (3')	Total/NA	Solid	5035	
880-28369-54	S-13 (4')	Total/NA	Solid	5035	
880-28369-55	S-14 (0-1')	Total/NA	Solid	5035	
880-28369-56	S-14 (1.5')	Total/NA	Solid	5035	
880-28369-57	S-14 (2')	Total/NA	Solid	5035	
880-28369-58	S-14 (3')	Total/NA	Solid	5035	
880-28369-59	S-14 (4')	Total/NA	Solid	5035	
880-28369-60	S-15 (0-1')	Total/NA	Solid	5035	
MB 880-53265/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-53265/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-53265/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28369-41 MS	S-10 (3')	Total/NA	Solid	5035	
880-28369-41 MSD	S-10 (3')	Total/NA	Solid	5035	

Prep Batch: 53272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-23	S-6 (0-1')	Total/NA	Solid	5035	
880-28369-28	S-7 (1.5')	Total/NA	Solid	5035	
880-28369-45	S-12 (0-1')	Total/NA	Solid	5035	
880-28369-46	S-12 (1.5')	Total/NA	Solid	5035	
880-28369-50	S-13 (0-1')	Total/NA	Solid	5035	
MB 880-53272/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-53272/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-53272/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28369-23 MS	S-6 (0-1')	Total/NA	Solid	5035	
880-28369-23 MSD	S-6 (0-1')	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 53334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-23	S-6 (0-1')	Total/NA	Solid	8021B	53272
880-28369-28	S-7 (1.5')	Total/NA	Solid	8021B	53272
880-28369-45	S-12 (0-1')	Total/NA	Solid	8021B	53272
880-28369-46	S-12 (1.5')	Total/NA	Solid	8021B	53272
880-28369-50	S-13 (0-1')	Total/NA	Solid	8021B	53272
MB 880-53272/5-A	Method Blank	Total/NA	Solid	8021B	53272
MB 880-53384/5-A	Method Blank	Total/NA	Solid	8021B	53384
LCS 880-53272/1-A	Lab Control Sample	Total/NA	Solid	8021B	53272
LCS 880-53384/1-A	Lab Control Sample	Total/NA	Solid	8021B	53384
LCSD 880-53272/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53272
LCSD 880-53384/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53384
880-28369-23 MS	S-6 (0-1')	Total/NA	Solid	8021B	53272
880-28369-23 MSD	S-6 (0-1')	Total/NA	Solid	8021B	53272
890-4657-A-5-B MS	Matrix Spike	Total/NA	Solid	8021B	53384
890-4657-A-5-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	53384

Analysis Batch: 53337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-61	S-15 (1.5')	Total/NA	Solid	8021B	53242
880-28369-62	S-15 (2')	Total/NA	Solid	8021B	53242
880-28369-63	S-15 (3')	Total/NA	Solid	8021B	53242
880-28369-64	S-15 (4')	Total/NA	Solid	8021B	53242
880-28369-65	S-16 (0-1')	Total/NA	Solid	8021B	53242
880-28369-66	S-16 (1.5')	Total/NA	Solid	8021B	53242
880-28369-67	S-16 (2')	Total/NA	Solid	8021B	53242
880-28369-68	S-16 (3')	Total/NA	Solid	8021B	53242
880-28369-69	S-16 (4')	Total/NA	Solid	8021B	53242
MB 880-53242/5-B	Method Blank	Total/NA	Solid	8021B	53242
LCS 880-53242/1-A	Lab Control Sample	Total/NA	Solid	8021B	53242
LCSD 880-53242/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53242
880-28369-61 MS	S-15 (1.5')	Total/NA	Solid	8021B	53242
880-28369-61 MSD	S-15 (1.5')	Total/NA	Solid	8021B	53242

Prep Batch: 53384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-53384/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-53384/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-53384/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4657-A-5-B MS	Matrix Spike	Total/NA	Solid	5035	
890-4657-A-5-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 53407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-28369-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-28369-3	S-1 (2')	Total/NA	Solid	Total BTEX	
880-28369-4	S-1 (3')	Total/NA	Solid	Total BTEX	
880-28369-5	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-28369-6	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-28369-7	S-2 (2')	Total/NA	Solid	Total BTEX	
880-28369-8	S-2 (3')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

GC VOA (Continued)

Analysis Batch: 53407 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-9	S-3 (0-1')	Total/NA	Solid	Total BTEX	
880-28369-10	S-3 (1.5')	Total/NA	Solid	Total BTEX	
880-28369-11	S-3 (2')	Total/NA	Solid	Total BTEX	
880-28369-12	S-3 (3')	Total/NA	Solid	Total BTEX	
880-28369-13	S-3 (4')	Total/NA	Solid	Total BTEX	
880-28369-14	S-4 (0-1')	Total/NA	Solid	Total BTEX	
880-28369-15	S-4 (1.5')	Total/NA	Solid	Total BTEX	
880-28369-16	S-4 (2')	Total/NA	Solid	Total BTEX	
880-28369-17	S-4 (3')	Total/NA	Solid	Total BTEX	
880-28369-18	S-4 (4')	Total/NA	Solid	Total BTEX	
880-28369-19	S-5 (0-1')	Total/NA	Solid	Total BTEX	
880-28369-20	S-5 (1.5')	Total/NA	Solid	Total BTEX	
880-28369-21	S-5 (2')	Total/NA	Solid	Total BTEX	
880-28369-22	S-5 (3')	Total/NA	Solid	Total BTEX	
880-28369-23	S-6 (0-1')	Total/NA	Solid	Total BTEX	
880-28369-24	S-6 (1.5')	Total/NA	Solid	Total BTEX	
880-28369-25	S-6 (2')	Total/NA	Solid	Total BTEX	
880-28369-26	S-6 (3')	Total/NA	Solid	Total BTEX	
880-28369-27	S-7 (0-1')	Total/NA	Solid	Total BTEX	
880-28369-28	S-7 (1.5')	Total/NA	Solid	Total BTEX	
880-28369-29	S-8 (0-1')	Total/NA	Solid	Total BTEX	
880-28369-30	S-8 (1.5')	Total/NA	Solid	Total BTEX	
880-28369-31	S-8 (2')	Total/NA	Solid	Total BTEX	
880-28369-32	S-8 (3')	Total/NA	Solid	Total BTEX	
880-28369-33	S-9 (0-1')	Total/NA	Solid	Total BTEX	
880-28369-34	S-9 (1.5')	Total/NA	Solid	Total BTEX	
880-28369-35	S-9 (2')	Total/NA	Solid	Total BTEX	
880-28369-36	S-9 (3')	Total/NA	Solid	Total BTEX	
880-28369-37	S-9 (4')	Total/NA	Solid	Total BTEX	
880-28369-38	S-10 (0-1')	Total/NA	Solid	Total BTEX	
880-28369-39	S-10 (1.5')	Total/NA	Solid	Total BTEX	
880-28369-40	S-10 (2')	Total/NA	Solid	Total BTEX	
880-28369-41	S-10 (3')	Total/NA	Solid	Total BTEX	
880-28369-42	S-10 (4')	Total/NA	Solid	Total BTEX	
880-28369-43	S-11 (0-1')	Total/NA	Solid	Total BTEX	
880-28369-44	S-11 (1.5')	Total/NA	Solid	Total BTEX	
880-28369-45	S-12 (0-1')	Total/NA	Solid	Total BTEX	
880-28369-46	S-12 (1.5')	Total/NA	Solid	Total BTEX	
880-28369-47	S-12 (2')	Total/NA	Solid	Total BTEX	
880-28369-48	S-12 (3')	Total/NA	Solid	Total BTEX	
880-28369-49	S-12 (4')	Total/NA	Solid	Total BTEX	
880-28369-50	S-13 (0-1')	Total/NA	Solid	Total BTEX	
880-28369-51	S-13 (1.5')	Total/NA	Solid	Total BTEX	
880-28369-52	S-13 (2')	Total/NA	Solid	Total BTEX	
880-28369-53	S-13 (3')	Total/NA	Solid	Total BTEX	
880-28369-54	S-13 (4')	Total/NA	Solid	Total BTEX	
880-28369-55	S-14 (0-1')	Total/NA	Solid	Total BTEX	
880-28369-56	S-14 (1.5')	Total/NA	Solid	Total BTEX	
880-28369-57	S-14 (2')	Total/NA	Solid	Total BTEX	
880-28369-58	S-14 (3')	Total/NA	Solid	Total BTEX	
880-28369-59	S-14 (4')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

GC VOA (Continued)

Analysis Batch: 53407 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-60	S-15 (0-1')	Total/NA	Solid	Total BTEX	
880-28369-61	S-15 (1.5')	Total/NA	Solid	Total BTEX	
880-28369-62	S-15 (2')	Total/NA	Solid	Total BTEX	
880-28369-63	S-15 (3')	Total/NA	Solid	Total BTEX	
880-28369-64	S-15 (4')	Total/NA	Solid	Total BTEX	
880-28369-65	S-16 (0-1')	Total/NA	Solid	Total BTEX	
880-28369-66	S-16 (1.5')	Total/NA	Solid	Total BTEX	
880-28369-67	S-16 (2')	Total/NA	Solid	Total BTEX	
880-28369-68	S-16 (3')	Total/NA	Solid	Total BTEX	
880-28369-69	S-16 (4')	Total/NA	Solid	Total BTEX	

Analysis Batch: 53488

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-38	S-10 (0-1')	Total/NA	Solid	8021B	53491
880-28369-40	S-10 (2')	Total/NA	Solid	8021B	53491
880-28369-45	S-12 (0-1')	Total/NA	Solid	8021B	53491
880-28369-46	S-12 (1.5')	Total/NA	Solid	8021B	53491
880-28369-50	S-13 (0-1')	Total/NA	Solid	8021B	53491
880-28369-66	S-16 (1.5')	Total/NA	Solid	8021B	53491
880-28369-67	S-16 (2')	Total/NA	Solid	8021B	53491
MB 880-53491/5-A	Method Blank	Total/NA	Solid	8021B	53491
LCS 880-53491/1-A	Lab Control Sample	Total/NA	Solid	8021B	53491
LCSD 880-53491/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53491
890-4652-A-27-D MS	Matrix Spike	Total/NA	Solid	8021B	53491
890-4652-A-27-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	53491

Prep Batch: 53491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-38	S-10 (0-1')	Total/NA	Solid	5035	
880-28369-40	S-10 (2')	Total/NA	Solid	5035	
880-28369-45	S-12 (0-1')	Total/NA	Solid	5035	
880-28369-46	S-12 (1.5')	Total/NA	Solid	5035	
880-28369-50	S-13 (0-1')	Total/NA	Solid	5035	
880-28369-66	S-16 (1.5')	Total/NA	Solid	5035	
880-28369-67	S-16 (2')	Total/NA	Solid	5035	
MB 880-53491/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-53491/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-53491/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4652-A-27-D MS	Matrix Spike	Total/NA	Solid	5035	
890-4652-A-27-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 53191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-1	S-1 (0-1')	Total/NA	Solid	8015B NM	53289
880-28369-2	S-1 (1.5')	Total/NA	Solid	8015B NM	53289
880-28369-3	S-1 (2')	Total/NA	Solid	8015B NM	53289
880-28369-4	S-1 (3')	Total/NA	Solid	8015B NM	53289
880-28369-5	S-2 (0-1')	Total/NA	Solid	8015B NM	53289
880-28369-6	S-2 (1.5')	Total/NA	Solid	8015B NM	53289

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 53191 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-7	S-2 (2')	Total/NA	Solid	8015B NM	53289
880-28369-8	S-2 (3')	Total/NA	Solid	8015B NM	53289
880-28369-9	S-3 (0-1')	Total/NA	Solid	8015B NM	53289
880-28369-10	S-3 (1.5')	Total/NA	Solid	8015B NM	53289
880-28369-11	S-3 (2')	Total/NA	Solid	8015B NM	53289
880-28369-12	S-3 (3')	Total/NA	Solid	8015B NM	53289
880-28369-13	S-3 (4')	Total/NA	Solid	8015B NM	53289
880-28369-14	S-4 (0-1')	Total/NA	Solid	8015B NM	53289
880-28369-15	S-4 (1.5')	Total/NA	Solid	8015B NM	53289
880-28369-16	S-4 (2')	Total/NA	Solid	8015B NM	53289
880-28369-17	S-4 (3')	Total/NA	Solid	8015B NM	53289
880-28369-18	S-4 (4')	Total/NA	Solid	8015B NM	53289
880-28369-19	S-5 (0-1')	Total/NA	Solid	8015B NM	53289
880-28369-20	S-5 (1.5')	Total/NA	Solid	8015B NM	53289
MB 880-53289/1-A	Method Blank	Total/NA	Solid	8015B NM	53289
LCS 880-53289/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	53289
LCSD 880-53289/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	53289
880-28369-1 MS	S-1 (0-1')	Total/NA	Solid	8015B NM	53289
880-28369-1 MSD	S-1 (0-1')	Total/NA	Solid	8015B NM	53289

Analysis Batch: 53193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-21	S-5 (2')	Total/NA	Solid	8015B NM	53288
880-28369-22	S-5 (3')	Total/NA	Solid	8015B NM	53288
880-28369-23	S-6 (0-1')	Total/NA	Solid	8015B NM	53288
880-28369-24	S-6 (1.5')	Total/NA	Solid	8015B NM	53288
880-28369-25	S-6 (2')	Total/NA	Solid	8015B NM	53288
880-28369-26	S-6 (3')	Total/NA	Solid	8015B NM	53288
880-28369-27	S-7 (0-1')	Total/NA	Solid	8015B NM	53288
880-28369-28	S-7 (1.5')	Total/NA	Solid	8015B NM	53288
880-28369-29	S-8 (0-1')	Total/NA	Solid	8015B NM	53288
880-28369-30	S-8 (1.5')	Total/NA	Solid	8015B NM	53288
880-28369-31	S-8 (2')	Total/NA	Solid	8015B NM	53288
880-28369-32	S-8 (3')	Total/NA	Solid	8015B NM	53288
880-28369-33	S-9 (0-1')	Total/NA	Solid	8015B NM	53288
880-28369-34	S-9 (1.5')	Total/NA	Solid	8015B NM	53288
880-28369-35	S-9 (2')	Total/NA	Solid	8015B NM	53288
880-28369-36	S-9 (3')	Total/NA	Solid	8015B NM	53288
880-28369-37	S-9 (4')	Total/NA	Solid	8015B NM	53288
880-28369-38	S-10 (0-1')	Total/NA	Solid	8015B NM	53288
880-28369-39	S-10 (1.5')	Total/NA	Solid	8015B NM	53288
880-28369-40	S-10 (2')	Total/NA	Solid	8015B NM	53288
MB 880-53288/1-A	Method Blank	Total/NA	Solid	8015B NM	53288
LCS 880-53288/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	53288
LCSD 880-53288/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	53288
880-28369-21 MS	S-5 (2')	Total/NA	Solid	8015B NM	53288
880-28369-21 MSD	S-5 (2')	Total/NA	Solid	8015B NM	53288

Prep Batch: 53288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-21	S-5 (2')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 53288 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-22	S-5 (3')	Total/NA	Solid	8015NM Prep	
880-28369-23	S-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-28369-24	S-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-28369-25	S-6 (2')	Total/NA	Solid	8015NM Prep	
880-28369-26	S-6 (3')	Total/NA	Solid	8015NM Prep	
880-28369-27	S-7 (0-1')	Total/NA	Solid	8015NM Prep	
880-28369-28	S-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-28369-29	S-8 (0-1')	Total/NA	Solid	8015NM Prep	
880-28369-30	S-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-28369-31	S-8 (2')	Total/NA	Solid	8015NM Prep	
880-28369-32	S-8 (3')	Total/NA	Solid	8015NM Prep	
880-28369-33	S-9 (0-1')	Total/NA	Solid	8015NM Prep	
880-28369-34	S-9 (1.5')	Total/NA	Solid	8015NM Prep	
880-28369-35	S-9 (2')	Total/NA	Solid	8015NM Prep	
880-28369-36	S-9 (3')	Total/NA	Solid	8015NM Prep	
880-28369-37	S-9 (4')	Total/NA	Solid	8015NM Prep	
880-28369-38	S-10 (0-1')	Total/NA	Solid	8015NM Prep	
880-28369-39	S-10 (1.5')	Total/NA	Solid	8015NM Prep	
880-28369-40	S-10 (2')	Total/NA	Solid	8015NM Prep	
MB 880-53288/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-53288/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-53288/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28369-21 MS	S-5 (2')	Total/NA	Solid	8015NM Prep	
880-28369-21 MSD	S-5 (2')	Total/NA	Solid	8015NM Prep	

Prep Batch: 53289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-28369-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-28369-3	S-1 (2')	Total/NA	Solid	8015NM Prep	
880-28369-4	S-1 (3')	Total/NA	Solid	8015NM Prep	
880-28369-5	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-28369-6	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-28369-7	S-2 (2')	Total/NA	Solid	8015NM Prep	
880-28369-8	S-2 (3')	Total/NA	Solid	8015NM Prep	
880-28369-9	S-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-28369-10	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-28369-11	S-3 (2')	Total/NA	Solid	8015NM Prep	
880-28369-12	S-3 (3')	Total/NA	Solid	8015NM Prep	
880-28369-13	S-3 (4')	Total/NA	Solid	8015NM Prep	
880-28369-14	S-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-28369-15	S-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-28369-16	S-4 (2')	Total/NA	Solid	8015NM Prep	
880-28369-17	S-4 (3')	Total/NA	Solid	8015NM Prep	
880-28369-18	S-4 (4')	Total/NA	Solid	8015NM Prep	
880-28369-19	S-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-28369-20	S-5 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-53289/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-53289/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-53289/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28369-1 MS	S-1 (0-1')	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 53289 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-1 MSD	S-1 (0-1')	Total/NA	Solid	8015NM Prep	

Prep Batch: 53304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-41	S-10 (3')	Total/NA	Solid	8015NM Prep	
880-28369-42	S-10 (4')	Total/NA	Solid	8015NM Prep	
880-28369-43	S-11 (0-1')	Total/NA	Solid	8015NM Prep	
880-28369-44	S-11 (1.5')	Total/NA	Solid	8015NM Prep	
880-28369-45	S-12 (0-1')	Total/NA	Solid	8015NM Prep	
880-28369-46	S-12 (1.5')	Total/NA	Solid	8015NM Prep	
880-28369-47	S-12 (2')	Total/NA	Solid	8015NM Prep	
880-28369-48	S-12 (3')	Total/NA	Solid	8015NM Prep	
880-28369-49	S-12 (4')	Total/NA	Solid	8015NM Prep	
880-28369-50	S-13 (0-1')	Total/NA	Solid	8015NM Prep	
880-28369-51	S-13 (1.5')	Total/NA	Solid	8015NM Prep	
880-28369-52	S-13 (2')	Total/NA	Solid	8015NM Prep	
880-28369-53	S-13 (3')	Total/NA	Solid	8015NM Prep	
880-28369-54	S-13 (4')	Total/NA	Solid	8015NM Prep	
880-28369-55	S-14 (0-1')	Total/NA	Solid	8015NM Prep	
880-28369-56	S-14 (1.5')	Total/NA	Solid	8015NM Prep	
880-28369-57	S-14 (2')	Total/NA	Solid	8015NM Prep	
880-28369-58	S-14 (3')	Total/NA	Solid	8015NM Prep	
880-28369-59	S-14 (4')	Total/NA	Solid	8015NM Prep	
880-28369-60	S-15 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-53304/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-53304/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-53304/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28369-41 MS	S-10 (3')	Total/NA	Solid	8015NM Prep	
880-28369-41 MSD	S-10 (3')	Total/NA	Solid	8015NM Prep	

Prep Batch: 53306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-64	S-15 (4')	Total/NA	Solid	8015NM Prep	
MB 880-53306/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-53306/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-53306/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28372-A-21-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-28372-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 53307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-61	S-15 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-53307/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-53307/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-53307/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28368-A-1-H MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-28368-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 53315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-61	S-15 (1.5')	Total/NA	Solid	8015B NM	53307

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QC Association Summary

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 53315 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-53307/1-A	Method Blank	Total/NA	Solid	8015B NM	53307
LCS 880-53307/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	53307
LCSD 880-53307/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	53307
880-28368-A-1-H MS	Matrix Spike	Total/NA	Solid	8015B NM	53307
880-28368-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	53307

Analysis Batch: 53318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-41	S-10 (3')	Total/NA	Solid	8015B NM	53304
880-28369-42	S-10 (4')	Total/NA	Solid	8015B NM	53304
880-28369-43	S-11 (0-1')	Total/NA	Solid	8015B NM	53304
880-28369-44	S-11 (1.5')	Total/NA	Solid	8015B NM	53304
880-28369-45	S-12 (0-1')	Total/NA	Solid	8015B NM	53304
880-28369-46	S-12 (1.5')	Total/NA	Solid	8015B NM	53304
880-28369-47	S-12 (2')	Total/NA	Solid	8015B NM	53304
880-28369-48	S-12 (3')	Total/NA	Solid	8015B NM	53304
880-28369-49	S-12 (4')	Total/NA	Solid	8015B NM	53304
880-28369-50	S-13 (0-1')	Total/NA	Solid	8015B NM	53304
880-28369-51	S-13 (1.5')	Total/NA	Solid	8015B NM	53304
880-28369-52	S-13 (2')	Total/NA	Solid	8015B NM	53304
880-28369-53	S-13 (3')	Total/NA	Solid	8015B NM	53304
880-28369-54	S-13 (4')	Total/NA	Solid	8015B NM	53304
880-28369-55	S-14 (0-1')	Total/NA	Solid	8015B NM	53304
880-28369-56	S-14 (1.5')	Total/NA	Solid	8015B NM	53304
880-28369-57	S-14 (2')	Total/NA	Solid	8015B NM	53304
880-28369-58	S-14 (3')	Total/NA	Solid	8015B NM	53304
880-28369-59	S-14 (4')	Total/NA	Solid	8015B NM	53304
880-28369-60	S-15 (0-1')	Total/NA	Solid	8015B NM	53304
880-28369-64	S-15 (4')	Total/NA	Solid	8015B NM	53306
MB 880-53304/1-A	Method Blank	Total/NA	Solid	8015B NM	53304
MB 880-53306/1-A	Method Blank	Total/NA	Solid	8015B NM	53306
LCS 880-53304/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	53304
LCS 880-53306/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	53306
LCSD 880-53304/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	53304
LCSD 880-53306/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	53306
880-28369-41 MS	S-10 (3')	Total/NA	Solid	8015B NM	53304
880-28369-41 MSD	S-10 (3')	Total/NA	Solid	8015B NM	53304
880-28372-A-21-E MS	Matrix Spike	Total/NA	Solid	8015B NM	53306
880-28372-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	53306

Analysis Batch: 53324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-62	S-15 (2')	Total/NA	Solid	8015B NM	53379
880-28369-63	S-15 (3')	Total/NA	Solid	8015B NM	53379
880-28369-65	S-16 (0-1')	Total/NA	Solid	8015B NM	53379
880-28369-66	S-16 (1.5')	Total/NA	Solid	8015B NM	53379
880-28369-67	S-16 (2')	Total/NA	Solid	8015B NM	53379
880-28369-68	S-16 (3')	Total/NA	Solid	8015B NM	53379
880-28369-69	S-16 (4')	Total/NA	Solid	8015B NM	53379
MB 880-53379/1-A	Method Blank	Total/NA	Solid	8015B NM	53379
LCS 880-53379/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	53379

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QC Association Summary

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 53324 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-53379/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	53379
890-4651-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	53379
890-4651-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	53379

Analysis Batch: 53375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-28369-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-28369-3	S-1 (2')	Total/NA	Solid	8015 NM	
880-28369-4	S-1 (3')	Total/NA	Solid	8015 NM	
880-28369-5	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-28369-6	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-28369-7	S-2 (2')	Total/NA	Solid	8015 NM	
880-28369-8	S-2 (3')	Total/NA	Solid	8015 NM	
880-28369-9	S-3 (0-1')	Total/NA	Solid	8015 NM	
880-28369-10	S-3 (1.5')	Total/NA	Solid	8015 NM	
880-28369-11	S-3 (2')	Total/NA	Solid	8015 NM	
880-28369-12	S-3 (3')	Total/NA	Solid	8015 NM	
880-28369-13	S-3 (4')	Total/NA	Solid	8015 NM	
880-28369-14	S-4 (0-1')	Total/NA	Solid	8015 NM	
880-28369-15	S-4 (1.5')	Total/NA	Solid	8015 NM	
880-28369-16	S-4 (2')	Total/NA	Solid	8015 NM	
880-28369-17	S-4 (3')	Total/NA	Solid	8015 NM	
880-28369-18	S-4 (4')	Total/NA	Solid	8015 NM	
880-28369-19	S-5 (0-1')	Total/NA	Solid	8015 NM	
880-28369-20	S-5 (1.5')	Total/NA	Solid	8015 NM	
880-28369-21	S-5 (2')	Total/NA	Solid	8015 NM	
880-28369-22	S-5 (3')	Total/NA	Solid	8015 NM	
880-28369-23	S-6 (0-1')	Total/NA	Solid	8015 NM	
880-28369-24	S-6 (1.5')	Total/NA	Solid	8015 NM	
880-28369-25	S-6 (2')	Total/NA	Solid	8015 NM	
880-28369-26	S-6 (3')	Total/NA	Solid	8015 NM	
880-28369-27	S-7 (0-1')	Total/NA	Solid	8015 NM	
880-28369-28	S-7 (1.5')	Total/NA	Solid	8015 NM	
880-28369-29	S-8 (0-1')	Total/NA	Solid	8015 NM	
880-28369-30	S-8 (1.5')	Total/NA	Solid	8015 NM	
880-28369-31	S-8 (2')	Total/NA	Solid	8015 NM	
880-28369-32	S-8 (3')	Total/NA	Solid	8015 NM	
880-28369-33	S-9 (0-1')	Total/NA	Solid	8015 NM	
880-28369-34	S-9 (1.5')	Total/NA	Solid	8015 NM	
880-28369-35	S-9 (2')	Total/NA	Solid	8015 NM	
880-28369-36	S-9 (3')	Total/NA	Solid	8015 NM	
880-28369-37	S-9 (4')	Total/NA	Solid	8015 NM	
880-28369-38	S-10 (0-1')	Total/NA	Solid	8015 NM	
880-28369-39	S-10 (1.5')	Total/NA	Solid	8015 NM	
880-28369-40	S-10 (2')	Total/NA	Solid	8015 NM	
880-28369-41	S-10 (3')	Total/NA	Solid	8015 NM	
880-28369-42	S-10 (4')	Total/NA	Solid	8015 NM	
880-28369-43	S-11 (0-1')	Total/NA	Solid	8015 NM	
880-28369-44	S-11 (1.5')	Total/NA	Solid	8015 NM	
880-28369-45	S-12 (0-1')	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 53375 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-46	S-12 (1.5')	Total/NA	Solid	8015 NM	
880-28369-47	S-12 (2')	Total/NA	Solid	8015 NM	
880-28369-48	S-12 (3')	Total/NA	Solid	8015 NM	
880-28369-49	S-12 (4')	Total/NA	Solid	8015 NM	
880-28369-50	S-13 (0-1')	Total/NA	Solid	8015 NM	
880-28369-51	S-13 (1.5')	Total/NA	Solid	8015 NM	
880-28369-52	S-13 (2')	Total/NA	Solid	8015 NM	
880-28369-53	S-13 (3')	Total/NA	Solid	8015 NM	
880-28369-54	S-13 (4')	Total/NA	Solid	8015 NM	
880-28369-55	S-14 (0-1')	Total/NA	Solid	8015 NM	
880-28369-56	S-14 (1.5')	Total/NA	Solid	8015 NM	
880-28369-57	S-14 (2')	Total/NA	Solid	8015 NM	
880-28369-58	S-14 (3')	Total/NA	Solid	8015 NM	
880-28369-59	S-14 (4')	Total/NA	Solid	8015 NM	
880-28369-60	S-15 (0-1')	Total/NA	Solid	8015 NM	
880-28369-61	S-15 (1.5')	Total/NA	Solid	8015 NM	
880-28369-62	S-15 (2')	Total/NA	Solid	8015 NM	
880-28369-63	S-15 (3')	Total/NA	Solid	8015 NM	
880-28369-64	S-15 (4')	Total/NA	Solid	8015 NM	
880-28369-65	S-16 (0-1')	Total/NA	Solid	8015 NM	
880-28369-66	S-16 (1.5')	Total/NA	Solid	8015 NM	
880-28369-67	S-16 (2')	Total/NA	Solid	8015 NM	
880-28369-68	S-16 (3')	Total/NA	Solid	8015 NM	
880-28369-69	S-16 (4')	Total/NA	Solid	8015 NM	

Prep Batch: 53379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-62	S-15 (2')	Total/NA	Solid	8015NM Prep	
880-28369-63	S-15 (3')	Total/NA	Solid	8015NM Prep	
880-28369-65	S-16 (0-1')	Total/NA	Solid	8015NM Prep	
880-28369-66	S-16 (1.5')	Total/NA	Solid	8015NM Prep	
880-28369-67	S-16 (2')	Total/NA	Solid	8015NM Prep	
880-28369-68	S-16 (3')	Total/NA	Solid	8015NM Prep	
880-28369-69	S-16 (4')	Total/NA	Solid	8015NM Prep	
MB 880-53379/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-53379/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-53379/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4651-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4651-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 53278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-66	S-16 (1.5')	Soluble	Solid	DI Leach	
880-28369-67	S-16 (2')	Soluble	Solid	DI Leach	
880-28369-68	S-16 (3')	Soluble	Solid	DI Leach	
880-28369-69	S-16 (4')	Soluble	Solid	DI Leach	
MB 880-53278/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-53278/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-53278/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 53278 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-67 MS	S-16 (2')	Soluble	Solid	DI Leach	
880-28369-67 MSD	S-16 (2')	Soluble	Solid	DI Leach	

Leach Batch: 53279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-46	S-12 (1.5')	Soluble	Solid	DI Leach	
880-28369-47	S-12 (2')	Soluble	Solid	DI Leach	
880-28369-48	S-12 (3')	Soluble	Solid	DI Leach	
880-28369-49	S-12 (4')	Soluble	Solid	DI Leach	
880-28369-50	S-13 (0-1')	Soluble	Solid	DI Leach	
880-28369-51	S-13 (1.5')	Soluble	Solid	DI Leach	
880-28369-52	S-13 (2')	Soluble	Solid	DI Leach	
880-28369-53	S-13 (3')	Soluble	Solid	DI Leach	
880-28369-54	S-13 (4')	Soluble	Solid	DI Leach	
880-28369-55	S-14 (0-1')	Soluble	Solid	DI Leach	
880-28369-56	S-14 (1.5')	Soluble	Solid	DI Leach	
880-28369-57	S-14 (2')	Soluble	Solid	DI Leach	
880-28369-58	S-14 (3')	Soluble	Solid	DI Leach	
880-28369-59	S-14 (4')	Soluble	Solid	DI Leach	
880-28369-60	S-15 (0-1')	Soluble	Solid	DI Leach	
880-28369-61	S-15 (1.5')	Soluble	Solid	DI Leach	
880-28369-62	S-15 (2')	Soluble	Solid	DI Leach	
880-28369-63	S-15 (3')	Soluble	Solid	DI Leach	
880-28369-64	S-15 (4')	Soluble	Solid	DI Leach	
880-28369-65	S-16 (0-1')	Soluble	Solid	DI Leach	
MB 880-53279/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-53279/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-53279/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28369-46 MS	S-12 (1.5')	Soluble	Solid	DI Leach	
880-28369-46 MSD	S-12 (1.5')	Soluble	Solid	DI Leach	
880-28369-56 MS	S-14 (1.5')	Soluble	Solid	DI Leach	
880-28369-56 MSD	S-14 (1.5')	Soluble	Solid	DI Leach	

Leach Batch: 53280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-26	S-6 (3')	Soluble	Solid	DI Leach	
880-28369-27	S-7 (0-1')	Soluble	Solid	DI Leach	
880-28369-28	S-7 (1.5')	Soluble	Solid	DI Leach	
880-28369-29	S-8 (0-1')	Soluble	Solid	DI Leach	
880-28369-30	S-8 (1.5')	Soluble	Solid	DI Leach	
880-28369-31	S-8 (2')	Soluble	Solid	DI Leach	
880-28369-32	S-8 (3')	Soluble	Solid	DI Leach	
880-28369-33	S-9 (0-1')	Soluble	Solid	DI Leach	
880-28369-34	S-9 (1.5')	Soluble	Solid	DI Leach	
880-28369-35	S-9 (2')	Soluble	Solid	DI Leach	
880-28369-36	S-9 (3')	Soluble	Solid	DI Leach	
880-28369-37	S-9 (4')	Soluble	Solid	DI Leach	
880-28369-38	S-10 (0-1')	Soluble	Solid	DI Leach	
880-28369-39	S-10 (1.5')	Soluble	Solid	DI Leach	
880-28369-40	S-10 (2')	Soluble	Solid	DI Leach	
880-28369-41	S-10 (3')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 53280 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-42	S-10 (4')	Soluble	Solid	DI Leach	
880-28369-43	S-11 (0-1')	Soluble	Solid	DI Leach	
880-28369-44	S-11 (1.5')	Soluble	Solid	DI Leach	
880-28369-45	S-12 (0-1')	Soluble	Solid	DI Leach	
MB 880-53280/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-53280/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-53280/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28369-26 MS	S-6 (3')	Soluble	Solid	DI Leach	
880-28369-26 MSD	S-6 (3')	Soluble	Solid	DI Leach	
880-28369-36 MS	S-9 (3')	Soluble	Solid	DI Leach	
880-28369-36 MSD	S-9 (3')	Soluble	Solid	DI Leach	

Leach Batch: 53281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-6	S-2 (1.5')	Soluble	Solid	DI Leach	
880-28369-7	S-2 (2')	Soluble	Solid	DI Leach	
880-28369-8	S-2 (3')	Soluble	Solid	DI Leach	
880-28369-9	S-3 (0-1')	Soluble	Solid	DI Leach	
880-28369-10	S-3 (1.5')	Soluble	Solid	DI Leach	
880-28369-11	S-3 (2')	Soluble	Solid	DI Leach	
880-28369-12	S-3 (3')	Soluble	Solid	DI Leach	
880-28369-13	S-3 (4')	Soluble	Solid	DI Leach	
880-28369-14	S-4 (0-1')	Soluble	Solid	DI Leach	
880-28369-15	S-4 (1.5')	Soluble	Solid	DI Leach	
880-28369-16	S-4 (2')	Soluble	Solid	DI Leach	
880-28369-17	S-4 (3')	Soluble	Solid	DI Leach	
880-28369-18	S-4 (4')	Soluble	Solid	DI Leach	
880-28369-19	S-5 (0-1')	Soluble	Solid	DI Leach	
880-28369-20	S-5 (1.5')	Soluble	Solid	DI Leach	
880-28369-21	S-5 (2')	Soluble	Solid	DI Leach	
880-28369-22	S-5 (3')	Soluble	Solid	DI Leach	
880-28369-23	S-6 (0-1')	Soluble	Solid	DI Leach	
880-28369-24	S-6 (1.5')	Soluble	Solid	DI Leach	
880-28369-25	S-6 (2')	Soluble	Solid	DI Leach	
MB 880-53281/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-53281/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-53281/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28369-6 MS	S-2 (1.5')	Soluble	Solid	DI Leach	
880-28369-6 MSD	S-2 (1.5')	Soluble	Solid	DI Leach	
880-28369-16 MS	S-4 (2')	Soluble	Solid	DI Leach	
880-28369-16 MSD	S-4 (2')	Soluble	Solid	DI Leach	

Leach Batch: 53282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-28369-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-28369-3	S-1 (2')	Soluble	Solid	DI Leach	
880-28369-4	S-1 (3')	Soluble	Solid	DI Leach	
880-28369-5	S-2 (0-1')	Soluble	Solid	DI Leach	
MB 880-53282/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-53282/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 53282 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-53282/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28368-A-1-E MS	Matrix Spike	Soluble	Solid	DI Leach	
880-28368-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 53353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-6	S-2 (1.5')	Soluble	Solid	300.0	53281
880-28369-7	S-2 (2')	Soluble	Solid	300.0	53281
880-28369-8	S-2 (3')	Soluble	Solid	300.0	53281
880-28369-9	S-3 (0-1')	Soluble	Solid	300.0	53281
880-28369-10	S-3 (1.5')	Soluble	Solid	300.0	53281
880-28369-11	S-3 (2')	Soluble	Solid	300.0	53281
880-28369-12	S-3 (3')	Soluble	Solid	300.0	53281
880-28369-13	S-3 (4')	Soluble	Solid	300.0	53281
880-28369-14	S-4 (0-1')	Soluble	Solid	300.0	53281
880-28369-15	S-4 (1.5')	Soluble	Solid	300.0	53281
880-28369-16	S-4 (2')	Soluble	Solid	300.0	53281
880-28369-17	S-4 (3')	Soluble	Solid	300.0	53281
880-28369-18	S-4 (4')	Soluble	Solid	300.0	53281
880-28369-19	S-5 (0-1')	Soluble	Solid	300.0	53281
880-28369-20	S-5 (1.5')	Soluble	Solid	300.0	53281
880-28369-21	S-5 (2')	Soluble	Solid	300.0	53281
880-28369-22	S-5 (3')	Soluble	Solid	300.0	53281
880-28369-23	S-6 (0-1')	Soluble	Solid	300.0	53281
880-28369-24	S-6 (1.5')	Soluble	Solid	300.0	53281
880-28369-25	S-6 (2')	Soluble	Solid	300.0	53281
MB 880-53281/1-A	Method Blank	Soluble	Solid	300.0	53281
LCS 880-53281/2-A	Lab Control Sample	Soluble	Solid	300.0	53281
LCSD 880-53281/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	53281
880-28369-6 MS	S-2 (1.5')	Soluble	Solid	300.0	53281
880-28369-6 MSD	S-2 (1.5')	Soluble	Solid	300.0	53281
880-28369-16 MS	S-4 (2')	Soluble	Solid	300.0	53281
880-28369-16 MSD	S-4 (2')	Soluble	Solid	300.0	53281

Analysis Batch: 53354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-26	S-6 (3')	Soluble	Solid	300.0	53280
880-28369-27	S-7 (0-1')	Soluble	Solid	300.0	53280
880-28369-28	S-7 (1.5')	Soluble	Solid	300.0	53280
880-28369-29	S-8 (0-1')	Soluble	Solid	300.0	53280
880-28369-30	S-8 (1.5')	Soluble	Solid	300.0	53280
880-28369-31	S-8 (2')	Soluble	Solid	300.0	53280
880-28369-32	S-8 (3')	Soluble	Solid	300.0	53280
880-28369-33	S-9 (0-1')	Soluble	Solid	300.0	53280
880-28369-34	S-9 (1.5')	Soluble	Solid	300.0	53280
880-28369-35	S-9 (2')	Soluble	Solid	300.0	53280
880-28369-36	S-9 (3')	Soluble	Solid	300.0	53280
880-28369-37	S-9 (4')	Soluble	Solid	300.0	53280
880-28369-38	S-10 (0-1')	Soluble	Solid	300.0	53280
880-28369-39	S-10 (1.5')	Soluble	Solid	300.0	53280
880-28369-40	S-10 (2')	Soluble	Solid	300.0	53280

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

HPLC/IC (Continued)

Analysis Batch: 53354 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-41	S-10 (3')	Soluble	Solid	300.0	53280
880-28369-42	S-10 (4')	Soluble	Solid	300.0	53280
880-28369-43	S-11 (0-1')	Soluble	Solid	300.0	53280
880-28369-44	S-11 (1.5')	Soluble	Solid	300.0	53280
880-28369-45	S-12 (0-1')	Soluble	Solid	300.0	53280
MB 880-53280/1-A	Method Blank	Soluble	Solid	300.0	53280
LCS 880-53280/2-A	Lab Control Sample	Soluble	Solid	300.0	53280
LCSD 880-53280/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	53280
880-28369-26 MS	S-6 (3')	Soluble	Solid	300.0	53280
880-28369-26 MSD	S-6 (3')	Soluble	Solid	300.0	53280
880-28369-36 MS	S-9 (3')	Soluble	Solid	300.0	53280
880-28369-36 MSD	S-9 (3')	Soluble	Solid	300.0	53280

Analysis Batch: 53394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-1	S-1 (0-1')	Soluble	Solid	300.0	53282
880-28369-2	S-1 (1.5')	Soluble	Solid	300.0	53282
880-28369-3	S-1 (2')	Soluble	Solid	300.0	53282
880-28369-4	S-1 (3')	Soluble	Solid	300.0	53282
880-28369-5	S-2 (0-1')	Soluble	Solid	300.0	53282
MB 880-53282/1-A	Method Blank	Soluble	Solid	300.0	53282
LCS 880-53282/2-A	Lab Control Sample	Soluble	Solid	300.0	53282
LCSD 880-53282/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	53282
880-28368-A-1-E MS	Matrix Spike	Soluble	Solid	300.0	53282
880-28368-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	53282

Analysis Batch: 53395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-46	S-12 (1.5')	Soluble	Solid	300.0	53279
880-28369-47	S-12 (2')	Soluble	Solid	300.0	53279
880-28369-48	S-12 (3')	Soluble	Solid	300.0	53279
880-28369-49	S-12 (4')	Soluble	Solid	300.0	53279
880-28369-50	S-13 (0-1')	Soluble	Solid	300.0	53279
880-28369-51	S-13 (1.5')	Soluble	Solid	300.0	53279
880-28369-52	S-13 (2')	Soluble	Solid	300.0	53279
880-28369-53	S-13 (3')	Soluble	Solid	300.0	53279
880-28369-54	S-13 (4')	Soluble	Solid	300.0	53279
880-28369-55	S-14 (0-1')	Soluble	Solid	300.0	53279
880-28369-56	S-14 (1.5')	Soluble	Solid	300.0	53279
880-28369-57	S-14 (2')	Soluble	Solid	300.0	53279
880-28369-58	S-14 (3')	Soluble	Solid	300.0	53279
880-28369-59	S-14 (4')	Soluble	Solid	300.0	53279
880-28369-60	S-15 (0-1')	Soluble	Solid	300.0	53279
880-28369-61	S-15 (1.5')	Soluble	Solid	300.0	53279
880-28369-62	S-15 (2')	Soluble	Solid	300.0	53279
880-28369-63	S-15 (3')	Soluble	Solid	300.0	53279
880-28369-64	S-15 (4')	Soluble	Solid	300.0	53279
880-28369-65	S-16 (0-1')	Soluble	Solid	300.0	53279
MB 880-53279/1-A	Method Blank	Soluble	Solid	300.0	53279
LCS 880-53279/2-A	Lab Control Sample	Soluble	Solid	300.0	53279
LCSD 880-53279/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	53279

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QC Association Summary

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

HPLC/IC (Continued)

Analysis Batch: 53395 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-46 MS	S-12 (1.5')	Soluble	Solid	300.0	53279
880-28369-46 MSD	S-12 (1.5')	Soluble	Solid	300.0	53279
880-28369-56 MS	S-14 (1.5')	Soluble	Solid	300.0	53279
880-28369-56 MSD	S-14 (1.5')	Soluble	Solid	300.0	53279

Analysis Batch: 53401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28369-66	S-16 (1.5')	Soluble	Solid	300.0	53278
880-28369-67	S-16 (2')	Soluble	Solid	300.0	53278
880-28369-68	S-16 (3')	Soluble	Solid	300.0	53278
880-28369-69	S-16 (4')	Soluble	Solid	300.0	53278
MB 880-53278/1-A	Method Blank	Soluble	Solid	300.0	53278
LCS 880-53278/2-A	Lab Control Sample	Soluble	Solid	300.0	53278
LCSD 880-53278/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	53278
880-28369-67 MS	S-16 (2')	Soluble	Solid	300.0	53278
880-28369-67 MSD	S-16 (2')	Soluble	Solid	300.0	53278

Lab Chronicle

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28369-1

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/12/23 17:28	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/12/23 21:23	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		1			53394	05/15/23 23:31	SMC	EET MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-28369-2

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/12/23 17:48	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/12/23 22:28	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		1			53394	05/15/23 23:36	SMC	EET MID

Client Sample ID: S-1 (2')

Lab Sample ID: 880-28369-3

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/12/23 18:09	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/12/23 22:49	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		1			53394	05/15/23 23:41	SMC	EET MID

Client Sample ID: S-1 (3')

Lab Sample ID: 880-28369-4

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/12/23 18:29	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-1 (3')**Lab Sample ID: 880-28369-4****Date Collected: 05/11/23 00:00****Matrix: Solid****Date Received: 05/12/23 12:40**

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			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/12/23 23:11	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		1			53394	05/15/23 23:47	SMC	EET MID

Client Sample ID: S-2 (0-1')**Lab Sample ID: 880-28369-5****Date Collected: 05/11/23 00:00****Matrix: Solid****Date Received: 05/12/23 12:40**

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	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/12/23 18:49	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/12/23 23:33	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	53282	05/12/23 15:27	KS	EET MID
Soluble	Analysis	300.0		1			53394	05/15/23 23:52	SMC	EET MID

Client Sample ID: S-2 (1.5')**Lab Sample ID: 880-28369-6****Date Collected: 05/11/23 00:00****Matrix: Solid****Date Received: 05/12/23 12:40**

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	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/12/23 19:10	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/12/23 23:54	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 08:48	CH	EET MID

Client Sample ID: S-2 (2')**Lab Sample ID: 880-28369-7****Date Collected: 05/11/23 00:00****Matrix: Solid****Date Received: 05/12/23 12:40**

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	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/12/23 19:30	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/13/23 00:15	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-2 (2')

Lab Sample ID: 880-28369-7

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 09:05	CH	EET MID

Client Sample ID: S-2 (3')

Lab Sample ID: 880-28369-8

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/12/23 19:51	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/13/23 00:37	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 09:10	CH	EET MID

Client Sample ID: S-3 (0-1')

Lab Sample ID: 880-28369-9

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/12/23 20:11	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/13/23 00:58	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 09:15	CH	EET MID

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-28369-10

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/12/23 20:31	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/13/23 01:19	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 09:21	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-3 (2')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-11

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			5.02 g	5 mL	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/12/23 22:22	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/13/23 02:02	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 10:04	CH	EET MID

Client Sample ID: S-3 (3')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-12

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			4.97 g	5 mL	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/12/23 22:42	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/13/23 02:24	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 10:09	CH	EET MID

Client Sample ID: S-3 (4')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-13

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			4.95 g	5 mL	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/12/23 23:03	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/13/23 02:45	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 10:14	CH	EET MID

Client Sample ID: S-4 (0-1')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-14

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			5.02 g	5 mL	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/12/23 23:23	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-4 (0-1')**Lab Sample ID: 880-28369-14****Date Collected: 05/11/23 00:00****Matrix: Solid****Date Received: 05/12/23 12:40**

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			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/13/23 03:07	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 10:20	CH	EET MID

Client Sample ID: S-4 (1.5')**Lab Sample ID: 880-28369-15****Date Collected: 05/11/23 00:00****Matrix: Solid****Date Received: 05/12/23 12:40**

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	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/12/23 23:43	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/13/23 03:28	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 10:25	CH	EET MID

Client Sample ID: S-4 (2')**Lab Sample ID: 880-28369-16****Date Collected: 05/11/23 00:00****Matrix: Solid****Date Received: 05/12/23 12:40**

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	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 00:04	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/13/23 03:50	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 10:30	CH	EET MID

Client Sample ID: S-4 (3')**Lab Sample ID: 880-28369-17****Date Collected: 05/11/23 00:00****Matrix: Solid****Date Received: 05/12/23 12:40**

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	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 00:24	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/13/23 04:12	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-4 (3')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 10:46	CH	EET MID

Client Sample ID: S-4 (4')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 00:44	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/13/23 04:33	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 10:52	CH	EET MID

Client Sample ID: S-5 (0-1')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 01:05	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/13/23 04:55	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 11:08	CH	EET MID

Client Sample ID: S-5 (1.5')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	53263	05/12/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53199	05/13/23 01:25	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53289	05/12/23 16:39	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53191	05/13/23 05:17	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 11:13	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-5 (2')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-21

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			4.97 g	5 mL	53264	05/12/23 13:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53200	05/13/23 00:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/12/23 21:23	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 11:19	CH	EET MID

Client Sample ID: S-5 (3')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-22

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			4.99 g	5 mL	53264	05/12/23 13:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53200	05/13/23 00:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/12/23 22:28	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 11:24	CH	EET MID

Client Sample ID: S-6 (0-1')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-23

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	53272	05/12/23 14:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53334	05/15/23 15:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/16/23 16:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/12/23 22:49	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 11:29	CH	EET MID

Client Sample ID: S-6 (1.5')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-24

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	53264	05/12/23 13:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53200	05/13/23 01:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:34	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-6 (1.5')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-24

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/12/23 23:11	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 11:35	CH	EET MID

Client Sample ID: S-6 (2')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-25

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	53264	05/12/23 13:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53200	05/13/23 01:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/12/23 23:33	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	53281	05/12/23 15:25	KS	EET MID
Soluble	Analysis	300.0		1			53353	05/15/23 11:40	CH	EET MID

Client Sample ID: S-6 (3')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-26

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	53264	05/12/23 13:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53200	05/13/23 01:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/12/23 23:54	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1			53354	05/15/23 12:23	CH	EET MID

Client Sample ID: S-7 (0-1')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	53264	05/12/23 13:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53200	05/13/23 02:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/13/23 04:33	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-7 (0-1')**Lab Sample ID: 880-28369-27****Date Collected: 05/11/23 00:00****Matrix: Solid****Date Received: 05/12/23 12:40**

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	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		5			53354	05/15/23 12:39	CH	EET MID

Client Sample ID: S-7 (1.5')**Lab Sample ID: 880-28369-28****Date Collected: 05/11/23 00:00****Matrix: Solid****Date Received: 05/12/23 12:40**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	53272	05/12/23 14:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53334	05/15/23 16:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/16/23 16:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/13/23 00:15	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		5			53354	05/15/23 12:45	CH	EET MID

Client Sample ID: S-8 (0-1')**Lab Sample ID: 880-28369-29****Date Collected: 05/11/23 00:00****Matrix: Solid****Date Received: 05/12/23 12:40**

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	53264	05/12/23 13:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53200	05/13/23 02:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/13/23 00:37	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1			53354	05/15/23 12:50	CH	EET MID

Client Sample ID: S-8 (1.5')**Lab Sample ID: 880-28369-30****Date Collected: 05/11/23 00:00****Matrix: Solid****Date Received: 05/12/23 12:40**

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	53264	05/12/23 13:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53200	05/13/23 03:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/13/23 00:58	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1			53354	05/15/23 12:55	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-8 (2')

Lab Sample ID: 880-28369-31

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53264	05/12/23 13:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53200	05/13/23 04:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/13/23 01:19	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1			53354	05/15/23 13:11	CH	EET MID

Client Sample ID: S-8 (3')

Lab Sample ID: 880-28369-32

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53264	05/12/23 13:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53200	05/13/23 05:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/13/23 02:02	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1			53354	05/15/23 13:17	CH	EET MID

Client Sample ID: S-9 (0-1')

Lab Sample ID: 880-28369-33

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53264	05/12/23 13:23	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	53200	05/13/23 06:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	53193	05/13/23 03:50	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		5			53354	05/15/23 13:22	CH	EET MID

Client Sample ID: S-9 (1.5')

Lab Sample ID: 880-28369-34

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53264	05/12/23 13:23	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	53200	05/13/23 06:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:34	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-9 (1.5')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-34

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/13/23 04:12	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1			53354	05/15/23 13:27	CH	EET MID

Client Sample ID: S-9 (2')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-35

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	53264	05/12/23 13:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53200	05/13/23 05:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/13/23 02:24	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1			53354	05/15/23 13:33	CH	EET MID

Client Sample ID: S-9 (3')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-36

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	53264	05/12/23 13:23	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	53200	05/13/23 06:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/13/23 04:55	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	53354	05/15/23 13:38	CH	EET MID

Client Sample ID: S-9 (4')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-37

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	53264	05/12/23 13:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53200	05/13/23 05:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/13/23 02:45	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-9 (4')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-37

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		1			53354	05/15/23 13:54	CH	EET MID

Client Sample ID: S-10 (0-1')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-38

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	53264	05/12/23 13:23	MNR	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	53200	05/13/23 07:10	MNR	EET MID
Total/NA	Prep	5035			5.01 g	5 mL	53491	05/16/23 14:29	MNR	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	53488	05/16/23 17:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	53193	05/13/23 03:28	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		50			53354	05/15/23 14:00	CH	EET MID

Client Sample ID: S-10 (1.5')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-39

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	53264	05/12/23 13:23	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	53200	05/13/23 07:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/13/23 05:17	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		10			53354	05/15/23 14:16	CH	EET MID

Client Sample ID: S-10 (2')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-40

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	53264	05/12/23 13:23	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	53200	05/13/23 07:52	MNR	EET MID
Total/NA	Prep	5035			4.99 g	5 mL	53491	05/16/23 14:29	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	53488	05/16/23 17:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 15:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 17:09	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-10 (2')

Lab Sample ID: 880-28369-40

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53288	05/12/23 16:36	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53193	05/13/23 03:07	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		10			53354	05/15/23 14:21	CH	EET MID

Client Sample ID: S-10 (3')

Lab Sample ID: 880-28369-41

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53101	05/13/23 10:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 11:00	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		5			53354	05/15/23 14:26	CH	EET MID

Client Sample ID: S-10 (4')

Lab Sample ID: 880-28369-42

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53101	05/13/23 10:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 12:06	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		5			53354	05/15/23 14:32	CH	EET MID

Client Sample ID: S-11 (0-1')

Lab Sample ID: 880-28369-43

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53101	05/13/23 10:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	53318	05/13/23 17:09	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-11 (0-1')

Lab Sample ID: 880-28369-43

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		10			53354	05/15/23 14:37	CH	EET MID

Client Sample ID: S-11 (1.5')

Lab Sample ID: 880-28369-44

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53101	05/13/23 11:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 12:28	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		5			53354	05/15/23 14:42	CH	EET MID

Client Sample ID: S-12 (0-1')

Lab Sample ID: 880-28369-45

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53272	05/12/23 14:20	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	53334	05/15/23 17:05	MNR	EET MID
Total/NA	Prep	5035			5.02 g	5 mL	53491	05/16/23 14:29	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	53488	05/16/23 18:07	MNR	EET MID
Total/NA	Prep	5035			4.97 g	5 mL	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	53101	05/13/23 11:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	53318	05/13/23 17:30	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53280	05/12/23 15:24	KS	EET MID
Soluble	Analysis	300.0		5			53354	05/15/23 14:48	CH	EET MID

Client Sample ID: S-12 (1.5')

Lab Sample ID: 880-28369-46

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53272	05/12/23 14:20	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	53334	05/15/23 17:25	MNR	EET MID
Total/NA	Prep	5035			5.03 g	5 mL	53491	05/16/23 14:29	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	53488	05/16/23 18:28	MNR	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-12 (1.5')

Lab Sample ID: 880-28369-46

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	53101	05/13/23 11:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 18:33	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		10			53395	05/15/23 18:39	SMC	EET MID

Client Sample ID: S-12 (2')

Lab Sample ID: 880-28369-47

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	53101	05/13/23 12:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 18:54	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		10			53395	05/15/23 18:55	SMC	EET MID

Client Sample ID: S-12 (3')

Lab Sample ID: 880-28369-48

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	53101	05/13/23 12:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 13:12	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		10			53395	05/15/23 19:01	SMC	EET MID

Client Sample ID: S-12 (4')

Lab Sample ID: 880-28369-49

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	53101	05/13/23 12:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-12 (4')

Lab Sample ID: 880-28369-49

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 12:50	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		10			53395	05/15/23 19:06	SMC	EET MID

Client Sample ID: S-13 (0-1')

Lab Sample ID: 880-28369-50

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53272	05/12/23 14:20	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	53334	05/15/23 17:45	MNR	EET MID
Total/NA	Prep	5035			4.97 g	5 mL	53491	05/16/23 14:29	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	53488	05/16/23 18:48	MNR	EET MID
Total/NA	Prep	5035			5.05 g	5 mL	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	53101	05/13/23 13:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 18:12	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		5			53395	05/15/23 19:11	SMC	EET MID

Client Sample ID: S-13 (1.5')

Lab Sample ID: 880-28369-51

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53101	05/13/23 14:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 13:34	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		1			53395	05/15/23 19:27	SMC	EET MID

Client Sample ID: S-13 (2')

Lab Sample ID: 880-28369-52

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53101	05/13/23 14:57	MNR	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-13 (2')

Lab Sample ID: 880-28369-52

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 13:55	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		1			53395	05/15/23 19:33	SMC	EET MID

Client Sample ID: S-13 (3')

Lab Sample ID: 880-28369-53

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53101	05/13/23 15:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 14:17	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		1			53395	05/15/23 19:38	SMC	EET MID

Client Sample ID: S-13 (4')

Lab Sample ID: 880-28369-54

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53101	05/13/23 15:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 14:38	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		1			53395	05/15/23 19:43	SMC	EET MID

Client Sample ID: S-14 (0-1')

Lab Sample ID: 880-28369-55

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53101	05/13/23 15:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-14 (0-1')

Lab Sample ID: 880-28369-55

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 15:00	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		10			53395	05/15/23 19:49	SMC	EET MID

Client Sample ID: S-14 (1.5')

Lab Sample ID: 880-28369-56

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53101	05/13/23 16:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 15:44	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		10			53395	05/15/23 19:54	SMC	EET MID

Client Sample ID: S-14 (2')

Lab Sample ID: 880-28369-57

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53101	05/13/23 16:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 16:05	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		5			53395	05/15/23 20:10	SMC	EET MID

Client Sample ID: S-14 (3')

Lab Sample ID: 880-28369-58

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53101	05/13/23 17:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 16:27	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-14 (3')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-58

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		5			53395	05/15/23 20:16	SMC	EET MID

Client Sample ID: S-14 (4')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-59

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53101	05/13/23 17:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 16:48	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		1			53395	05/15/23 20:32	SMC	EET MID

Client Sample ID: S-15 (0-1')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-60

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	53265	05/12/23 13:24	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	53101	05/13/23 17:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/15/23 17:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53304	05/12/23 21:01	AJ	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	53318	05/13/23 17:51	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		5			53395	05/15/23 20:37	SMC	EET MID

Client Sample ID: S-15 (1.5')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-61

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	53242	05/12/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53337	05/15/23 11:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/16/23 15:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53307	05/12/23 21:28	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53315	05/13/23 17:45	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		10			53395	05/15/23 20:42	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-15 (2')

Lab Sample ID: 880-28369-62

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53242	05/12/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53337	05/15/23 11:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/16/23 15:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/16/23 11:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53379	05/15/23 12:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53324	05/15/23 22:17	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		10			53395	05/15/23 20:48	SMC	EET MID

Client Sample ID: S-15 (3')

Lab Sample ID: 880-28369-63

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53242	05/12/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53337	05/15/23 12:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/16/23 15:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/16/23 11:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53379	05/15/23 12:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53324	05/15/23 22:39	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		10			53395	05/15/23 20:53	SMC	EET MID

Client Sample ID: S-15 (4')

Lab Sample ID: 880-28369-64

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53242	05/12/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53337	05/15/23 12:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/16/23 15:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53306	05/12/23 21:11	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/14/23 04:29	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		10			53395	05/15/23 20:58	SMC	EET MID

Client Sample ID: S-16 (0-1')

Lab Sample ID: 880-28369-65

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53242	05/12/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	53337	05/15/23 13:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/16/23 15:46	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-16 (0-1')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-65

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			53375	05/16/23 11:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53379	05/15/23 12:47	AJ	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	53324	05/15/23 23:00	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	53279	05/12/23 15:22	KS	EET MID
Soluble	Analysis	300.0		20			53395	05/15/23 21:04	SMC	EET MID

Client Sample ID: S-16 (1.5')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-66

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	53491	05/16/23 14:29	MNR	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	53488	05/16/23 19:08	MNR	EET MID
Total/NA	Prep	5035			5.01 g	5 mL	53242	05/12/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	53337	05/15/23 13:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/16/23 15:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/16/23 11:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53379	05/15/23 12:47	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	53324	05/15/23 23:22	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	53278	05/12/23 15:21	KS	EET MID
Soluble	Analysis	300.0		1			53401	05/16/23 02:05	SMC	EET MID

Client Sample ID: S-16 (2')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-67

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	53491	05/16/23 14:29	MNR	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	53488	05/16/23 19:29	MNR	EET MID
Total/NA	Prep	5035			4.97 g	5 mL	53242	05/12/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	53337	05/15/23 13:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/16/23 15:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/16/23 11:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53379	05/15/23 12:47	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	53324	05/15/23 23:43	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	53278	05/12/23 15:21	KS	EET MID
Soluble	Analysis	300.0		1			53401	05/16/23 02:10	SMC	EET MID

Client Sample ID: S-16 (3')

Date Collected: 05/11/23 00:00

Date Received: 05/12/23 12:40

Lab Sample ID: 880-28369-68

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	53242	05/12/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	53337	05/15/23 14:18	MNR	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Client Sample ID: S-16 (3')

Lab Sample ID: 880-28369-68

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Total BTEX		1			53407	05/16/23 15:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/16/23 11:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	53379	05/15/23 12:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53324	05/16/23 00:05	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	53278	05/12/23 15:21	KS	EET MID
Soluble	Analysis	300.0		1			53401	05/16/23 02:26	SMC	EET MID

Client Sample ID: S-16 (4')

Lab Sample ID: 880-28369-69

Date Collected: 05/11/23 00:00

Matrix: Solid

Date Received: 05/12/23 12:40

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	53242	05/12/23 13:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53337	05/15/23 12:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53407	05/16/23 15:46	AJ	EET MID
Total/NA	Analysis	8015 NM		1			53375	05/16/23 11:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53379	05/15/23 12:47	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53324	05/16/23 00:26	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	53278	05/12/23 15:21	KS	EET MID
Soluble	Analysis	300.0		1			53401	05/16/23 02:31	SMC	EET MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
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	T104704400-22-25	06-30-23

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

Analysis Method	Prep Method	Matrix	Analyte
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: Beowulf 33 State CTB

Job ID: 880-28369-1
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: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-28369-1	S-1 (0-1')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-2	S-1 (1.5')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-3	S-1 (2')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-4	S-1 (3')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-5	S-2 (0-1')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-6	S-2 (1.5')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-7	S-2 (2')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-8	S-2 (3')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-9	S-3 (0-1')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-10	S-3 (1.5')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-11	S-3 (2')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-12	S-3 (3')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-13	S-3 (4')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-14	S-4 (0-1')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-15	S-4 (1.5')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-16	S-4 (2')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-17	S-4 (3')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-18	S-4 (4')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-19	S-5 (0-1')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-20	S-5 (1.5')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-21	S-5 (2')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-22	S-5 (3')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-23	S-6 (0-1')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-24	S-6 (1.5')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-25	S-6 (2')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-26	S-6 (3')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-27	S-7 (0-1')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-28	S-7 (1.5')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-29	S-8 (0-1')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-30	S-8 (1.5')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-31	S-8 (2')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-32	S-8 (3')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-33	S-9 (0-1')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-34	S-9 (1.5')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-35	S-9 (2')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-36	S-9 (3')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-37	S-9 (4')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-38	S-10 (0-1')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-39	S-10 (1.5')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-40	S-10 (2')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-41	S-10 (3')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-42	S-10 (4')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-43	S-11 (0-1')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-44	S-11 (1.5')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-45	S-12 (0-1')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-46	S-12 (1.5')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-47	S-12 (2')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-48	S-12 (3')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-49	S-12 (4')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-50	S-13 (0-1')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-51	S-13 (1.5')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-52	S-13 (2')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-53	S-13 (3')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-54	S-13 (4')	Solid	05/11/23 00:00	05/12/23 12:40

Sample Summary

Client: Carmona Resources
Project/Site: Beowulf 33 State CTB

Job ID: 880-28369-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-28369-55	S-14 (0-1')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-56	S-14 (1.5')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-57	S-14 (2')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-58	S-14 (3')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-59	S-14 (4')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-60	S-15 (0-1')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-61	S-15 (1.5')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-62	S-15 (2')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-63	S-15 (3')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-64	S-15 (4')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-65	S-16 (0-1')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-66	S-16 (1.5')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-67	S-16 (2')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-68	S-16 (3')	Solid	05/11/23 00:00	05/12/23 12:40
880-28369-69	S-16 (4')	Solid	05/11/23 00:00	05/12/23 12:40

Work Order No: 28369

Page 1 of 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 ☐ RC ☐ Superfund ☐
State of Project:	
Reporting Level II	☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables EDD	☐ ADaPT ☐ Other

Project Name		Beowulf 33 State CTB		Turn Around		ANALYSIS REQUEST																Preservative Codes					
Project Number:		2026		☐ Routine ☒ Rush																		None NO DI Water H ₂ O					
Project Location		Lea County, New Mexico		Due Date		72 hours																		Cool Cool MeOH Me			
Sampler's Name		FV																				HCL HC HNO ₃ HN					
PO #:																						H ₂ SO ₄ H ₂ NaOH Na					
SAMPLE RECEIPT		Temp Blank.		Yes ☒ No ☐		Wet Ice		Yes ☒ No ☐																		H ₃ PO ₄ HP	
Received Intact:		Yes ☒ No ☐		Thermometer ID		= 30																		NaHSO ₄ NABIS			
Cooler Custody Seals.		Yes ☒ No ☐ N/A		Correction Factor		= 30																		Na ₂ S ₂ O ₃ NaSO ₃			
Sample Custody Seals		Yes ☒ No ☐ N/A		Temperature Reading		32																		Zn Acetate+NaOH Zn			
Total Containers				Corrected Temperature		2.9																		NaOH+Ascorbic Acid SAPC			
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments	
S-1 (0-1')		5/11/2023				X				Grab/		1		X X X												402	
S-1 (1-5')		5/11/2023				X				Grab/		1		X X X													
S-1 (2')		5/11/2023				X				Grab/		1		X X X													
S-1 (3')		5/11/2023				X				Grab/		1		X X X													
S-2 (0-1')		5/11/2023				X				Grab/		1		X X X													
S-2 (1-5')		5/11/2023				X				Grab/		1		X X X													
S-2 (2')		5/11/2023				X				Grab/		1		X X X													
S-2 (3')		5/11/2023				X				Grab/		1		X X X													
S-3 (0-1')		5/11/2023				X				Grab/		1		X X X													
S-3 (1-5')		5/11/2023				X				Grab/		1		X X X													



880-28369 Chain of Custody

Comments Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com	
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Relinquished by (Signature)		Date/Time		Received by (Signature)		Date/Time	
Fabian Vargas		5/12/23 1210		[Signature]			

Work Order No: 28369

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 ☐ perfund ☐
State of Project:	
Reporting Level II	☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables EDD	☐ ADaPT ☐ Other

Project Name:		Beowulf 33 State CTB		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes								
Project Number:		2026		☐ Routine ☒ Rush																			None NO DI Water: H ₂ O								
Project Location		Lea County, New Mexico		Due Date		72 hours		Parameters	BTX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500																	Cool Cool MeOH Me			
Sampler's Name		FV																				HCL HC HNO ₃ HN									
PO #:																						H ₂ SO ₄ H ₂ NaOH Na									
SAMPLE RECEIPT		Temp Blank.		Yes No		Wet Ice.						Yes No																		H ₃ PO ₄ HP	
Received Intact:		Yes No		Thermometer ID																								NaHSO ₄ NABIS			
Cooler Custody Seals.		Yes No N/A		Correction Factor:																				Na ₂ S ₂ O ₃ NaSO ₃							
Sample Custody Seals.		Yes No N/A		Temperature Reading																				Zn Acetate+NaOH Zn							
Total Containers.				Corrected Temperature																				NaOH+Ascorbic Acid SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/ Comp		# of Cont																		Sample Comments	
S-3 (2')		5/11/2023				X				Grab/		1		X X X																	
S-3 (3')		5/11/2023				X				Grab/		1		X X X																	
S-3 (4')		5/11/2023				X				Grab/		1		X X X																	
S-4 (0-1')		5/11/2023				X				Grab/		1		X X X																	
S-4 (1 5')		5/11/2023				X				Grab/		1		X X X																	
S-4 (2')		5/11/2023				X				Grab/		1		X X X																	
S-4 (3')		5/11/2023				X				Grab/		1		X X X																	
S-4 (3 5')		5/11/2023				X				Grab/		1		X X X																	
S-5 (0-1')		5/11/2023				X				Grab/		1		X X X																	
S-5 (1 5')		5/11/2023				X				Grab/		1		X X X																	

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

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
<i>Fabian Vargas</i>		5/12/23 1240		<i>Re...</i>			

Work Order No: 28369Page 3 of 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	☐ RC
State of Project:			
Reporting Level II	☐ Level III	☐ ST/UST	☐ RRP
Deliverables: EDD	☐ ADaPT	☐ Other	

Project Name		Beowulf 33 State CTB		Turn Around		Pres. Code		ANALYSIS REQUEST																Preservative Codes							
Project Number		2026		☐ Routine ☒ Rush		Pres. Code																		None NO DI Water H ₂ O							
Project Location		Lea County, New Mexico		Due Date		72 hours																		Cool Cool MeOH Me							
Sampler's Name		FV																						HCL HC HNO ₃ HN							
PO #																								H ₂ SO ₄ H ₂ NaOH Na							
SAMPLE RECEIPT		Temp Blank.		Yes No		Wet Ice		Yes No																		H ₃ PO ₄ HP					
Received Intact:		Yes No		Thermometer ID																				NaHSO ₄ NABIS							
Cooler Custody Seals		Yes No N/A		Correction Factor																				Na ₂ S ₂ O ₃ NaSO ₃							
Sample Custody Seals		Yes No N/A		Temperature Reading																				Zn Acetate+NaOH Zn							
Total Containers				Corrected Temperature																				NaOH+Ascorbic Acid SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/ Comp		# of Cont																		Sample Comments	
S-5 (2')		5/11/2023				X				Grab/		1		X X X																	
S-5 (3')		5/11/2023				X				Grab/		1		X X X																	
S-6 (0-1')		5/11/2023				X				Grab/		1		X X X																	
S-6 (1 5')		5/11/2023				X				Grab/		1		X X X																	
S-6 (2')		5/11/2023				X				Grab/		1		X X X																	
S-6 (3')		5/11/2023				X				Grab/		1		X X X																	
S-7 (0-1')		5/11/2023				X				Grab/		1		X X X																	
S-7 (1 5')		5/11/2023				X				Grab/		1		X X X																	
S-8 (0-1')		5/11/2023				X				Grab/		1		X X X																	
S-8 (1 5')		5/11/2023				X				Grab/		1		X X X																	

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Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
Julian Vargas	5/12/23 1240		

Work Order No: 18369

Page 4 of 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 ☐ RC ☐ Superfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables EDD ☐ ADaPT ☐ Other	

Project Name		Beowulf 33 State CTB		Turn Around		Pres. Code		ANALYSIS REQUEST																Preservative Codes											
Project Number:		2026		☐ Routine ☒ Rush		Due Date		72 hours		Parameters		BTEx 8021B		TPH 8015M (GRO + DRO + MRO)		Chloride 300.0																		None NO DI Water: H ₂ O	
Project Location		Lea County, New Mexico		Due Date		72 hours																												Cool Cool MeOH Me	
Sampler's Name		FV																																HCL HC HNO ₃ HN	
PO #:																																		H ₂ SO ₄ H ₂ NaOH Na	
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice		Yes No																										H ₃ PO ₄ HP	
Received Intact:		Yes No		Thermometer ID																														NaHSO ₄ NABIS	
Cooler Custody Seals		Yes No N/A		Correction Factor																														Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals.		Yes No N/A		Temperature Reading																														Zn Acetate+NaOH Zn	
Total Containers.				Corrected Temperature																														NaOH+Ascorbic Acid SAPC	
Sample Identification		Date		Time		Soil		Water		Grab/ Comp		# of Cont																						Sample Comments	
S-8 (2')		5/11/2023				X				Grab/		1		X		X																			
S-8 (3')		5/11/2023				X				Grab/		1		X		X																			
S-9 (0-1')		5/11/2023				X				Grab/		1		X		X																			
S-9 (1 5')		5/11/2023				X				Grab/		1		X		X																			
S-9 (2')		5/11/2023				X				Grab/		1		X		X																			
S-9 (3')		5/11/2023				X				Grab/		1		X		X																			
S-9 (4')		5/11/2023				X				Grab/		1		X		X																			
S-10 (0-1')		5/11/2023				X				Grab/		1		X		X																			
S-10 (1 5')		5/11/2023				X				Grab/		1		X		X																			
S-10 (2')		5/11/2023				X				Grab/		1		X		X																			

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Relinquished by (Signature)		Date/Time		Received by (Signature)		Date/Time	
<i>Todd Wells</i>		5/12/23		<i>[Signature]</i>			
		1240					

Work Order No: 28369Page 5 of 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 ☐ RC ☐ perfund ☐
State of Project:	
Reporting Level II	☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables: EDD	☐ ADaPT ☐ Other

Project Name		Beowulf 33 State CTB		Turn Around		Pres. Code		ANALYSIS REQUEST																Preservative Codes											
Project Number		2026		☐ Routine ☒ Rush		Due Date		72 hours		Parameters		BTX 8021B		TPH 8015M (GRO + DRO + MRO)		Chloride 300.0																		None NO DI Water H ₂ O	
Project Location		Lea County, New Mexico		Due Date		72 hours																												Cool Cool MeOH. Me	
Sampler's Name		FV																																HCL HC HNO ₃ . HN	
PO #:																																		H ₂ SO ₄ . H ₂ NaOH Na	
SAMPLE RECEIPT		Temp Blank.		Yes No		Wet Ice		Yes No																										H ₃ PO ₄ HP	
Received Intact:		Yes No		Thermometer ID:																														NaHSO ₄ NABIS	
Cooler Custody Seals.		Yes No N/A		Correction Factor:																														Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals		Yes No N/A		Temperature Reading																														Zn Acetate+NaOH Zn	
Total Containers.				Corrected Temperature.																														NaOH+Ascorbic Acid SAPC	
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont																						Sample Comments	
S-10 (3')		5/11/2023				X				Grab/		1		X		X																			
S-10 (4')		5/11/2023				X				Grab/		1		X		X																			
S-11 (0-1')		5/11/2023				X				Grab/		1		X		X																			
S-11 (1-5')		5/11/2023				X				Grab/		1		X		X																			
S-12 (0-1')		5/11/2023				X				Grab/		1		X		X																			
S-12(1-5')		5/11/2023				X				Grab/		1		X		X																			
S-12 (2')		5/11/2023				X				Grab/		1		X		X																			
S-12 (3')		5/11/2023				X				Grab/		1		X		X																			
S-12 (4')		5/11/2023				X				Grab/		1		X		X																			
S-13 (0-1')		5/11/2023				X				Grab/		1		X		X																			

Relinquished by: (Signature)				Date/Time		Received by: (Signature)				Date/Time	
Fabian Vargas				5/12/23 12:40		[Signature]					

Work Order No: 28369Page 6 of 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 ☐ perfund ☐
State of Project:	
Reporting Level II	☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables EDD	☐ ADaPT ☐ Other

Project Name	Beowulf 33 State CTB		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes					
Project Number	2026		☐ Routine ☒ Rush			Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0																	None NO	DI Water H ₂ O
Project Location	Lea County, New Mexico		Due Date	72 hours																						Cool Cool	MeOH Me
Sampler's Name.	FV																									HCL HC	HNO ₃ HN
PO #:																										H ₂ SO ₄ H ₂	NaOH Na
SAMPLE RECEIPT			Temp Blank.	Yes No	Wet Ice	Yes No																	H ₃ PO ₄ HP				
Received Intact:	Yes No		Thermometer ID																		NaHSO ₄ NABIS						
Cooler Custody Seals.	Yes No N/A		Correction Factor																		Na ₂ S ₂ O ₃ NaSO ₃						
Sample Custody Seals.	Yes No N/A		Temperature Reading																		Zn Acetate+NaOH Zn						
Total Containers.			Corrected Temperature.																		NaOH+Ascorbic Acid SAPC						
Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont																	Sample Comments				
S-13 (1 5')	5/11/2023		X		Grab/	1	X	X	X																		
S-13 (2')	5/11/2023		X		Grab/	1	X	X	X																		
S-13 (3')	5/11/2023		X		Grab/	1	X	X	X																		
S-13 (4')	5/11/2023		X		Grab/	1	X	X	X																		
S-14 (0-1')	5/11/2023		X		Grab/	1	X	X	X																		
S-14 (1 5')	5/11/2023		X		Grab/	1	X	X	X																		
S-14 (2')	5/11/2023		X		Grab/	1	X	X	X																		
S-14 (3')	5/11/2023		X		Grab/	1	X	X	X																		
S-14 (4')	5/11/2023		X		Grab/	1	X	X	X																		
S-15 (0-1')	5/11/2023		X		Grab/	1	X	X	X																		

Relinquished by: (Signature)				Date/Time		Received by: (Signature)		Date/Time	
Fabian Vargas				5/12/23 1240		Lorena			

Work Order No: 28369Page 7 of 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 ☐ perfund ☐
State of Project:	
Reporting Level II	☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables EDD	☐ ADaPT ☐ Other

Project Name	Beowulf 33 State CTB		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes					
Project Number	2026		☐ Routine ☒ Rush																			None NO DI Water: H ₂ O					
Project Location	Lea County, New Mexico		Due Date	72 hours		Parameters	BTEx 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0																	Cool Cool MeOH Me	
Sampler's Name	FV																				HCL HC HNO ₃ HN						
PO #:																					H ₂ SO ₄ H ₂ NaOH Na						
SAMPLE RECEIPT		Temp Blank.	Yes No	Wet Ice.	Yes No																					H ₃ PO ₄ HP	
Received Intact:	Yes No	Thermometer ID																		NaHSO ₄ NABIS							
Cooler Custody Seals.	Yes No N/A	Correction Factor																		Na ₂ S ₂ O ₃ NaSO ₃							
Sample Custody Seals	Yes No N/A	Temperature Reading																		Zn Acetate+NaOH Zn							
Total Containers.			Corrected Temperature																		NaOH+Ascorbic Acid SAPC						
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																	Sample Comments				
S-15 (1 5')	5/11/2023		X		Grab/	1	X	X	X																		
S-15 (2')	5/11/2023		X		Grab/	1	X	X	X																		
S-15 (3')	5/11/2023		X		Grab/	1	X	X	X																		
S-15 (4')	5/11/2023		X		Grab/	1	X	X	X																		
S-16 (0-1')	5/11/2023		X		Grab/	1	X	X	X																		
S-16 (1 5')	5/11/2023		X		Grab/	1	X	X	X																		
S-16 (2')	5/11/2023		X		Grab/	1	X	X	X																		
S-16 (3')	5/11/2023		X		Grab/	1	X	X	X																		
S-16 (4')	5/11/2023		X		Grab/	1	X	X	X																		

Loc: 880
28369

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Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
<i>Fabian Vargas</i>	5/17/23 1240	<i>[Signature]</i>	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-28369-1
SDG Number: Lea County, NM

Login Number: 28369

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	

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

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

CONDITIONS

Action 253240

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 253240
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation plan approved as written. Remediation Due date updated to February 20, 2024.	11/20/2023