



SITE INFORMATION

Closure Report
Federal USA J 001 (06.01.2023)
Incident # NAPP2317029121
Lea County, New Mexico
Unit A Sec 31 T19S R32E
32.6238°, -103.7988°

Crude Oil and Produced Water Release

Point of Release: Flowline Rupture

Release Date: 06.01.23

Volume Released: 0.25 Barrels of Crude Oil and 0.25 Barrels of Produced Water

Volume Recovered: 0 Barrels of Crude Oil and 0 Barrels of Produced Water

CARMONA RESOURCES



Prepared for:
Concho Operating, LLC
15 West London Road,
Loving, New Mexico 88256

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



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November 1, 2023

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

Re: Closure Report
Federal USA J 001 (06.01.2023)
Concho Operating, LLC
Incident # NAPP2317029121
Site Location: Unit A, S31, T19S, R32E
(Lat 32.6238°, Long -103.7988°)
Lea County, New Mexico

To whom it may concern:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site activities for the Federal USA J 001 (06.01.23). The site is located at 32.6238°, -103.7988° within Unit A, S31, T19S, R32E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on June 1, 2023, caused by a ruptured flowline due to corrosion. It resulted in the release of approximately zero point two five (0.25) barrels of crude oil and zero point two five (0.25) barrels of produced water with zero (0) barrels of crude oil and zero (0) barrels of produced water 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, there is no known water source within a 0.50-mile radius of the location. The nearest identified well is located approximately 1.23 miles West of the site in S31, T19S, R32E and was drilled in 1975. The well has a reported depth to groundwater of 661.56' below ground surface ft bgs). A copy of the associated Point of Diversion Summary report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

4.0 Site Assessment Activities

Initial Assessment

On June 22, 2023, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of three (3) sample points (S-1 through S-3) and six (6) horizontal samples (H-1 through H-6) were advanced to depths ranging from the surface to 5' bgs inside and surrounding the release

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432.813.1992



area to evaluate the vertical and horizontal extent. See Figure 3 for the soil sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, 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.

Vertical Delineation

Vertical delineation was achieved in all areas except for the area of S-2 due to the dense layer encountered. The area of S-2 showed elevated chloride levels ranging from 5,940 mg/kg to 3,670 mg/kg from the surface to 5' bgs. Refer to Table 1.

Horizontal Delineation

The areas of H-1 through H-4 and H-6 were below the regulatory limits for benzene, total BTEX, TPH, and chloride concentrations. The area of H-5 showed a high TPH concentration at 117 mg/kg. On September 10, 2023, Carmona Resources LLC stepped out laterally and recollected H-5. H-5 was submitted for laboratory analysis, and results returned below the regulatory limits for benzene, total BTEX, TPH, and chloride concentrations. Refer to Table 1.

5.0 Remediation Activities

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via email on October 6, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The area of S-1 was excavated to a depth of 1.5' bgs. The area of S-2 was excavated to a depth of 5.5' bgs. The area of S-3 was excavated to a depth of 2.0' bgs. A total of eighteen (18) confirmation floor samples were collected (CS-1 through CS-18), and fifteen (15) sidewall samples (SW-1 through SW-15) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

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

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade and reseeded with BLM #2 seed mix. Approximately 240 cubic yards of material were excavated and transported offsite for proper disposal.

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, don't hesitate to contact us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

Mike Carmona
Environmental Manager

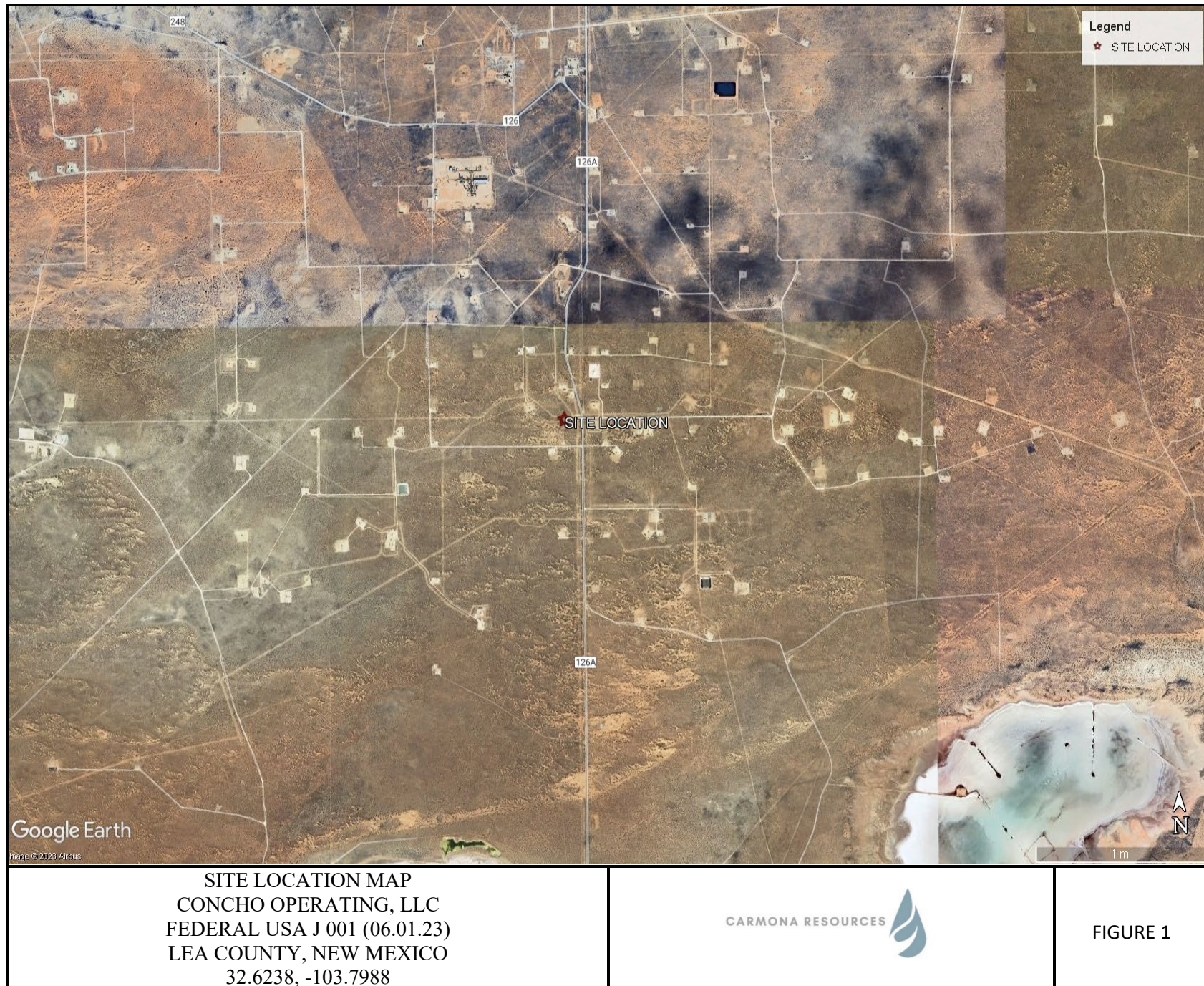
Ashton Thielke
Sr. Project Manager

310 West Wall Street, Suite 500
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432.813.1992

FIGURES

CARMONA RESOURCES



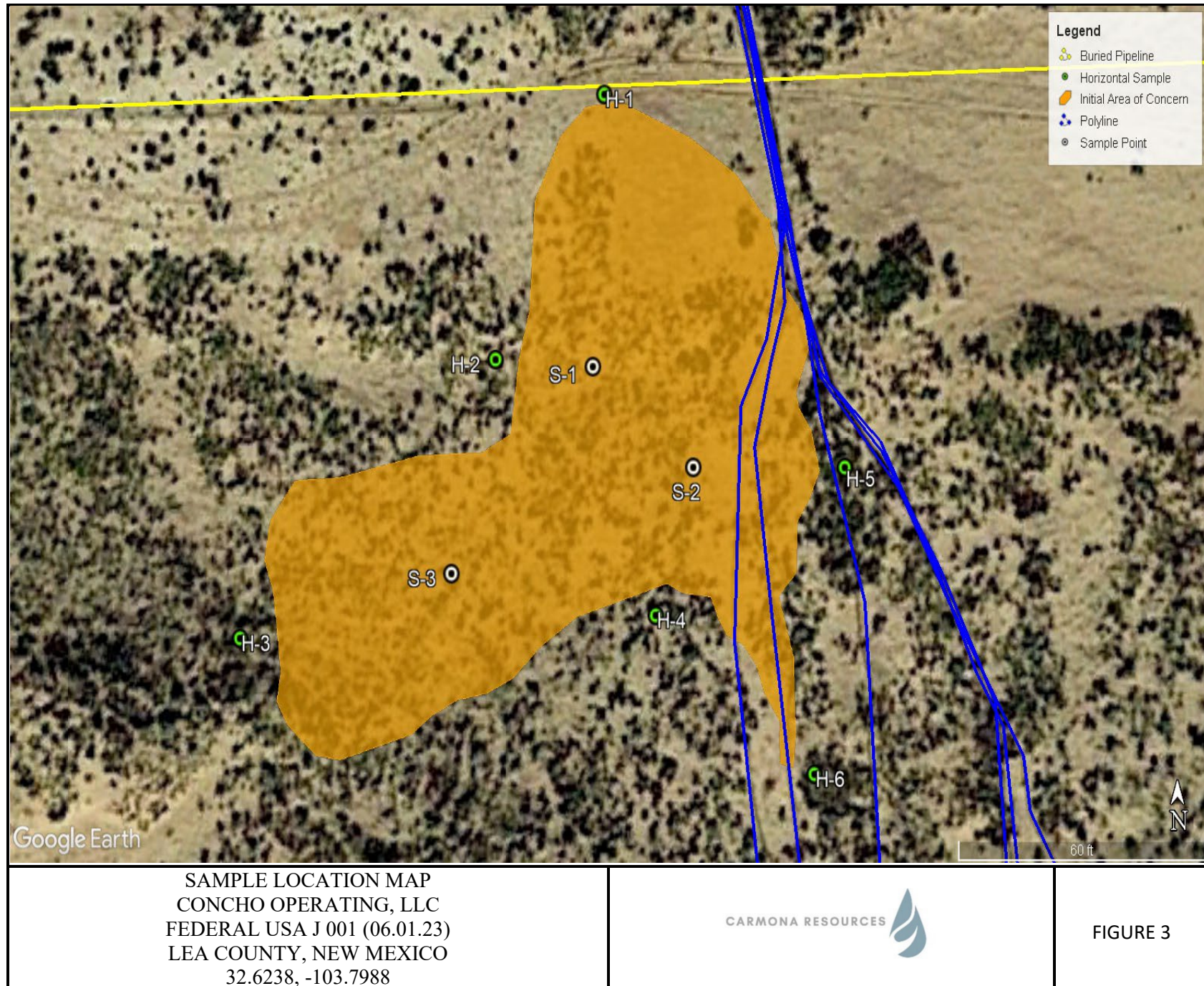


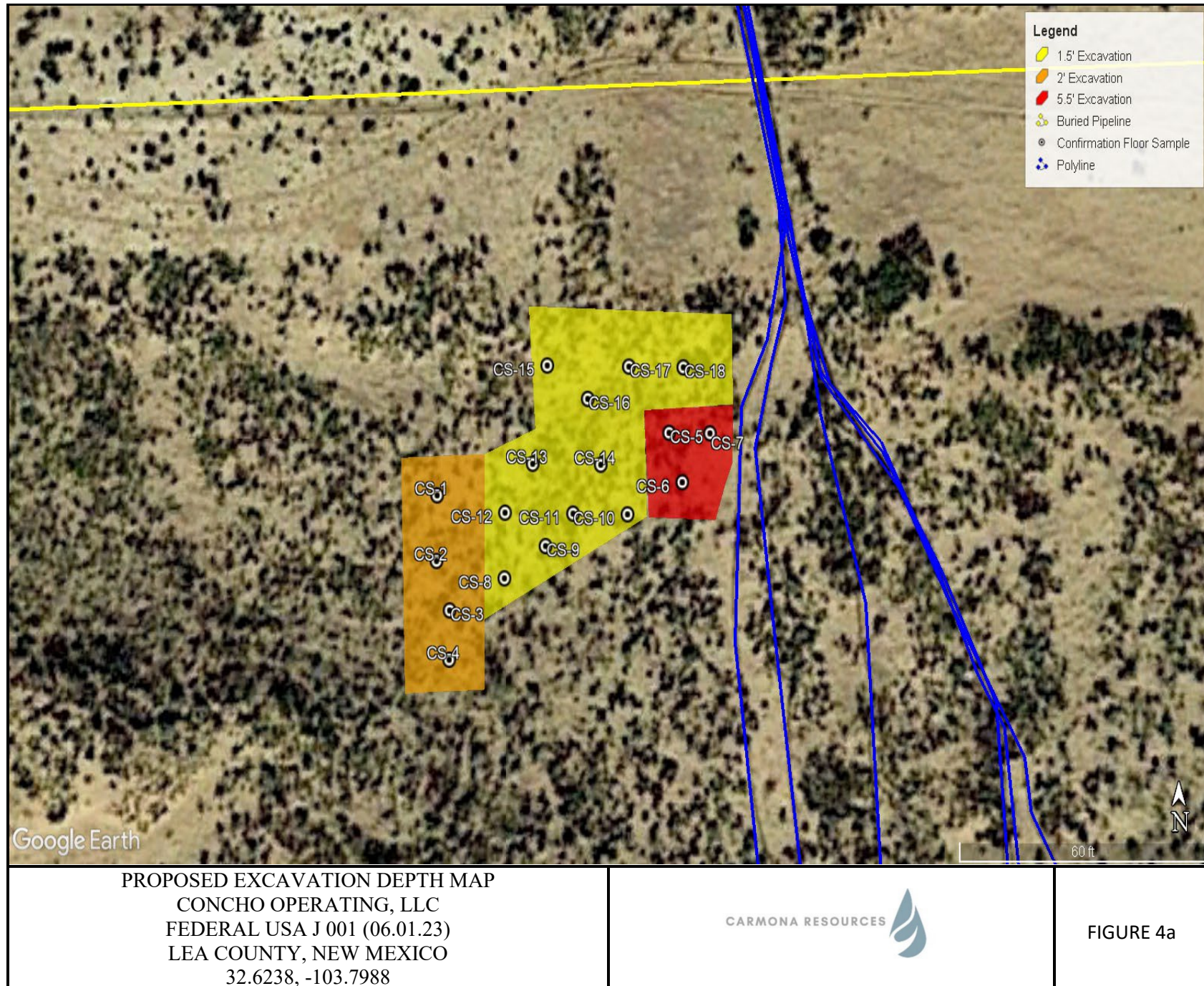


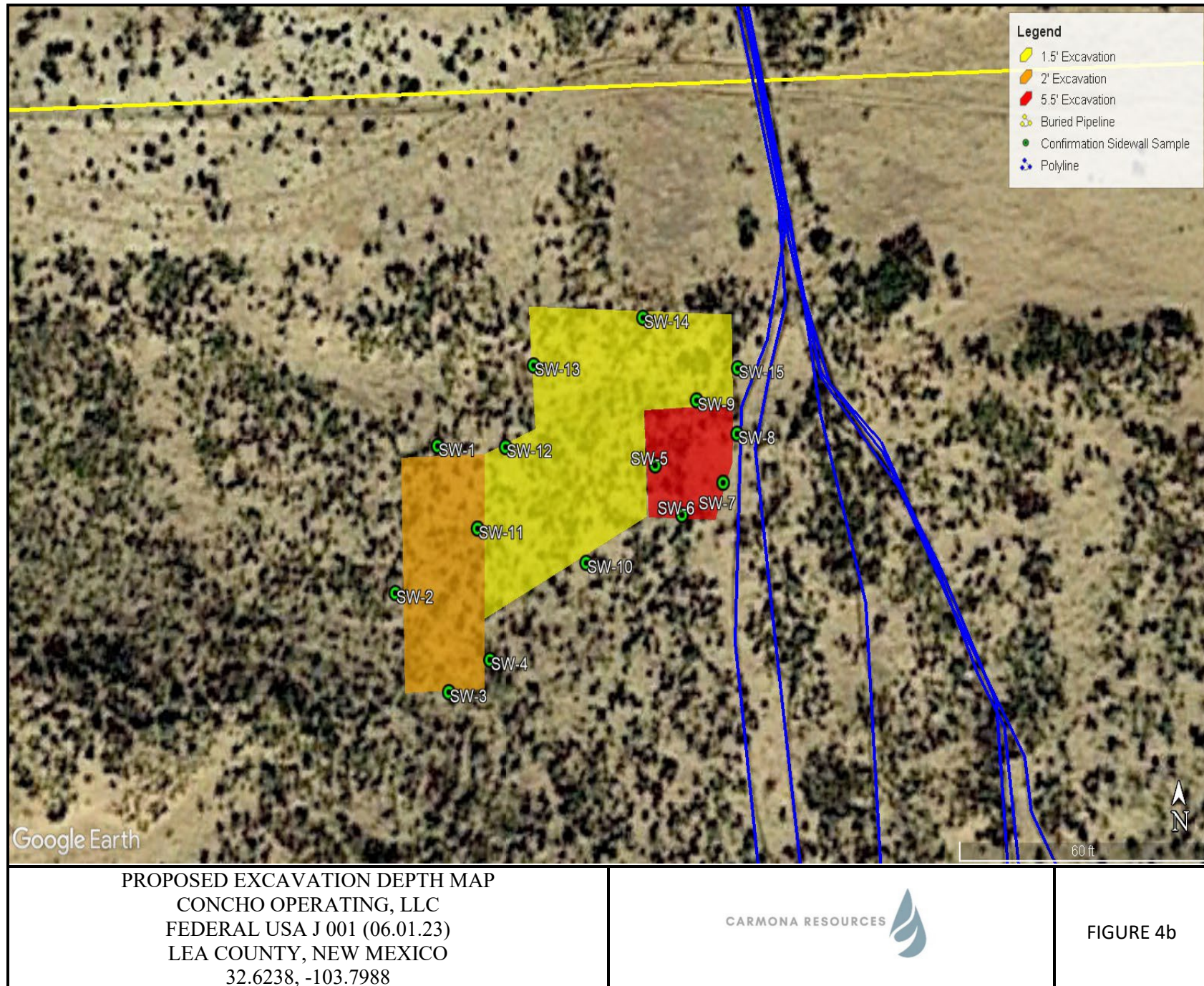
TOPOGRAPHIC MAP
CONCHO OPERATING, LLC
FEDERAL USA J 001 (06.01.23)
LEA COUNTY, NEW MEXICO
32.6238, -103.7988



FIGURE 2







APPENDIX A

CARMONA RESOURCES



Table 1
Conoco Phillips
Federal USA J 001 (06.01.23)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	6/22/2023	0-0.5	<49.9	496	<49.9	496	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	379
	"	1.0	<49.9	129	<49.9	129	<0.00200	0.00309	<0.00200	<0.00400	<0.00400	96.7
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00199	0.00267	<0.00199	<0.00398	<0.00398	72.2
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00198	0.00210	<0.00198	<0.00396	<0.00396	53.6
S-2	6/22/2023	0-1	1,520	7,760	<999	9,280	0.346	7.61	6.62	20.2	34.8	5,160
	"	1.5	2,440	8,600	<997	11,000	1.04	14.1	9.17	27.0	51.3	5,180
	"	2.0	3,450	13,000	<999	16,500	1.13	14.0	8.31	24.5	47.9	4,910
	"	3.0	1,050	4,790	<998	5,840	2.44	58.0	12.4	34.5	107	4,410
	"	4.0	<1,000	3,460	<1,000	3,460	0.443	5.49	3.81	12.3	22.0	3,670
	"	5.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	5,940
S-3	6/22/2023	0.5	<50.0	61.0	<50.0	61.0	<0.00199	0.00300	<0.00199	<0.00398	<0.00398	2,520
	"	1.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	737
	"	1.5	<49.9	90.0	51.7	142	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	60.8
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	0.00311	<0.00200	<0.00401	<0.00401	56.0
H-1	6/22/2023	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	64.4
H-2	6/22/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00201	0.00285	<0.00201	<0.00402	<0.00402	53.0
H-3	6/22/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00202	0.00725	0.00316	0.00956	0.0200	36.6
H-4	6/22/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00198	0.00348	<0.00198	<0.00396	<0.00396	79.5
H-5	6/22/2023	0-0.5	<49.9	117	<49.9	117	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	507
	10/11/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	119
H-6	6/22/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	0.00379	<0.00201	<0.00402	<0.00402	117
Regulatory Criteria^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) Sample Point

(H) Horizontal Sample

Removed

Table 2
Conoco Phillips
Federal USA J 001 (06.01.23)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	10/11/2023	2.0	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	83.5
CS-2	10/11/2023	2.0	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	219
CS-3	10/11/2023	2.0	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	239
CS-4	10/11/2023	2.0	<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	100
CS-5	10/11/2023	5.5	<50.4	<50.4	<50.4	<50.4	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	96.9
CS-6	10/11/2023	5.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	96.3
CS-7	10/11/2023	5.5	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	50.7
CS-8	10/11/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	102
CS-9	10/11/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	178
CS-10	10/11/2023	1.5	<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	201
CS-11	10/11/2023	1.5	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	29.4
CS-12	10/11/2023	1.5	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	110
CS-13	10/11/2023	1.5	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	214
CS-14	10/11/2023	1.5	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	141
CS-15	10/11/2023	1.5	<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	83.8
CS-16	10/11/2023	1.5	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	194
CS-17	10/11/2023	1.5	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	99.9
CS-18	10/11/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	168
SW-1	10/11/2023	2.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	92.0
SW-2	10/11/2023	2.0	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	167
SW-3	10/11/2023	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	195
SW-4	10/11/2023	2.0	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	227
SW-5	10/11/2023	5.5	<50.2	<50.2	<50.2	<50.2	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	106
SW-6	10/11/2023	5.5	<50.5	<50.5	<50.5	<50.5	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	108
SW-7	10/11/2023	5.5	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	100
SW-8	10/11/2023	5.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	97.3
SW-9	10/11/2023	5.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	102
SW-10	10/11/2023	1.5	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	208
SW-11	10/11/2023	1.5	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	105
SW-12	10/11/2023	1.5	<50.3	<50.3	<50.3	<50.3	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	112
SW-13	10/11/2023	1.5	<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	129
SW-14	10/11/2023	1.5	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	106
SW-15	10/11/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	125
Regulatory Criteria ^a							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^a - Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(CS) Confirmation Sample
(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 1

Facility: Federal USA J 001 (06.01.2023)

County: Lea County, New Mexico

Description:

View South, area of sample points S-1.



Photograph No. 2

Facility: Federal USA J 001 (06.01.2023)

County: Lea County, New Mexico

Description:

View North, area of sample points (S-2 and S-3).



Photograph No. 3

Facility: Federal USA J 001 (06.01.2023)

County: Lea County, New Mexico

Description:

View North, areas of sample point S-3.



PHOTOGRAPHIC LOG**Concho Operating, LLC****Photograph No. 4****Facility:** Federal USA J 001 (06.01.2023)**County:** Lea County, New Mexico**Description:**

View West, area of confirmation samples (CS-1 and CS-2).

**Photograph No. 5****Facility:** Federal USA J 001 (06.01.2023)**County:** Lea County, New Mexico**Description:**

View West, area of confirmation samples (CS-2 through CS-4).

**Photograph No. 6****Facility:** Federal USA J 001 (06.01.2023)**County:** Eddy County, New Mexico**Description:**

View Northeast, area of confirmation samples (CS-5 through CS-7).



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 7

Facility: Federal USA J 001 (06.01.2023)

County: Lea County, New Mexico

Description:

View North, area of confirmation samples (CS-8 through CS-18).



Photograph No. 8

Facility: Federal USA J 001 (06.01.2023)

County: Lea County, New Mexico

Description:

View Southeast, area of confirmation samples (CS-15 through CS-18).



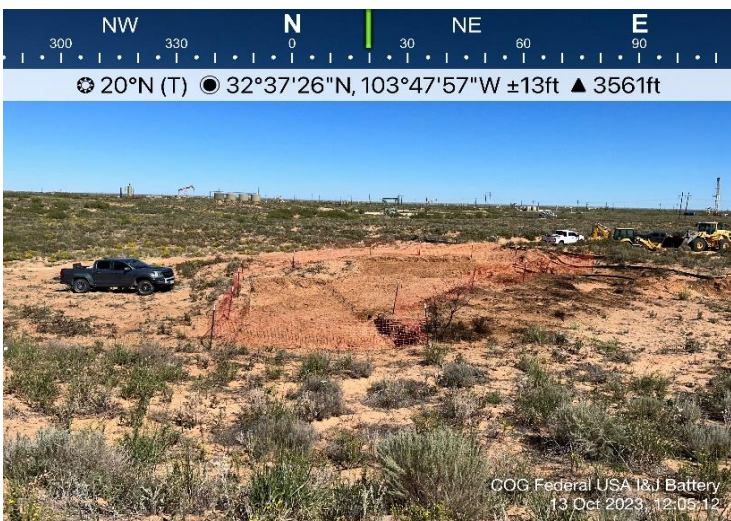
Photograph No. 9

Facility: Federal USA J 001 (06.01.2023)

County: Eddy County, New Mexico

Description:

View North, remediation overview



APPENDIX C

CARMONA RESOURCES



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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

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

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

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

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

Cause of Release

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

☐ The source of the release has been stopped.	
☐ The impacted area has been secured to protect human health and the environment.	
☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
☐ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <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 _____	Title: _____
Signature: <u>Battani Espinoza</u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: _____	Date: _____

Spill Calculation - On-Pad Surface Pool Spill										
<i>Received by OCD: 11/6/2023 9:00:53 AM</i>										<i>Page 21 of 203</i>
Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Average Depth (in.)	Estimated <u>Pool</u> Area (sq. ft.)	Estimated volume of each pool area (bbl.)	Penetration allowance (ft.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture (%)	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
Rectangle A	35	35	0.0	1225.00	0.55	0.00	0.55		0.00	0.55
Rectangle B				0.00	0.00	0.00	0.00		0.00	0.00
Rectangle C				0.00	0.00	0.00	0.00		0.00	0.00
Rectangle D				0.00	0.00	0.00	0.00		0.00	0.00
Rectangle E				0.00	0.00	0.00	0.00		0.00	0.00
Rectangle F				0.00	0.00	0.00	0.00		0.00	0.00
Rectangle G				0.00	0.00	0.00	0.00		0.00	0.00
Rectangle H				0.00	0.00	0.00	0.00		0.00	0.00
Rectangle I				0.00	0.00	0.00	0.00		0.00	0.00
Rectangle J				0.00	0.00	0.00	0.00		0.00	0.00
<i>Released to Imaging: 2/16/2024 11:01:56 AM</i>										
Total Surface Pool Volume Released, Release to Soil/Caliche:							0.5452		0.0000	0.5452

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.

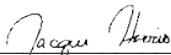
State of New Mexico
Oil Conservation Division

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:  Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells Date: 11/6/2023

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

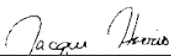
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled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

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

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature:  Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells Date: 11/6/2023

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

Closure Approved by:  Date: 02/16/2024

Printed Name: Scott Rodgers Title: Environmental Specialist Adv.

From: Wells, Shelly, EMNRD
Sent: Tuesday, October 10, 2023 9:23 AM
To: Conner Moehring; Velez, Nelson, EMNRD; Bratcher, Michael, EMNRD
Cc: Mike Carmona; Devin Dominguez; Clint Merritt; Jacqui.Harris@conocophillips.com; Esparza, Brittany
Subject: RE: [EXTERNAL] COG - Federal USA J 001 - Sampling Notification

Good morning Conner,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive | Santa Fe, NM 87505
(505)469-7520 | Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Conner Moehring <Cmoehring@carmonaresources.com>
Sent: Friday, October 6, 2023 5:05 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Mike Carmona <Mcarmona@carmonaresources.com>; Devin Dominguez <Ddominguez@carmonaresources.com>; Clint Merritt <MerrittC@carmonaresources.com>; Jacqui.Harris@conocophillips.com; Esparza, Brittany <Brittany.Esparza@conocophillips.com>
Subject: [EXTERNAL] COG - Federal USA J 001 - Sampling Notification

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

Good Afternoon,

This email is a notification for confirmation sampling for the COG - Federal USA J 001. Sampling is scheduled to begin on Wednesday, October 11th around 11:30 a.m. Mountain Time. Carmona Resources personnel will be on-site to collect the confirmation samples.

Incident No. NAPP2317029121

Please call if you have any questions.

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

CARMONA RESOURCES



APPENDIX D

CARMONA RESOURCES



Nearest water well

COG Operating

Legend

0.50 Mile Radius

0.69 Miles

1.23 Miles

1.56 Miles

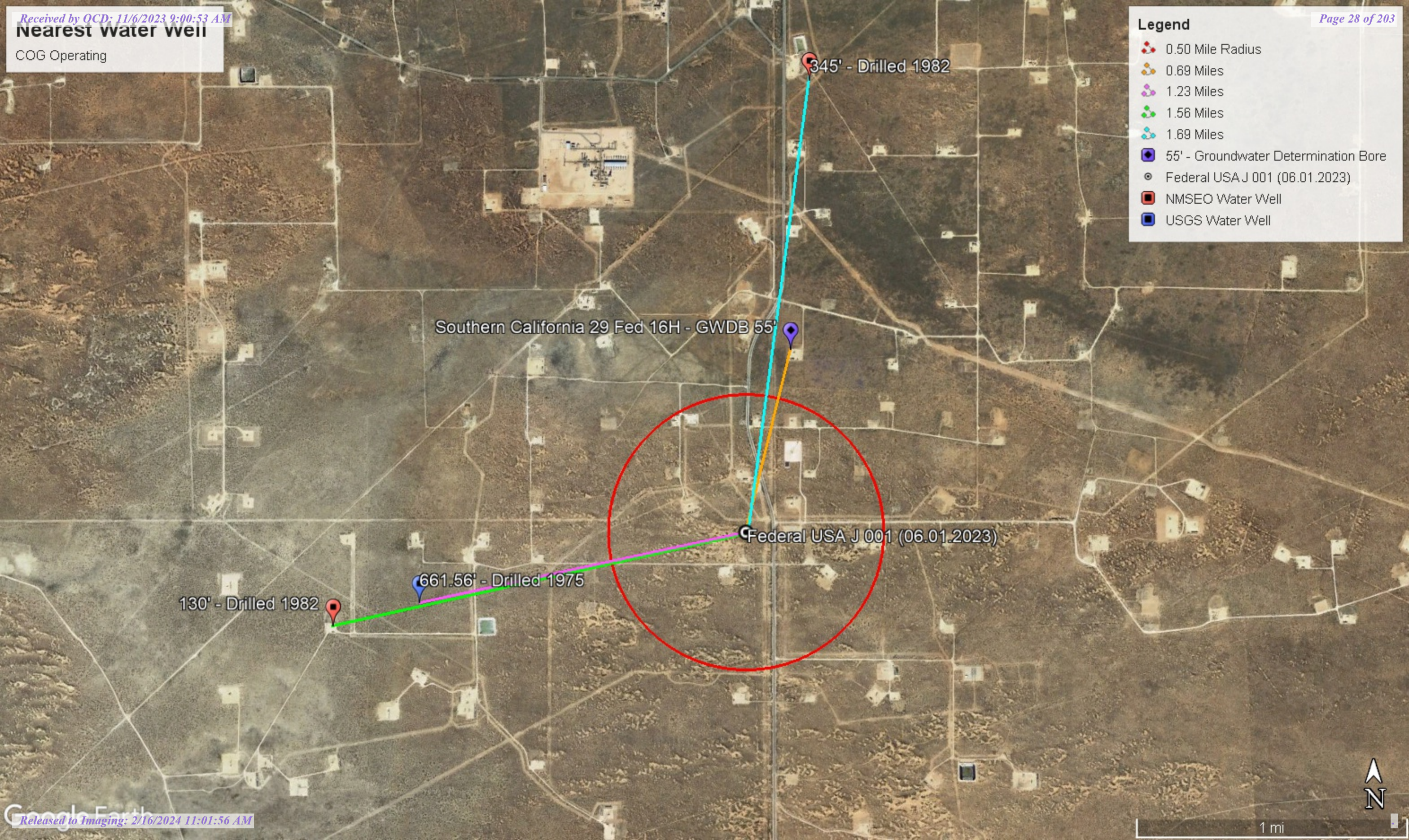
1.69 Miles

55' - Groundwater Determination Bore

Federal USA J 001 (06.01.2023)

NMSEO Water Well

USGS Water Well



Low Karst

COG Operating

Legend

-  Federal USA J 001 (06.01.2023)
-  Low

Federal USA J 001 (06.01.2023)





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 00642 POD1	CP	ED		2	2	25	19S	31E		611025	3611657*	2198	250		
CP 00641 POD1	CP	ED		4	1	36	19S	31E		610247	3609634*	2510	300	130	170
CP 00639 POD1	CP	LE		3	1	20	19S	32E		613029	3612880*	2682	350	345	5
CP 00640 POD1	CP	LE		2	2	19	19S	32E		612621	3613280*	3061	260	102	158
CP 00563 POD1	CP	LE		1	1	2	19	19S	32E	612118	3613376*	3208	300		
CP 01939 POD1	CP	ED		2	4	2	26	19S	31E	609488	3611347	3392			
CP 01656 POD3	CP	LE		3	4	3	17	19S	32E	613374	3613633	3482	30		
CP 01656 POD1	CP	LE		3	4	3	17	19S	32E	613368	3613646	3494	70		
CP 01656 POD2	CP	LE		3	4	3	17	19S	32E	613364	3613648	3495	70		

Average Depth to Water: **192 feet**

Minimum Depth: **102 feet**

Maximum Depth: **345 feet**

Record Count: 9

UTMNAD83 Radius Search (in meters):

Easting (X): 612688

Northing (Y): 3610219

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.

6/19/23 8:33 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

CARMONA RESOURCES



Project Name :	Southern California 29 Federal 16H	Date :	Wednesday, August 31, 2022
Project No. :	1122	Sampler :	A. Thielke
Location :	Lea County, New Mexico	Driller :	Scarborough Drilling
Coordinates :	32.63343, -103.79605	Method :	Air Rotary
Elevation :			

Depth (ft.)	WL	Soil Description	Lithology	Depth (ft.)	WL	Soil Description	Lithology
0		Light Brown/Red Silty Sand. Poorly Cemented.		50		Red Bed Clay w/Sand 70% Clay 30% Sand. Dark Red Dry. Poorly Sorted Poorly Cemented	
3							
5		Well Cemented White/Grey Medium grained Caliche/Gravel w/Silty Sand. Well Sorted.		55			
10		Well Cemented light brown Medium grained Caliche/Gravel w/Silty Sand. Well Sorted.		60		TD: 55'	
15		Red/Brown Silty Sand w/ 20% Caliche/Gravel Fragments. Poorly Cemented. Poorly Sorted.		65			
20				70			
25				75			
30		Light Brown/Pink Silt Sand Poorly Cemented. Poorly Sorted. Very Fine Grained.		80			
35				85			
40				90			
45				95			
50				105			

Comments : Boring terminated at 55' at 10:00 Central Time with no presence of groundwater or moisture, checked for moisture on 9/7/2022. No moisture present.

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? S
				Groundwater	New Mexico	GO	

Click to hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 323712103491001

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

USGS 323712103491001 19S.32E.31.114

Lea County, New Mexico
Latitude 32°37'12", Longitude 103°49'10" NAD27
Land-surface elevation 3,497 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measur
1966-09		M	62610		2974.45	NGVD29	1		Z	
1966-09		M	62611		2976.01	NAVD88	1		Z	
1966-09		M	72019	520.99			1		Z	
1967-07		M	62610		2990.31	NGVD29	1		Z	
1967-07		M	62611		2991.87	NAVD88	1		Z	
1967-07		M	72019	505.13			1		Z	
1967-09		M	62610		2986.43	NGVD29	1		Z	
1967-09		M	62611		2987.99	NAVD88	1		Z	
1967-09		M	72019	509.01			1		Z	
1967-11		M	62610		2982.96	NGVD29	1		Z	
1967-11		M	62611		2984.52	NAVD88	1		Z	
1967-11		M	72019	512.48			1		Z	
1968-01		M	62610		2979.75	NGVD29	1		Z	
1968-01		M	62611		2981.31	NAVD88	1		Z	
1968-01		M	72019	515.69			1		Z	
1968-03		M	62610		2976.92	NGVD29	1		Z	

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	S
1968-03	M	62611	2978.48	NAVD88	1	Z	
1968-03	M	72019	518.52		1	Z	
1968-05	M	62610	2973.44	NGVD29	1	Z	
1968-05	M	62611	2975.00	NAVD88	1	Z	
1968-05	M	72019	522.00		1	Z	
1968-07	M	62610	2968.86	NGVD29	1	Z	
1968-07	M	62611	2970.42	NAVD88	1	Z	
1968-07	M	72019	526.58		1	Z	
1968-09	M	62610	2965.05	NGVD29	1	Z	
1968-09	M	62611	2966.61	NAVD88	1	Z	
1968-09	M	72019	530.39		1	Z	
1968-11	M	62610	2961.60	NGVD29	1	Z	
1968-11	M	62611	2963.16	NAVD88	1	Z	
1968-11	M	72019	533.84		1	Z	
1969-01	M	62610	2958.39	NGVD29	1	Z	
1969-01	M	62611	2959.95	NAVD88	1	Z	
1969-01	M	72019	537.05		1	Z	
1969-03	M	62610	2954.31	NGVD29	1	Z	
1969-03	M	62611	2955.87	NAVD88	1	Z	
1969-03	M	72019	541.13		1	Z	
1969-05	M	62610	2950.86	NGVD29	1	Z	
1969-05	M	62611	2952.42	NAVD88	1	Z	
1969-05	M	72019	544.58		1	Z	
1969-07	M	62610	2947.00	NGVD29	1	Z	
1969-07	M	62611	2948.56	NAVD88	1	Z	
1969-07	M	72019	548.44		1	Z	
1969-09	M	62610	2943.31	NGVD29	1	Z	
1969-09	M	62611	2944.87	NAVD88	1	Z	
1969-09	M	72019	552.13		1	Z	
1969-11	M	62610	2940.77	NGVD29	1	Z	
1969-11	M	62611	2942.33	NAVD88	1	Z	
1969-11	M	72019	554.67		1	Z	
1970-01	M	62610	2938.01	NGVD29	1	Z	
1970-01	M	62611	2939.57	NAVD88	1	Z	
1970-01	M	72019	557.43		1	Z	
1970-03	M	62610	2936.13	NGVD29	1	Z	
1970-03	M	62611	2937.69	NAVD88	1	Z	
1970-03	M	72019	559.31		1	Z	
1970-05	M	62610	2932.48	NGVD29	1	Z	
1970-05	M	62611	2934.04	NAVD88	1	Z	
1970-05	M	72019	562.96		1	Z	
1970-07	M	62610	2928.11	NGVD29	1	Z	
1970-07	M	62611	2929.67	NAVD88	1	Z	
1970-07	M	72019	567.33		1	Z	
1970-09	M	62610	2923.92	NGVD29	1	Z	
1970-09	M	62611	2925.48	NAVD88	1	Z	
1970-09	M	72019	571.52		1	Z	
1970-11	M	62610	2921.27	NGVD29	1	Z	
1970-11	M	62611	2922.83	NAVD88	1	Z	
1970-11	M	72019	574.17		1	Z	

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	S
1971-01	M	62610	2917.43	NGVD29	1	Z	
1971-01	M	62611	2918.99	NAVD88	1	Z	
1971-01	M	72019 578.01			1	Z	
1971-03	M	62610	2914.32	NGVD29	1	Z	
1971-03	M	62611	2915.88	NAVD88	1	Z	
1971-03	M	72019 581.12			1	Z	
1971-05	M	62610	2908.92	NGVD29	1	Z	
1971-05	M	62611	2910.48	NAVD88	1	Z	
1971-05	M	72019 586.52			1	Z	
1971-07	M	62610	2904.68	NGVD29	1	Z	
1971-07	M	62611	2906.24	NAVD88	1	Z	
1971-07	M	72019 590.76			1	Z	
1971-09	M	62610	2901.09	NGVD29	1	Z	
1971-09	M	62611	2902.65	NAVD88	1	Z	
1971-09	M	72019 594.35			1	Z	
1971-11	M	62610	2898.49	NGVD29	1	Z	
1971-11	M	62611	2900.05	NAVD88	1	Z	
1971-11	M	72019 596.95			1	Z	
1972-01	M	62610	2896.02	NGVD29	1	Z	
1972-01	M	62611	2897.58	NAVD88	1	Z	
1972-01	M	72019 599.42			1	Z	
1972-03	M	62610	2893.24	NGVD29	1	Z	
1972-03	M	62611	2894.80	NAVD88	1	Z	
1972-03	M	72019 602.20			1	Z	
1972-05	M	62610	2889.97	NGVD29	1	Z	
1972-05	M	62611	2891.53	NAVD88	1	Z	
1972-05	M	72019 605.47			1	Z	
1972-07	M	62610	2886.81	NGVD29	1	Z	
1972-07	M	62611	2888.37	NAVD88	1	Z	
1972-07	M	72019 608.63			1	Z	
1972-09	M	62610	2884.10	NGVD29	1	Z	
1972-09	M	62611	2885.66	NAVD88	1	Z	
1972-09	M	72019 611.34			1	Z	
1972-11	M	62610	2882.57	NGVD29	1	Z	
1972-11	M	62611	2884.13	NAVD88	1	Z	
1972-11	M	72019 612.87			1	Z	
1973-01	M	62610	2880.52	NGVD29	1	Z	
1973-01	M	62611	2882.08	NAVD88	1	Z	
1973-01	M	72019 614.92			1	Z	
1973-03	M	62610	2879.59	NGVD29	1	Z	
1973-03	M	62611	2881.15	NAVD88	1	Z	
1973-03	M	72019 615.85			1	Z	
1973-05	M	62610	2874.74	NGVD29	1	Z	
1973-05	M	62611	2876.30	NAVD88	1	Z	
1973-05	M	72019 620.70			1	Z	
1973-07	M	62610	2871.78	NGVD29	1	Z	
1973-07	M	62611	2873.34	NAVD88	1	Z	
1973-07	M	72019 623.66			1	Z	
1973-09	M	62610	2865.11	NGVD29	1	Z	
1973-09	M	62611	2866.67	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	? S
1973-09	M	72019	630.33		1	Z	
1973-11	M	62610	2862.56	NGVD29	1	Z	
1973-11	M	62611	2864.12	NAVD88	1	Z	
1973-11	M	72019	632.88		1	Z	
1974-01	M	62610	2859.06	NGVD29	1	Z	
1974-01	M	62611	2860.62	NAVD88	1	Z	
1974-01	M	72019	636.38		1	Z	
1974-03	M	62610	2856.03	NGVD29	1	Z	
1974-03	M	62611	2857.59	NAVD88	1	Z	
1974-03	M	72019	639.41		1	Z	
1974-05	M	62610	2850.30	NGVD29	1	Z	
1974-05	M	62611	2851.86	NAVD88	1	Z	
1974-05	M	72019	645.14		1	Z	
1974-09	M	62610	2844.19	NGVD29	1	Z	
1974-09	M	62611	2845.75	NAVD88	1	Z	
1974-09	M	72019	651.25		1	Z	
1975-03-21	D	62610	2839.65	NGVD29	1	Z	
1975-03-21	D	62611	2841.21	NAVD88	1	Z	
1975-03-21	D	72019	655.79		1	Z	
1975-03-22	D	62610	2839.78	NGVD29	1	Z	
1975-03-22	D	62611	2841.34	NAVD88	1	Z	
1975-03-22	D	72019	655.66		1	Z	
1975-03-23	D	62610	2839.84	NGVD29	1	Z	
1975-03-23	D	62611	2841.40	NAVD88	1	Z	
1975-03-23	D	72019	655.60		1	Z	
1975-03-24	D	62610	2839.59	NGVD29	1	Z	
1975-03-24	D	62611	2841.15	NAVD88	1	Z	
1975-03-24	D	72019	655.85		1	Z	
1975-03-25	D	62610	2839.58	NGVD29	1	Z	
1975-03-25	D	62611	2841.14	NAVD88	1	Z	
1975-03-25	D	72019	655.86		1	Z	
1975-03-26	D	62610	2839.79	NGVD29	1	Z	
1975-03-26	D	62611	2841.35	NAVD88	1	Z	
1975-03-26	D	72019	655.65		1	Z	
1975-03-27	D	62610	2839.74	NGVD29	1	Z	
1975-03-27	D	62611	2841.30	NAVD88	1	Z	
1975-03-27	D	72019	655.70		1	Z	
1975-03-28	D	62610	2839.56	NGVD29	1	Z	
1975-03-28	D	62611	2841.12	NAVD88	1	Z	
1975-03-28	D	72019	655.88		1	Z	
1975-03-29	D	62610	2839.39	NGVD29	1	Z	
1975-03-29	D	62611	2840.95	NAVD88	1	Z	
1975-03-29	D	72019	656.05		1	Z	
1975-03-30	D	62610	2839.34	NGVD29	1	Z	
1975-03-30	D	62611	2840.90	NAVD88	1	Z	
1975-03-30	D	72019	656.10		1	Z	
1975-03-31	D	62610	2839.55	NGVD29	1	Z	
1975-03-31	D	62611	2841.11	NAVD88	1	Z	
1975-03-31	D	72019	655.89		1	Z	
1975-04-01	D	62610	2839.48	NGVD29	1	Z	

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	S
1975-04-01	D	62611	2841.04	NAVD88	1	Z	
1975-04-01	D	72019	655.96		1	Z	
1975-04-02	D	62610	2839.30	NGVD29	1	Z	
1975-04-02	D	62611	2840.86	NAVD88	1	Z	
1975-04-02	D	72019	656.14		1	Z	
1975-04-03	D	62610	2839.15	NGVD29	1	Z	
1975-04-03	D	62611	2840.71	NAVD88	1	Z	
1975-04-03	D	72019	656.29		1	Z	
1975-04-04	D	62610	2839.24	NGVD29	1	Z	
1975-04-04	D	62611	2840.80	NAVD88	1	Z	
1975-04-04	D	72019	656.20		1	Z	
1975-04-05	D	62610	2839.19	NGVD29	1	Z	
1975-04-05	D	62611	2840.75	NAVD88	1	Z	
1975-04-05	D	72019	656.25		1	Z	
1975-04-06	D	62610	2839.21	NGVD29	1	Z	
1975-04-06	D	62611	2840.77	NAVD88	1	Z	
1975-04-06	D	72019	656.23		1	Z	
1975-04-07	D	62610	2839.37	NGVD29	1	Z	
1975-04-07	D	62611	2840.93	NAVD88	1	Z	
1975-04-07	D	72019	656.07		1	Z	
1975-04-08	D	62610	2839.16	NGVD29	1	Z	
1975-04-08	D	62611	2840.72	NAVD88	1	Z	
1975-04-08	D	72019	656.28		1	Z	
1975-04-09	D	62610	2838.96	NGVD29	1	Z	
1975-04-09	D	62611	2840.52	NAVD88	1	Z	
1975-04-09	D	72019	656.48		1	Z	
1975-04-10	D	62610	2839.02	NGVD29	1	Z	
1975-04-10	D	62611	2840.58	NAVD88	1	Z	
1975-04-10	D	72019	656.42		1	Z	
1975-04-11	D	62610	2838.81	NGVD29	1	Z	
1975-04-11	D	62611	2840.37	NAVD88	1	Z	
1975-04-11	D	72019	656.63		1	Z	
1975-04-12	D	62610	2838.82	NGVD29	1	Z	
1975-04-12	D	62611	2840.38	NAVD88	1	Z	
1975-04-12	D	72019	656.62		1	Z	
1975-04-13	D	62610	2838.89	NGVD29	1	Z	
1975-04-13	D	62611	2840.45	NAVD88	1	Z	
1975-04-13	D	72019	656.55		1	Z	
1975-04-14	D	62610	2838.73	NGVD29	1	Z	
1975-04-14	D	62611	2840.29	NAVD88	1	Z	
1975-04-14	D	72019	656.71		1	Z	
1975-04-15	D	62610	2838.69	NGVD29	1	Z	
1975-04-15	D	62611	2840.25	NAVD88	1	Z	
1975-04-15	D	72019	656.75		1	Z	
1975-04-16	D	62610	2838.74	NGVD29	1	Z	
1975-04-16	D	62611	2840.30	NAVD88	1	Z	
1975-04-16	D	72019	656.70		1	Z	
1975-04-17	D	62610	2838.86	NGVD29	1	Z	
1975-04-17	D	62611	2840.42	NAVD88	1	Z	
1975-04-17	D	72019	656.58		1	Z	

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	S
1975-04-18	D	62610	2838.82	NGVD29	1	Z	
1975-04-18	D	62611	2840.38	NAVD88	1	Z	
1975-04-18	D	72019	656.62		1	Z	
1975-04-19	D	62610	2838.51	NGVD29	1	Z	
1975-04-19	D	62611	2840.07	NAVD88	1	Z	
1975-04-19	D	72019	656.93		1	Z	
1975-04-20	D	62610	2838.48	NGVD29	1	Z	
1975-04-20	D	62611	2840.04	NAVD88	1	Z	
1975-04-20	D	72019	656.96		1	Z	
1975-04-21	D	62610	2838.39	NGVD29	1	Z	
1975-04-21	D	62611	2839.95	NAVD88	1	Z	
1975-04-21	D	72019	657.05		1	Z	
1975-04-22	D	62610	2838.41	NGVD29	1	Z	
1975-04-22	D	62611	2839.97	NAVD88	1	Z	
1975-04-22	D	72019	657.03		1	Z	
1975-04-23	D	62610	2838.42	NGVD29	1	Z	
1975-04-23	D	62611	2839.98	NAVD88	1	Z	
1975-04-23	D	72019	657.02		1	Z	
1975-04-24	D	62610	2838.40	NGVD29	1	Z	
1975-04-24	D	62611	2839.96	NAVD88	1	Z	
1975-04-24	D	72019	657.04		1	Z	
1975-04-25	D	62610	2838.38	NGVD29	1	Z	
1975-04-25	D	62611	2839.94	NAVD88	1	Z	
1975-04-25	D	72019	657.06		1	Z	
1975-04-26	D	62610	2838.42	NGVD29	1	Z	
1975-04-26	D	62611	2839.98	NAVD88	1	Z	
1975-04-26	D	72019	657.02		1	Z	
1975-04-27	D	62610	2838.41	NGVD29	1	Z	
1975-04-27	D	62611	2839.97	NAVD88	1	Z	
1975-04-27	D	72019	657.03		1	Z	
1975-04-28	D	62610	2838.27	NGVD29	1	Z	
1975-04-28	D	62611	2839.83	NAVD88	1	Z	
1975-04-28	D	72019	657.17		1	Z	
1975-04-29	D	62610	2838.32	NGVD29	1	Z	
1975-04-29	D	62611	2839.88	NAVD88	1	Z	
1975-04-29	D	72019	657.12		1	Z	
1975-04-30	D	62610	2838.12	NGVD29	1	Z	
1975-04-30	D	62611	2839.68	NAVD88	1	Z	
1975-04-30	D	72019	657.32		1	Z	
1975-05-01	D	62610	2838.03	NGVD29	1	Z	
1975-05-01	D	62611	2839.59	NAVD88	1	Z	
1975-05-01	D	72019	657.41		1	Z	
1975-05-02	D	62610	2838.03	NGVD29	1	Z	
1975-05-02	D	62611	2839.59	NAVD88	1	Z	
1975-05-02	D	72019	657.41		1	Z	
1975-05-03	D	62610	2837.93	NGVD29	1	Z	
1975-05-03	D	62611	2839.49	NAVD88	1	Z	
1975-05-03	D	72019	657.51		1	Z	
1975-05-04	D	62610	2837.98	NGVD29	1	Z	
1975-05-04	D	62611	2839.54	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	? S
1975-05-04	D	72019	657.46		1	Z	
1975-05-05	D	62610	2838.02	NGVD29	1	Z	
1975-05-05	D	62611	2839.58	NAVD88	1	Z	
1975-05-05	D	72019	657.42		1	Z	
1975-05-06	D	62610	2837.91	NGVD29	1	Z	
1975-05-06	D	62611	2839.47	NAVD88	1	Z	
1975-05-06	D	72019	657.53		1	Z	
1975-05-07	D	62610	2837.85	NGVD29	1	Z	
1975-05-07	D	62611	2839.41	NAVD88	1	Z	
1975-05-07	D	72019	657.59		1	Z	
1975-05-08	D	62610	2837.74	NGVD29	1	Z	
1975-05-08	D	62611	2839.30	NAVD88	1	Z	
1975-05-08	D	72019	657.70		1	Z	
1975-05-09	D	62610	2837.63	NGVD29	1	Z	
1975-05-09	D	62611	2839.19	NAVD88	1	Z	
1975-05-09	D	72019	657.81		1	Z	
1975-05-10	D	62610	2837.56	NGVD29	1	Z	
1975-05-10	D	62611	2839.12	NAVD88	1	Z	
1975-05-10	D	72019	657.88		1	Z	
1975-05-11	D	62610	2837.57	NGVD29	1	Z	
1975-05-11	D	62611	2839.13	NAVD88	1	Z	
1975-05-11	D	72019	657.87		1	Z	
1975-05-12	D	62610	2837.62	NGVD29	1	Z	
1975-05-12	D	62611	2839.18	NAVD88	1	Z	
1975-05-12	D	72019	657.82		1	Z	
1975-05-13	D	62610	2837.62	NGVD29	1	Z	
1975-05-13	D	62611	2839.18	NAVD88	1	Z	
1975-05-13	D	72019	657.82		1	Z	
1975-05-14	D	62610	2837.47	NGVD29	1	Z	
1975-05-14	D	62611	2839.03	NAVD88	1	Z	
1975-05-14	D	72019	657.97		1	Z	
1975-05-15	D	62610	2837.41	NGVD29	1	Z	
1975-05-15	D	62611	2838.97	NAVD88	1	Z	
1975-05-15	D	72019	658.03		1	Z	
1975-05-16	D	62610	2837.42	NGVD29	1	Z	
1975-05-16	D	62611	2838.98	NAVD88	1	Z	
1975-05-16	D	72019	658.02		1	Z	
1975-05-17	D	62610	2837.34	NGVD29	1	Z	
1975-05-17	D	62611	2838.90	NAVD88	1	Z	
1975-05-17	D	72019	658.10		1	Z	
1975-05-18	D	62610	2837.26	NGVD29	1	Z	
1975-05-18	D	62611	2838.82	NAVD88	1	Z	
1975-05-18	D	72019	658.18		1	Z	
1975-05-19	D	62610	2837.27	NGVD29	1	Z	
1975-05-19	D	62611	2838.83	NAVD88	1	Z	
1975-05-19	D	72019	658.17		1	Z	
1975-05-20	D	62610	2837.34	NGVD29	1	Z	
1975-05-20	D	62611	2838.90	NAVD88	1	Z	
1975-05-20	D	72019	658.10		1	Z	
1975-05-21	D	62610	2837.22	NGVD29	1	Z	

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	S
1975-05-21	D	62611	2838.78	NAVD88	1	Z	
1975-05-21	D	72019	658.22		1	Z	
1975-05-22	D	62610	2837.21	NGVD29	1	Z	
1975-05-22	D	62611	2838.77	NAVD88	1	Z	
1975-05-22	D	72019	658.23		1	Z	
1975-05-23	D	62610	2837.02	NGVD29	1	Z	
1975-05-23	D	62611	2838.58	NAVD88	1	Z	
1975-05-23	D	72019	658.42		1	Z	
1975-05-24	D	62610	2837.00	NGVD29	1	Z	
1975-05-24	D	62611	2838.56	NAVD88	1	Z	
1975-05-24	D	72019	658.44		1	Z	
1975-05-25	D	62610	2836.99	NGVD29	1	Z	
1975-05-25	D	62611	2838.55	NAVD88	1	Z	
1975-05-25	D	72019	658.45		1	Z	
1975-05-26	D	62610	2836.81	NGVD29	1	Z	
1975-05-26	D	62611	2838.37	NAVD88	1	Z	
1975-05-26	D	72019	658.63		1	Z	
1975-05-27	D	62610	2836.84	NGVD29	1	Z	
1975-05-27	D	62611	2838.40	NAVD88	1	Z	
1975-05-27	D	72019	658.60		1	Z	
1975-05-28	D	62610	2836.97	NGVD29	1	Z	
1975-05-28	D	62611	2838.53	NAVD88	1	Z	
1975-05-28	D	72019	658.47		1	Z	
1975-05-29	D	62610	2836.89	NGVD29	1	Z	
1975-05-29	D	62611	2838.45	NAVD88	1	Z	
1975-05-29	D	72019	658.55		1	Z	
1975-05-30	D	62610	2836.68	NGVD29	1	Z	
1975-05-30	D	62611	2838.24	NAVD88	1	Z	
1975-05-30	D	72019	658.76		1	Z	
1975-05-31	D	62610	2836.67	NGVD29	1	Z	
1975-05-31	D	62611	2838.23	NAVD88	1	Z	
1975-05-31	D	72019	658.77		1	Z	
1975-06-01	D	62610	2836.61	NGVD29	1	Z	
1975-06-01	D	62611	2838.17	NAVD88	1	Z	
1975-06-01	D	72019	658.83		1	Z	
1975-06-02	D	62610	2836.51	NGVD29	1	Z	
1975-06-02	D	62611	2838.07	NAVD88	1	Z	
1975-06-02	D	72019	658.93		1	Z	
1975-06-03	D	62610	2836.56	NGVD29	1	Z	
1975-06-03	D	62611	2838.12	NAVD88	1	Z	
1975-06-03	D	72019	658.88		1	Z	
1975-06-04	D	62610	2836.55	NGVD29	1	Z	
1975-06-04	D	62611	2838.11	NAVD88	1	Z	
1975-06-04	D	72019	658.89		1	Z	
1975-06-05	D	62610	2836.44	NGVD29	1	Z	
1975-06-05	D	62611	2838.00	NAVD88	1	Z	
1975-06-05	D	72019	659.00		1	Z	
1975-06-06	D	62610	2836.34	NGVD29	1	Z	
1975-06-06	D	62611	2837.90	NAVD88	1	Z	
1975-06-06	D	72019	659.10		1	Z	

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	S
1975-06-07	D	62610	2836.31	NGVD29	1	Z	
1975-06-07	D	62611	2837.87	NAVD88	1	Z	
1975-06-07	D	72019 659.13			1	Z	
1975-06-08	D	62610	2836.28	NGVD29	1	Z	
1975-06-08	D	62611	2837.84	NAVD88	1	Z	
1975-06-08	D	72019 659.16			1	Z	
1975-06-09	D	62610	2836.23	NGVD29	1	Z	
1975-06-09	D	62611	2837.79	NAVD88	1	Z	
1975-06-09	D	72019 659.21			1	Z	
1975-06-10	D	62610	2836.09	NGVD29	1	Z	
1975-06-10	D	62611	2837.65	NAVD88	1	Z	
1975-06-10	D	72019 659.35			1	Z	
1975-06-11	D	62610	2835.94	NGVD29	1	Z	
1975-06-11	D	62611	2837.50	NAVD88	1	Z	
1975-06-11	D	72019 659.50			1	Z	
1975-06-13	D	62610	2835.91	NGVD29	1	Z	
1975-06-13	D	62611	2837.47	NAVD88	1	Z	
1975-06-13	D	72019 659.53			1	Z	
1975-06-14	D	62610	2835.92	NGVD29	1	Z	
1975-06-14	D	62611	2837.48	NAVD88	1	Z	
1975-06-14	D	72019 659.52			1	Z	
1975-06-15	D	62610	2835.83	NGVD29	1	Z	
1975-06-15	D	62611	2837.39	NAVD88	1	Z	
1975-06-15	D	72019 659.61			1	Z	
1975-06-16	D	62610	2835.87	NGVD29	1	Z	
1975-06-16	D	62611	2837.43	NAVD88	1	Z	
1975-06-16	D	72019 659.57			1	Z	
1975-06-17	D	62610	2835.83	NGVD29	1	Z	
1975-06-17	D	62611	2837.39	NAVD88	1	Z	
1975-06-17	D	72019 659.61			1	Z	
1975-06-18	D	62610	2835.77	NGVD29	1	Z	
1975-06-18	D	62611	2837.33	NAVD88	1	Z	
1975-06-18	D	72019 659.67			1	Z	
1975-06-19	D	62610	2835.57	NGVD29	1	Z	
1975-06-19	D	62611	2837.13	NAVD88	1	Z	
1975-06-19	D	72019 659.87			1	Z	
1975-06-20	D	62610	2835.47	NGVD29	1	Z	
1975-06-20	D	62611	2837.03	NAVD88	1	Z	
1975-06-20	D	72019 659.97			1	Z	
1975-06-21	D	62610	2835.43	NGVD29	1	Z	
1975-06-21	D	62611	2836.99	NAVD88	1	Z	
1975-06-21	D	72019 660.01			1	Z	
1975-06-22	D	62610	2835.35	NGVD29	1	Z	
1975-06-22	D	62611	2836.91	NAVD88	1	Z	
1975-06-22	D	72019 660.09			1	Z	
1975-06-23	D	62610	2835.22	NGVD29	1	Z	
1975-06-23	D	62611	2836.78	NAVD88	1	Z	
1975-06-23	D	72019 660.22			1	Z	
1975-06-24	D	62610	2835.12	NGVD29	1	Z	
1975-06-24	D	62611	2836.68	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	? S
1975-06-24	D	72019	660.32		1	Z	
1975-06-25	D	62610	2835.16	NGVD29	1	Z	
1975-06-25	D	62611	2836.72	NAVD88	1	Z	
1975-06-25	D	72019	660.28		1	Z	
1975-06-26	D	62610	2835.16	NGVD29	1	Z	
1975-06-26	D	62611	2836.72	NAVD88	1	Z	
1975-06-26	D	72019	660.28		1	Z	
1975-06-27	D	62610	2835.08	NGVD29	1	Z	
1975-06-27	D	62611	2836.64	NAVD88	1	Z	
1975-06-27	D	72019	660.36		1	Z	
1975-06-28	D	62610	2835.02	NGVD29	1	Z	
1975-06-28	D	62611	2836.58	NAVD88	1	Z	
1975-06-28	D	72019	660.42		1	Z	
1975-06-29	D	62610	2834.91	NGVD29	1	Z	
1975-06-29	D	62611	2836.47	NAVD88	1	Z	
1975-06-29	D	72019	660.53		1	Z	
1975-06-30	D	62610	2834.79	NGVD29	1	Z	
1975-06-30	D	62611	2836.35	NAVD88	1	Z	
1975-06-30	D	72019	660.65		1	Z	
1975-07-01	D	62610	2834.71	NGVD29	1	Z	
1975-07-01	D	62611	2836.27	NAVD88	1	Z	
1975-07-01	D	72019	660.73		1	Z	
1975-07-02	D	62610	2834.62	NGVD29	1	Z	
1975-07-02	D	62611	2836.18	NAVD88	1	Z	
1975-07-02	D	72019	660.82		1	Z	
1975-07-03	D	62610	2834.56	NGVD29	1	Z	
1975-07-03	D	62611	2836.12	NAVD88	1	Z	
1975-07-03	D	72019	660.88		1	Z	
1975-07-04	D	62610	2834.49	NGVD29	1	Z	
1975-07-04	D	62611	2836.05	NAVD88	1	Z	
1975-07-04	D	72019	660.95		1	Z	
1975-07-05	D	62610	2834.50	NGVD29	1	Z	
1975-07-05	D	62611	2836.06	NAVD88	1	Z	
1975-07-05	D	72019	660.94		1	Z	
1975-07-06	D	62610	2834.51	NGVD29	1	Z	
1975-07-06	D	62611	2836.07	NAVD88	1	Z	
1975-07-06	D	72019	660.93		1	Z	
1975-07-07	D	62610	2834.42	NGVD29	1	Z	
1975-07-07	D	62611	2835.98	NAVD88	1	Z	
1975-07-07	D	72019	661.02		1	Z	
1975-07-08	D	62610	2834.31	NGVD29	1	Z	
1975-07-08	D	62611	2835.87	NAVD88	1	Z	
1975-07-08	D	72019	661.13		1	Z	
1975-07-09	D	62610	2834.29	NGVD29	1	Z	
1975-07-09	D	62611	2835.85	NAVD88	1	Z	
1975-07-09	D	72019	661.15		1	Z	
1975-07-10	D	62610	2834.28	NGVD29	1	Z	
1975-07-10	D	62611	2835.84	NAVD88	1	Z	
1975-07-10	D	72019	661.16		1	Z	
1975-07-11	D	62610	2834.23	NGVD29	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
1975-07-11	D	62611	2835.79	NAVD88	1	Z	
1975-07-11	D	72019	661.21		1	Z	
1975-07-12	D	62610	2834.22	NGVD29	1	Z	
1975-07-12	D	62611	2835.78	NAVD88	1	Z	
1975-07-12	D	72019	661.22		1	Z	
1975-07-13	D	62610	2834.15	NGVD29	1	Z	
1975-07-13	D	62611	2835.71	NAVD88	1	Z	
1975-07-13	D	72019	661.29		1	Z	
1975-07-14	D	62610	2834.10	NGVD29	1	Z	
1975-07-14	D	62611	2835.66	NAVD88	1	Z	
1975-07-14	D	72019	661.34		1	Z	
1975-07-15	D	62610	2833.99	NGVD29	1	Z	
1975-07-15	D	62611	2835.55	NAVD88	1	Z	
1975-07-15	D	72019	661.45		1	Z	
1975-07-16	D	62610	2833.93	NGVD29	1	Z	
1975-07-16	D	62611	2835.49	NAVD88	1	Z	
1975-07-16	D	72019	661.51		1	Z	
1975-07-17	D	62610	2833.88	NGVD29	1	Z	
1975-07-17	D	62611	2835.44	NAVD88	1	Z	
1975-07-17	D	72019	661.56		1	Z	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	M	Date is accurate to the Month
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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Page Last Modified: 2023-06-19 10:39:40 EDT

0.37 0.33 nadww01



Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? S
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New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)						(quarters are smallest to largest)		(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y				
	CP 00641 POD1	4	1	36	19S	31E	610247	3609634*					
x													
Driller License:	882	Driller Company:				LARRY'S DRILLING & PUMP CO.							
Driller Name:	FELKINS, LARRY												
Drill Start Date:	02/11/1982	Drill Finish Date:				02/12/1982		Plug Date:					
Log File Date:	02/23/1982	PCW Rcv Date:						Source:		Shallow			
Pump Type:		Pipe Discharge Size:						Estimated Yield:					
Casing Size:		Depth Well:				300 feet		Depth Water:		130 feet			
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/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)		(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 00639 POD1	3	1	20	19S	32E	613029	3612880*	
Driller License: 882		Driller Company: LARRY'S DRILLING & PUMP CO.							
Driller Name: FELKINS, LARRY									
Drill Start Date: 02/09/1982		Drill Finish Date: 02/10/1982				Plug Date:			
Log File Date: 03/23/1982		PCW Rev Date:				Source: Shallow			
Pump Type:		Pipe Discharge Size:				Estimated Yield:			
Casing Size:		Depth Well: 350 feet				Depth Water: 345 feet			

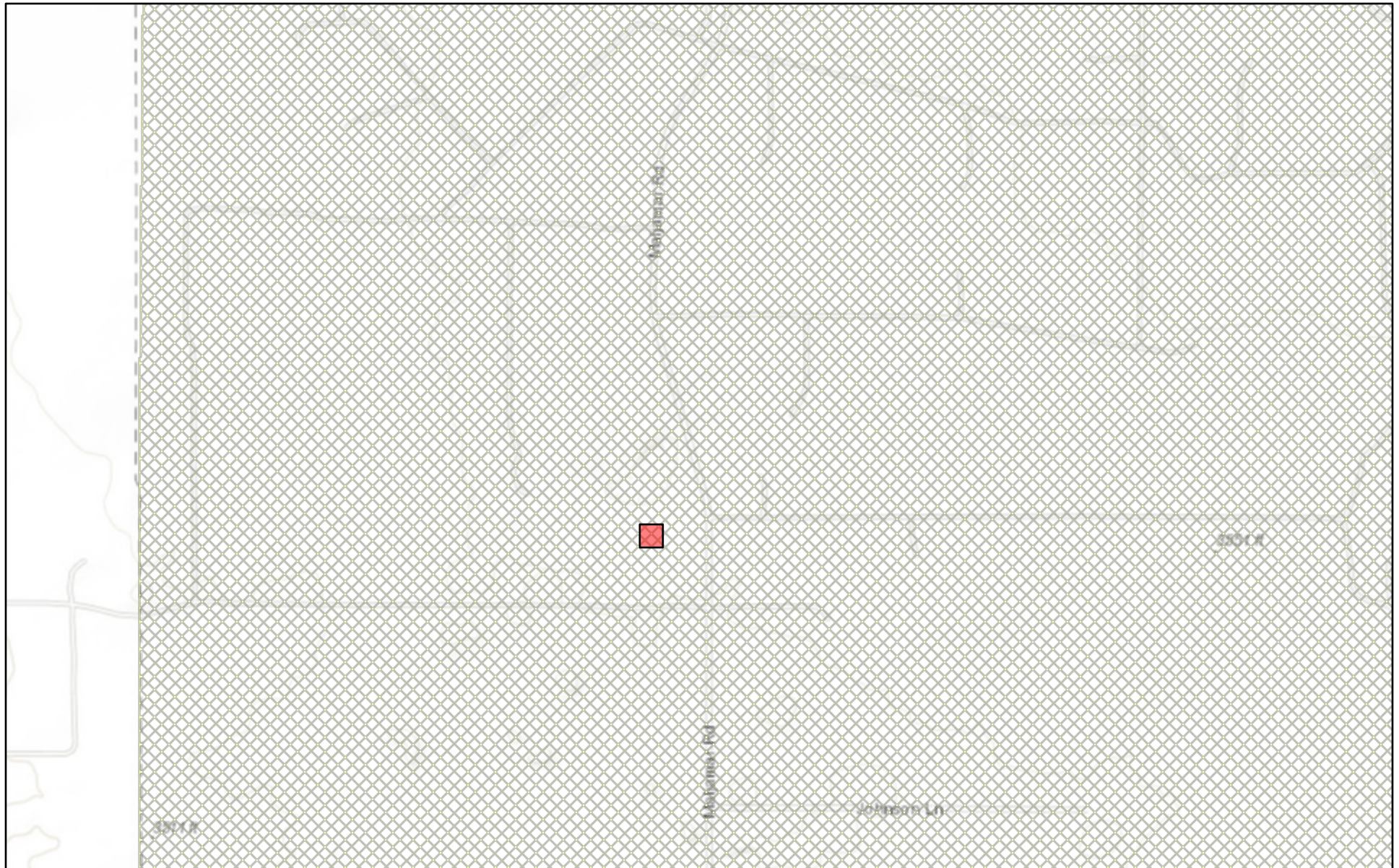
*UTM location was derived from PLSS - see Help

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.

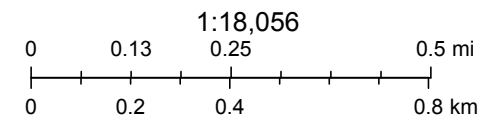
6/19/23 8:36 AM

POINT OF DIVERSION SUMMARY

New Mexico NFHL Data



June 19, 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 6/27/2023 9:54:38 AM

JOB DESCRIPTION

Firefox USA J 001 (06.01.23)
SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-29950-1

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
6/27/2023 9:54:38 AM

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

Client: Carmona Resources
Project/Site: Firefox USA J 001 (06.01.23)

Laboratory Job ID: 880-29950-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Firefox USA J 001 (06.01.23)

Job ID: 880-29950-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
S1-	Surrogate recovery exceeds control limits, low 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.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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: Firefox USA J 001 (06.01.23)

Job ID: 880-29950-1
SDG: Lea County, New Mexico

Job ID: 880-29950-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-29950-1****Receipt**

The samples were received on 6/23/2023 11:01 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.5°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-29950-1), H-2 (0-0.5') (880-29950-2), H-3 (0-0.5') (880-29950-3), H-4 (0-0.5') (880-29950-4), H-5 (0-0.5') (880-29950-5) and H-6 (0-0.5') (880-29950-6).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-56153 and 880-56203 and analytical batch 880-56148 was outside the control limits.

Method 8021B: The laboratory control sample duplicate (LCSD) associated with preparation batch 880-56203 and analytical batch 880-56148 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (880-29951-A-1-C). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-56226 and analytical batch 880-56309 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 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-56309 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10. An acceptable CCV was ran within the 12 hour window therefore the data was qualified and reported. The associated sample is impacted: (CCV 880-56309/31).

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

HPLC/IC

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

Client Sample Results

Client: Carmona Resources
Project/Site: Firefox USA J 001 (06.01.23)

Job ID: 880-29950-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-29950-1

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U **	0.00201		mg/Kg		06/23/23 11:53	06/23/23 22:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/23/23 11:53	06/23/23 22:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/23/23 11:53	06/23/23 22:50	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/23/23 11:53	06/23/23 22:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/23/23 11:53	06/23/23 22:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/23/23 11:53	06/23/23 22:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	06/23/23 11:53	06/23/23 22:50	1
1,4-Difluorobenzene (Surr)	90		70 - 130	06/23/23 11:53	06/23/23 22:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/26/23 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/27/23 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/23/23 15:55	06/27/23 02:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/23/23 15:55	06/27/23 02:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/23/23 15:55	06/27/23 02:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	06/23/23 15:55	06/27/23 02:53	1
o-Terphenyl	93		70 - 130	06/23/23 15:55	06/27/23 02:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.4		4.99		mg/Kg			06/24/23 00:20	1

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

Lab Sample ID: 880-29950-2

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U **	0.00201		mg/Kg		06/23/23 11:53	06/23/23 23:11	1
Toluene	0.00285		0.00201		mg/Kg		06/23/23 11:53	06/23/23 23:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/23/23 11:53	06/23/23 23:11	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/23/23 11:53	06/23/23 23:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/23/23 11:53	06/23/23 23:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/23/23 11:53	06/23/23 23:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	06/23/23 11:53	06/23/23 23:11	1
1,4-Difluorobenzene (Surr)	78		70 - 130	06/23/23 11:53	06/23/23 23:11	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Firefox USA J 001 (06.01.23)

Job ID: 880-29950-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-29950-2

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/26/23 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/27/23 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/23/23 15:55	06/27/23 03:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/23/23 15:55	06/27/23 03:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/23/23 15:55	06/27/23 03:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				06/23/23 15:55	06/27/23 03:14	1
o-Terphenyl	96		70 - 130				06/23/23 15:55	06/27/23 03:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.0		4.96		mg/Kg			06/24/23 00:37	1

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

Lab Sample ID: 880-29950-3

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U **	0.00202		mg/Kg		06/23/23 11:53	06/23/23 23:32	1
Toluene	0.00725		0.00202		mg/Kg		06/23/23 11:53	06/23/23 23:32	1
Ethylbenzene	0.00316		0.00202		mg/Kg		06/23/23 11:53	06/23/23 23:32	1
m-Xylene & p-Xylene	0.00628		0.00403		mg/Kg		06/23/23 11:53	06/23/23 23:32	1
o-Xylene	0.00328		0.00202		mg/Kg		06/23/23 11:53	06/23/23 23:32	1
Xylenes, Total	0.00956		0.00403		mg/Kg		06/23/23 11:53	06/23/23 23:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				06/23/23 11:53	06/23/23 23:32	1
1,4-Difluorobenzene (Surr)	89		70 - 130				06/23/23 11:53	06/23/23 23:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0200		0.00403		mg/Kg			06/26/23 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/27/23 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/23/23 15:55	06/27/23 03:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/23/23 15:55	06/27/23 03:35	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Firefox USA J 001 (06.01.23)

Job ID: 880-29950-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-29950-3

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

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		06/23/23 15:55	06/27/23 03:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				06/23/23 15:55	06/27/23 03:35	1
o-Terphenyl	96		70 - 130				06/23/23 15:55	06/27/23 03:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.6		5.03		mg/Kg			06/24/23 00:43	1

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

Lab Sample ID: 880-29950-4

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *	0.00198		mg/Kg		06/23/23 11:53	06/23/23 23:52	1
Toluene	0.00348		0.00198		mg/Kg		06/23/23 11:53	06/23/23 23:52	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/23/23 11:53	06/23/23 23:52	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/23/23 11:53	06/23/23 23:52	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/23/23 11:53	06/23/23 23:52	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/23/23 11:53	06/23/23 23:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130				06/23/23 11:53	06/23/23 23:52	1
1,4-Difluorobenzene (Surr)	91		70 - 130				06/23/23 11:53	06/23/23 23:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/26/23 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/27/23 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/23/23 15:55	06/27/23 03:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/23/23 15:55	06/27/23 03:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/23/23 15:55	06/27/23 03:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				06/23/23 15:55	06/27/23 03:56	1
o-Terphenyl	92		70 - 130				06/23/23 15:55	06/27/23 03:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	79.5		5.02		mg/Kg			06/24/23 00:49	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Firefox USA J 001 (06.01.23)

Job ID: 880-29950-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-29950-5

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199		mg/Kg		06/23/23 11:53	06/24/23 00:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/23/23 11:53	06/24/23 00:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/23/23 11:53	06/24/23 00:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/23/23 11:53	06/24/23 00:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/23/23 11:53	06/24/23 00:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/23/23 11:53	06/24/23 00:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	06/23/23 11:53	06/24/23 00:13	1
1,4-Difluorobenzene (Surr)	80		70 - 130	06/23/23 11:53	06/24/23 00:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/26/23 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	117		49.9		mg/Kg			06/27/23 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/23/23 15:55	06/27/23 05:44	1
Diesel Range Organics (Over C10-C28)	117		49.9		mg/Kg		06/23/23 15:55	06/27/23 05:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/23/23 15:55	06/27/23 05:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	06/23/23 15:55	06/27/23 05:44	1
o-Terphenyl	97		70 - 130	06/23/23 15:55	06/27/23 05:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	507		5.00		mg/Kg			06/24/23 00:55	1

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

Lab Sample ID: 880-29950-6

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U **	0.00201		mg/Kg		06/23/23 11:53	06/24/23 00:33	1
Toluene	0.00379		0.00201		mg/Kg		06/23/23 11:53	06/24/23 00:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/23/23 11:53	06/24/23 00:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/23/23 11:53	06/24/23 00:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/23/23 11:53	06/24/23 00:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/23/23 11:53	06/24/23 00:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	06/23/23 11:53	06/24/23 00:33	1
1,4-Difluorobenzene (Surr)	81		70 - 130	06/23/23 11:53	06/24/23 00:33	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Firefox USA J 001 (06.01.23)

Job ID: 880-29950-1
SDG: Lea County, New Mexico

Client Sample ID: H-6 (0-0.5')
Date Collected: 06/22/23 00:00
Date Received: 06/23/23 11:01

Lab Sample ID: 880-29950-6
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/26/23 09:17	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.0	U	50.0		mg/Kg			06/27/23 10:35	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/23/23 15:55	06/27/23 06:05	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/23/23 15:55	06/27/23 06:05	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/23/23 15:55	06/27/23 06:05	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	88		70 - 130				06/23/23 15:55	06/27/23 06:05	1	
o-Terphenyl	89		70 - 130				06/23/23 15:55	06/27/23 06:05	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	117		4.96		mg/Kg			06/24/23 01:12	1	

Surrogate Summary

Client: Carmona Resources
Project/Site: Firefox USA J 001 (06.01.23)

Job ID: 880-29950-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-29950-1	H-1 (0-0.5')	85	90
880-29950-1 MS	H-1 (0-0.5')	111	114
880-29950-1 MSD	H-1 (0-0.5')	104	112
880-29950-2	H-2 (0-0.5')	86	78
880-29950-3	H-3 (0-0.5')	98	89
880-29950-4	H-4 (0-0.5')	80	91
880-29950-5	H-5 (0-0.5')	88	80
880-29950-6	H-6 (0-0.5')	89	81
LCS 880-56203/1-A	Lab Control Sample	96	111
LCSD 880-56203/2-A	Lab Control Sample Dup	101	114
MB 880-56153/5-A	Method Blank	65 S1-	99
MB 880-56203/5-A	Method Blank	67 S1-	96
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)
880-29950-1	H-1 (0-0.5')	94	93
880-29950-2	H-2 (0-0.5')	93	96
880-29950-3	H-3 (0-0.5')	93	96
880-29950-4	H-4 (0-0.5')	90	92
880-29950-5	H-5 (0-0.5')	95	97
880-29950-6	H-6 (0-0.5')	88	89
880-29951-A-1-D MS	Matrix Spike	103	96
LCS 880-56226/2-A	Lab Control Sample	96	97
LCSD 880-56226/3-A	Lab Control Sample Dup	92	90
MB 880-56226/1-A	Method Blank	109	117
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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
880-29951-A-1-E MSD	Matrix Spike Duplicate		
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: Carmona Resources
Project/Site: Firefox USA J 001 (06.01.23)

Job ID: 880-29950-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-56153/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 56148							Prep Batch: 56153		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/23/23 08:56	06/23/23 11:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/23/23 08:56	06/23/23 11:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/23/23 08:56	06/23/23 11:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/23/23 08:56	06/23/23 11:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/23/23 08:56	06/23/23 11:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/23/23 08:56	06/23/23 11:20	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	65	S1-	70 - 130				06/23/23 08:56	06/23/23 11:20	1
1,4-Difluorobenzene (Surr)	99		70 - 130				06/23/23 08:56	06/23/23 11:20	1

Lab Sample ID: MB 880-56203/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 56148							Prep Batch: 56203		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/23/23 11:53	06/23/23 22:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/23/23 11:53	06/23/23 22:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/23/23 11:53	06/23/23 22:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/23/23 11:53	06/23/23 22:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/23/23 11:53	06/23/23 22:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/23/23 11:53	06/23/23 22:29	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67	S1-	70 - 130				06/23/23 11:53	06/23/23 22:29	1
1,4-Difluorobenzene (Surr)	96		70 - 130				06/23/23 11:53	06/23/23 22:29	1

Lab Sample ID: LCS 880-56203/1-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 56148							Prep Batch: 56203		
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.100	0.1197		mg/Kg		120	70 - 130		
Toluene	0.100	0.1078		mg/Kg		108	70 - 130		
Ethylbenzene	0.100	0.1050		mg/Kg		105	70 - 130		
m-Xylene & p-Xylene	0.200	0.2163		mg/Kg		108	70 - 130		
o-Xylene	0.100	0.1043		mg/Kg		104	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	96		70 - 130						
1,4-Difluorobenzene (Surr)	111		70 - 130						

Lab Sample ID: LCSD 880-56203/2-A							Client Sample ID: Lab Control Sample Dup				
Matrix: Solid							Prep Type: Total/NA				
Analysis Batch: 56148							Prep Batch: 56203				
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limits		
Benzene	0.100	0.1349	*+	mg/Kg		135	70 - 130	12	35		

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QC Sample Results

Client: Carmona Resources
Project/Site: Firefox USA J 001 (06.01.23)

Job ID: 880-29950-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-56203/2-A

Matrix: Solid

Analysis Batch: 56148

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56203

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.1183		mg/Kg		118	70 - 130	9	35
Ethylbenzene	0.100	0.1179		mg/Kg		118	70 - 130	12	35
m-Xylene & p-Xylene	0.200	0.2430		mg/Kg		122	70 - 130	12	35
o-Xylene	0.100	0.1169		mg/Kg		117	70 - 130	11	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Lab Sample ID: 880-29950-1 MS

Matrix: Solid

Analysis Batch: 56148

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

Prep Type: Total/NA

Prep Batch: 56203

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U *	0.101	0.1261		mg/Kg		125	70 - 130
Toluene	<0.00201	U	0.101	0.1147		mg/Kg		112	70 - 130
Ethylbenzene	<0.00201	U	0.101	0.1189		mg/Kg		118	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.202	0.2419		mg/Kg		120	70 - 130
o-Xylene	<0.00201	U	0.101	0.1159		mg/Kg		115	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Lab Sample ID: 880-29950-1 MSD

Matrix: Solid

Analysis Batch: 56148

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

Prep Type: Total/NA

Prep Batch: 56203

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U *	0.0998	0.1276		mg/Kg		128	70 - 130	1	35
Toluene	<0.00201	U	0.0998	0.1192		mg/Kg		118	70 - 130	4	35
Ethylbenzene	<0.00201	U	0.0998	0.1142		mg/Kg		114	70 - 130	4	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2337		mg/Kg		117	70 - 130	3	35
o-Xylene	<0.00201	U	0.0998	0.1122		mg/Kg		112	70 - 130	3	35

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

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

Lab Sample ID: MB 880-56226/1-A

Matrix: Solid

Analysis Batch: 56309

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56226

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/23/23 15:55	06/26/23 23:01	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Firefox USA J 001 (06.01.23)

Job ID: 880-29950-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-56226/1-A

Matrix: Solid

Analysis Batch: 56309

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56226

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/23/23 15:55	06/26/23 23:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/23/23 15:55	06/26/23 23:01	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				06/23/23 15:55	06/26/23 23:01	1
o-Terphenyl	117		70 - 130				06/23/23 15:55	06/26/23 23:01	1

Lab Sample ID: LCS 880-56226/2-A

Matrix: Solid

Analysis Batch: 56309

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56226

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	876.1		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	1000	980.0		mg/Kg		98	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	96		70 - 130				
o-Terphenyl	97		70 - 130				

Lab Sample ID: LCSD 880-56226/3-A

Matrix: Solid

Analysis Batch: 56309

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56226

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	887.0		mg/Kg		89	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	979.1		mg/Kg		98	70 - 130	0	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	92		70 - 130						
o-Terphenyl	90		70 - 130						

Lab Sample ID: 880-29951-A-1-D MS

Matrix: Solid

Analysis Batch: 56309

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 56226

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	1274		mg/Kg		127	70 - 130
Diesel Range Organics (Over C10-C28)	496	F1	1000	1124	F1	mg/Kg		63	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	103		70 - 130						
o-Terphenyl	96		70 - 130						

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QC Sample Results

Client: Carmona Resources
Project/Site: Firefox USA J 001 (06.01.23)

Job ID: 880-29950-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-29951-A-1-E MSD

Matrix: Solid

Analysis Batch: 56309

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 56226

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	991.1		mg/Kg					
Diesel Range Organics (Over C10-C28)	496	F1	998	1065		mg/Kg					
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane											
o-Terphenyl											

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-56214/1-A

Matrix: Solid

Analysis Batch: 56236

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			06/24/23 00:03	1

Lab Sample ID: LCS 880-56214/2-A

Matrix: Solid

Analysis Batch: 56236

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	252.2		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-56214/3-A

Matrix: Solid

Analysis Batch: 56236

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	252.1		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-29950-1 MS

Matrix: Solid

Analysis Batch: 56236

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	64.4		250	296.5		mg/Kg		93	90 - 110

Lab Sample ID: 880-29950-1 MSD

Matrix: Solid

Analysis Batch: 56236

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	64.4		250	295.4		mg/Kg		93	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Firefox USA J 001 (06.01.23)

Job ID: 880-29950-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 56148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29950-1	H-1 (0-0.5')	Total/NA	Solid	8021B	56203
880-29950-2	H-2 (0-0.5')	Total/NA	Solid	8021B	56203
880-29950-3	H-3 (0-0.5')	Total/NA	Solid	8021B	56203
880-29950-4	H-4 (0-0.5')	Total/NA	Solid	8021B	56203
880-29950-5	H-5 (0-0.5')	Total/NA	Solid	8021B	56203
880-29950-6	H-6 (0-0.5')	Total/NA	Solid	8021B	56203
MB 880-56153/5-A	Method Blank	Total/NA	Solid	8021B	56153
MB 880-56203/5-A	Method Blank	Total/NA	Solid	8021B	56203
LCS 880-56203/1-A	Lab Control Sample	Total/NA	Solid	8021B	56203
LCSD 880-56203/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	56203
880-29950-1 MS	H-1 (0-0.5')	Total/NA	Solid	8021B	56203
880-29950-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8021B	56203

Prep Batch: 56153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-56153/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 56203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29950-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-29950-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-29950-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-29950-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-29950-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-29950-6	H-6 (0-0.5')	Total/NA	Solid	5035	
MB 880-56203/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-56203/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-56203/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-29950-1 MS	H-1 (0-0.5')	Total/NA	Solid	5035	
880-29950-1 MSD	H-1 (0-0.5')	Total/NA	Solid	5035	

Analysis Batch: 56286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29950-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-29950-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-29950-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-29950-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-29950-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-29950-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 56226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29950-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-29950-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-29950-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-29950-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-29950-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-29950-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-56226/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Firefox USA J 001 (06.01.23)

Job ID: 880-29950-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 56226 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-56226/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-56226/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-29951-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-29951-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 56309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29950-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	56226
880-29950-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	56226
880-29950-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	56226
880-29950-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	56226
880-29950-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	56226
880-29950-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	56226
MB 880-56226/1-A	Method Blank	Total/NA	Solid	8015B NM	56226
LCS 880-56226/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	56226
LCSD 880-56226/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	56226
880-29951-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	56226
880-29951-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	56226

Analysis Batch: 56405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29950-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-29950-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-29950-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-29950-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-29950-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-29950-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 56214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29950-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-29950-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-29950-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-29950-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-29950-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-29950-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-56214/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-56214/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-56214/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-29950-1 MS	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-29950-1 MSD	H-1 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 56236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29950-1	H-1 (0-0.5')	Soluble	Solid	300.0	56214
880-29950-2	H-2 (0-0.5')	Soluble	Solid	300.0	56214
880-29950-3	H-3 (0-0.5')	Soluble	Solid	300.0	56214
880-29950-4	H-4 (0-0.5')	Soluble	Solid	300.0	56214
880-29950-5	H-5 (0-0.5')	Soluble	Solid	300.0	56214

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Firefox USA J 001 (06.01.23)

Job ID: 880-29950-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 56236 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29950-6	H-6 (0-0.5')	Soluble	Solid	300.0	56214
MB 880-56214/1-A	Method Blank	Soluble	Solid	300.0	56214
LCS 880-56214/2-A	Lab Control Sample	Soluble	Solid	300.0	56214
LCSD 880-56214/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	56214
880-29950-1 MS	H-1 (0-0.5')	Soluble	Solid	300.0	56214
880-29950-1 MSD	H-1 (0-0.5')	Soluble	Solid	300.0	56214

Lab Chronicle

Client: Carmona Resources
Project/Site: Firefox USA J 001 (06.01.23)

Job ID: 880-29950-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-29950-1

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	56203	06/23/23 11:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56148	06/23/23 22:50	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56286	06/26/23 09:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			56405	06/27/23 10:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	56226	06/23/23 15:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56309	06/27/23 02:53	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	56214	06/23/23 14:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56236	06/24/23 00:20	CH	EET MID

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

Lab Sample ID: 880-29950-2

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	56203	06/23/23 11:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56148	06/23/23 23:11	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56286	06/26/23 09:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			56405	06/27/23 10:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56226	06/23/23 15:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56309	06/27/23 03:14	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	56214	06/23/23 14:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56236	06/24/23 00:37	CH	EET MID

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

Lab Sample ID: 880-29950-3

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	56203	06/23/23 11:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56148	06/23/23 23:32	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56286	06/26/23 09:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			56405	06/27/23 10:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56226	06/23/23 15:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56309	06/27/23 03:35	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	56214	06/23/23 14:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56236	06/24/23 00:43	CH	EET MID

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

Lab Sample ID: 880-29950-4

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	56203	06/23/23 11:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56148	06/23/23 23:52	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56286	06/26/23 09:17	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Firefox USA J 001 (06.01.23)

Job ID: 880-29950-1
SDG: Lea County, New Mexico

Client Sample ID: H-4 (0-0.5')
Date Collected: 06/22/23 00:00
Date Received: 06/23/23 11:01

Lab Sample ID: 880-29950-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			56405	06/27/23 10:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56226	06/23/23 15:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56309	06/27/23 03:56	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	56214	06/23/23 14:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56236	06/24/23 00:49	CH	EET MID

Client Sample ID: H-5 (0-0.5')
Date Collected: 06/22/23 00:00
Date Received: 06/23/23 11:01

Lab Sample ID: 880-29950-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	56203	06/23/23 11:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56148	06/24/23 00:13	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56286	06/26/23 09:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			56405	06/27/23 10:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56226	06/23/23 15:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56309	06/27/23 05:44	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	56214	06/23/23 14:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56236	06/24/23 00:55	CH	EET MID

Client Sample ID: H-6 (0-0.5')
Date Collected: 06/22/23 00:00
Date Received: 06/23/23 11:01

Lab Sample ID: 880-29950-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	56203	06/23/23 11:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56148	06/24/23 00:33	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56286	06/26/23 09:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			56405	06/27/23 10:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	56226	06/23/23 15:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56309	06/27/23 06:05	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	56214	06/23/23 14:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56236	06/24/23 01:12	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Firefox USA J 001 (06.01.23)

Job ID: 880-29950-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

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

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

- 1
- 2
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Method Summary

Client: Carmona Resources
Project/Site: Firefox USA J 001 (06.01.23)

Job ID: 880-29950-1
SDG: Lea County, New Mexico

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

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Firefox USA J 001 (06.01.23)

Job ID: 880-29950-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-29950-1	H-1 (0-0.5')	Solid	06/22/23 00:00	06/23/23 11:01
880-29950-2	H-2 (0-0.5')	Solid	06/22/23 00:00	06/23/23 11:01
880-29950-3	H-3 (0-0.5')	Solid	06/22/23 00:00	06/23/23 11:01
880-29950-4	H-4 (0-0.5')	Solid	06/22/23 00:00	06/23/23 11:01
880-29950-5	H-5 (0-0.5')	Solid	06/22/23 00:00	06/23/23 11:01
880-29950-6	H-6 (0-0.5')	Solid	06/22/23 00:00	06/23/23 11:01

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Work Order No: 79950

Page 1 of 1

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

Work Order Comments	
Program: UST/PST	☐ PRP ☐ Brownfields ☐ RC ☐ perfund ☐
State of Project:	
Reporting Level II	☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables	EDD ☐ ADAPT ☐ Other

Project Name	Federal USA J 001 (06 01.23)	Turn Around	☐ Routine ☒ Rush	72 Hrs	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number	2064	Due Date																None NO	DI Water H ₂ O	
Project Location	Lea County, New Mexico																		Cool Cool	MeOH Me
Sampler's Name	GP/JJR																		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	Yes No															NaHSO ₄ NAIBS		
Cooler Custody Seals	Yes No	Correction Factor	Yes No															Na ₂ S ₂ O ₃ NaSO ₃		
Sample Custody Seals	Yes No	Temperature Reading	Yes No															Zn Acetate+NaOH Zn		
Total Containers		Corrected Temperature																NaOH+Ascorbic Acid SAPC		

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments
H-1 (0-0.5)	6/22/2023		X		G	1	BTX 8021B												402
H-2 (0-0.5)	6/22/2023		X		G	1	TPH 8015M (GRO + DRO + MRO)												
H-3 (0-0.5)	6/22/2023		X		G	1	Chloride 300.0												
H-4 (0-0.5)	6/22/2023		X		G	1													
H-5 (0-0.5)	6/22/2023		X		G	1													
H-6 (0-0.5)	6/22/2023		X		G	1													

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>Stevana Hines</i>	6-23-23 1101	<i>[Signature]</i>	



880-29950 Chain of Custody

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-29950-1

SDG Number: Lea County, New Mexico

Login Number: 29950

List Number: 1

List Source: Eurofins Midland

Creator: Rodriguez, Leticia

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 6/28/2023 8:38:35 AM

JOB DESCRIPTION

Federal USA J 001 (06.01.23)
SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-29951-1

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
6/28/2023 8:38:35 AM

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

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Laboratory Job ID: 880-29951-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
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, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

Job ID: 880-29951-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-29951-1****Receipt**

The samples were received on 6/23/2023 11:01 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -1.5°C

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-56153 and 880-56203 and analytical batch 880-56148 was outside the control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-1 (2') (880-29951-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-2 (0-1') (880-29951-5), S-2 (1.5') (880-29951-6), S-2 (2') (880-29951-7), S-2 (3') (880-29951-8) and S-2 (4') (880-29951-9). 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 880-56203 and analytical batch 880-56148 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: S-2 (3') (880-29951-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-56255 and analytical batch 880-56253 was outside the control limits.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-4847-A-23-C). 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-2 (5') (880-29951-10), S-3 (0.5') (880-29951-11), S-3 (1') (880-29951-12), S-3 (1.5') (880-29951-13) and S-3 (2') (880-29951-14). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-56217 and analytical batch 880-56266 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-1 (0-0.5') (880-29951-1). 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-2 (1.5') (880-29951-6) and S-2 (2') (880-29951-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-56226 and analytical batch 880-56309 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.

Case Narrative

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

Job ID: 880-29951-1 (Continued)

Laboratory: Eurofins Midland (Continued)

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-56309 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10. An acceptable CCV was ran within the 12 hour window therefore the data was qualified and reported. The associated sample is impacted: (CCV 880-56309/31).

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-2 (3') (880-29951-8) and S-2 (4') (880-29951-9). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The method blank for preparation batch 880-56231 and analytical batch 880-56397 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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

HPLC/IC

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-29951-1

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U **	0.00200		mg/Kg		06/23/23 11:53	06/24/23 00:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/23/23 11:53	06/24/23 00:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/23/23 11:53	06/24/23 00:54	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/23/23 11:53	06/24/23 00:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/23/23 11:53	06/24/23 00:54	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/23/23 11:53	06/24/23 00:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	06/23/23 11:53	06/24/23 00:54	1
1,4-Difluorobenzene (Surr)	73		70 - 130	06/23/23 11:53	06/24/23 00:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/26/23 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	496		49.9		mg/Kg			06/27/23 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	49.9		mg/Kg		06/23/23 15:55	06/27/23 00:05	1
Diesel Range Organics (Over C10-C28)	496	F1	49.9		mg/Kg		06/23/23 15:55	06/27/23 00:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/23/23 15:55	06/27/23 00:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	201	S1+	70 - 130	06/23/23 15:55	06/27/23 00:05	1
o-Terphenyl	203	S1+	70 - 130	06/23/23 15:55	06/27/23 00:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	379		4.98		mg/Kg			06/24/23 01:18	1

Client Sample ID: S-1 (1')

Lab Sample ID: 880-29951-2

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U **	0.00200		mg/Kg		06/23/23 11:53	06/24/23 01:14	1
Toluene	0.00309		0.00200		mg/Kg		06/23/23 11:53	06/24/23 01:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/23/23 11:53	06/24/23 01:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/23/23 11:53	06/24/23 01:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/23/23 11:53	06/24/23 01:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/23/23 11:53	06/24/23 01:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	06/23/23 11:53	06/24/23 01:14	1
1,4-Difluorobenzene (Surr)	75		70 - 130	06/23/23 11:53	06/24/23 01:14	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (1')

Lab Sample ID: 880-29951-2

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			06/26/23 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	129		49.9		mg/Kg			06/27/23 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/23/23 15:55	06/27/23 06:28	1
Diesel Range Organics (Over C10-C28)	129		49.9		mg/Kg		06/23/23 15:55	06/27/23 06:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/23/23 15:55	06/27/23 06:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				06/23/23 15:55	06/27/23 06:28	1
o-Terphenyl	94		70 - 130				06/23/23 15:55	06/27/23 06:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.7		4.98		mg/Kg			06/24/23 01:24	1

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-29951-3

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199		mg/Kg		06/23/23 11:53	06/24/23 01:35	1
Toluene	0.00267		0.00199		mg/Kg		06/23/23 11:53	06/24/23 01:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/23/23 11:53	06/24/23 01:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/23/23 11:53	06/24/23 01:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/23/23 11:53	06/24/23 01:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/23/23 11:53	06/24/23 01:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				06/23/23 11:53	06/24/23 01:35	1
1,4-Difluorobenzene (Surr)	71		70 - 130				06/23/23 11:53	06/24/23 01:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/26/23 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/27/23 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/23/23 15:55	06/27/23 06:51	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/23/23 15:55	06/27/23 06:51	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-29951-3

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/23/23 15:55	06/27/23 06:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				06/23/23 15:55	06/27/23 06:51	1
o-Terphenyl	97		70 - 130				06/23/23 15:55	06/27/23 06:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	72.2		5.03		mg/Kg			06/24/23 01:30	1

Client Sample ID: S-1 (2')

Lab Sample ID: 880-29951-4

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U *	0.00198		mg/Kg		06/23/23 11:53	06/24/23 01:55	1
Toluene	0.00210		0.00198		mg/Kg		06/23/23 11:53	06/24/23 01:55	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/23/23 11:53	06/24/23 01:55	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/23/23 11:53	06/24/23 01:55	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/23/23 11:53	06/24/23 01:55	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/23/23 11:53	06/24/23 01:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				06/23/23 11:53	06/24/23 01:55	1
1,4-Difluorobenzene (Surr)	69	S1-	70 - 130				06/23/23 11:53	06/24/23 01:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/26/23 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/27/23 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/23/23 15:55	06/27/23 07:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/23/23 15:55	06/27/23 07:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/23/23 15:55	06/27/23 07:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				06/23/23 15:55	06/27/23 07:12	1
o-Terphenyl	99		70 - 130				06/23/23 15:55	06/27/23 07:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.6		5.01		mg/Kg			06/24/23 01:36	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-29951-5

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.346	+	0.0996		mg/Kg		06/23/23 11:53	06/24/23 05:01	50
Toluene	7.61		0.0996		mg/Kg		06/23/23 11:53	06/24/23 05:01	50
Ethylbenzene	6.62		0.0996		mg/Kg		06/23/23 11:53	06/24/23 05:01	50
m-Xylene & p-Xylene	14.2		0.199		mg/Kg		06/23/23 11:53	06/24/23 05:01	50
o-Xylene	6.01		0.0996		mg/Kg		06/23/23 11:53	06/24/23 05:01	50
Xylenes, Total	20.2		0.199		mg/Kg		06/23/23 11:53	06/24/23 05:01	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	208	S1+	70 - 130	06/23/23 11:53	06/24/23 05:01	50
1,4-Difluorobenzene (Surr)	105		70 - 130	06/23/23 11:53	06/24/23 05:01	50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	34.8		0.199		mg/Kg			06/26/23 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	9280		999		mg/Kg			06/27/23 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	1520		999		mg/Kg		06/23/23 15:55	06/27/23 08:17	20
Diesel Range Organics (Over C10-C28)	7760		999		mg/Kg		06/23/23 15:55	06/27/23 08:17	20
Oil Range Organics (Over C28-C36)	<999	U	999		mg/Kg		06/23/23 15:55	06/27/23 08:17	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	06/23/23 15:55	06/27/23 08:17	20
o-Terphenyl	108		70 - 130	06/23/23 15:55	06/27/23 08:17	20

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5160		50.0		mg/Kg			06/24/23 01:42	10

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-29951-6

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.04	+	0.100		mg/Kg		06/23/23 11:53	06/24/23 05:22	50
Toluene	14.1		0.100		mg/Kg		06/23/23 11:53	06/24/23 05:22	50
Ethylbenzene	9.17		0.100		mg/Kg		06/23/23 11:53	06/24/23 05:22	50
m-Xylene & p-Xylene	18.9		0.200		mg/Kg		06/23/23 11:53	06/24/23 05:22	50
o-Xylene	8.09		0.100		mg/Kg		06/23/23 11:53	06/24/23 05:22	50
Xylenes, Total	27.0		0.200		mg/Kg		06/23/23 11:53	06/24/23 05:22	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	250	S1+	70 - 130	06/23/23 11:53	06/24/23 05:22	50
1,4-Difluorobenzene (Surr)	145	S1+	70 - 130	06/23/23 11:53	06/24/23 05:22	50

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-29951-6

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	51.3		0.200		mg/Kg			06/26/23 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	11000		997		mg/Kg			06/27/23 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	2440		997		mg/Kg		06/23/23 15:55	06/27/23 07:34	20
Diesel Range Organics (Over C10-C28)	8600		997		mg/Kg		06/23/23 15:55	06/27/23 07:34	20
Oil Range Organics (Over C28-C36)	<997	U	997		mg/Kg		06/23/23 15:55	06/27/23 07:34	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	145	S1+	70 - 130				06/23/23 15:55	06/27/23 07:34	20
o-Terphenyl	136	S1+	70 - 130				06/23/23 15:55	06/27/23 07:34	20

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5180		50.3		mg/Kg			06/24/23 01:59	10

Client Sample ID: S-2 (2')

Lab Sample ID: 880-29951-7

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.13	*+	0.0998		mg/Kg		06/23/23 11:53	06/24/23 05:42	50
Toluene	14.0		0.0998		mg/Kg		06/23/23 11:53	06/24/23 05:42	50
Ethylbenzene	8.31		0.0998		mg/Kg		06/23/23 11:53	06/24/23 05:42	50
m-Xylene & p-Xylene	17.1		0.200		mg/Kg		06/23/23 11:53	06/24/23 05:42	50
o-Xylene	7.39		0.0998		mg/Kg		06/23/23 11:53	06/24/23 05:42	50
Xylenes, Total	24.5		0.200		mg/Kg		06/23/23 11:53	06/24/23 05:42	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	225	S1+	70 - 130				06/23/23 11:53	06/24/23 05:42	50
1,4-Difluorobenzene (Surr)	145	S1+	70 - 130				06/23/23 11:53	06/24/23 05:42	50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	47.9		0.200		mg/Kg			06/26/23 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	16500		999		mg/Kg			06/27/23 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	3450		999		mg/Kg		06/23/23 15:55	06/27/23 07:56	20
Diesel Range Organics (Over C10-C28)	13000		999		mg/Kg		06/23/23 15:55	06/27/23 07:56	20

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (2')

Lab Sample ID: 880-29951-7

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

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)	<999	U	999		mg/Kg		06/23/23 15:55	06/27/23 07:56	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	150	S1+	70 - 130				06/23/23 15:55	06/27/23 07:56	20
o-Terphenyl	185	S1+	70 - 130				06/23/23 15:55	06/27/23 07:56	20

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4910		50.2		mg/Kg			06/24/23 02:05	10

Client Sample ID: S-2 (3')

Lab Sample ID: 880-29951-8

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.44	*+	0.100		mg/Kg		06/23/23 11:53	06/24/23 06:03	50
Toluene	58.0		0.402		mg/Kg		06/24/23 13:41	06/24/23 21:48	200
Ethylbenzene	12.4		0.100		mg/Kg		06/23/23 11:53	06/24/23 06:03	50
m-Xylene & p-Xylene	24.4		0.200		mg/Kg		06/23/23 11:53	06/24/23 06:03	50
o-Xylene	10.1		0.100		mg/Kg		06/23/23 11:53	06/24/23 06:03	50
Xylenes, Total	34.5		0.200		mg/Kg		06/23/23 11:53	06/24/23 06:03	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	208	S1+	70 - 130				06/23/23 11:53	06/24/23 06:03	50
1,4-Difluorobenzene (Surr)	74		70 - 130				06/23/23 11:53	06/24/23 06:03	50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	107		0.200		mg/Kg			06/26/23 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	5840		998		mg/Kg			06/27/23 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1050		998		mg/Kg		06/23/23 16:22	06/27/23 18:32	20
Diesel Range Organics (Over C10-C28)	4790		998		mg/Kg		06/23/23 16:22	06/27/23 18:32	20
Oil Range Organics (Over C28-C36)	<998	U	998		mg/Kg		06/23/23 16:22	06/27/23 18:32	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	201	S1+	70 - 130				06/23/23 16:22	06/27/23 18:32	20
o-Terphenyl	206	S1+	70 - 130				06/23/23 16:22	06/27/23 18:32	20

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4410		25.0		mg/Kg			06/24/23 02:22	5

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Client Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (4')

Lab Sample ID: 880-29951-9

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.443	++	0.101		mg/Kg		06/23/23 11:53	06/24/23 06:23	50
Toluene	5.49		0.101		mg/Kg		06/23/23 11:53	06/24/23 06:23	50
Ethylbenzene	3.81		0.101		mg/Kg		06/23/23 11:53	06/24/23 06:23	50
m-Xylene & p-Xylene	8.12		0.202		mg/Kg		06/23/23 11:53	06/24/23 06:23	50
o-Xylene	4.18		0.101		mg/Kg		06/23/23 11:53	06/24/23 06:23	50
Xylenes, Total	12.3		0.202		mg/Kg		06/23/23 11:53	06/24/23 06:23	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	197	S1+	70 - 130	06/23/23 11:53	06/24/23 06:23	50
1,4-Difluorobenzene (Surr)	138	S1+	70 - 130	06/23/23 11:53	06/24/23 06:23	50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	22.0		0.202		mg/Kg			06/26/23 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3460		1000		mg/Kg			06/28/23 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<1000	U	1000		mg/Kg		06/23/23 16:22	06/27/23 18:56	20
Diesel Range Organics (Over C10-C28)	3460		1000		mg/Kg		06/23/23 16:22	06/27/23 18:56	20
Oil Range Organics (Over C28-C36)	<1000	U	1000		mg/Kg		06/23/23 16:22	06/27/23 18:56	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130	06/23/23 16:22	06/27/23 18:56	20
o-Terphenyl	147	S1+	70 - 130	06/23/23 16:22	06/27/23 18:56	20

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3670		25.0		mg/Kg			06/24/23 02:28	5

Client Sample ID: S-2 (5')

Lab Sample ID: 880-29951-10

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U ++	0.00198		mg/Kg		06/23/23 11:53	06/24/23 03:19	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/23/23 11:53	06/24/23 03:19	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/23/23 11:53	06/24/23 03:19	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/23/23 11:53	06/24/23 03:19	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/23/23 11:53	06/24/23 03:19	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/23/23 11:53	06/24/23 03:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	06/23/23 11:53	06/24/23 03:19	1
1,4-Difluorobenzene (Surr)	87		70 - 130	06/23/23 11:53	06/24/23 03:19	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (5')

Lab Sample ID: 880-29951-10

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/26/23 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/27/23 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/23/23 14:53	06/26/23 18:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/23/23 14:53	06/26/23 18:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/23/23 14:53	06/26/23 18:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				06/23/23 14:53	06/26/23 18:08	1
o-Terphenyl	135	S1+	70 - 130				06/23/23 14:53	06/26/23 18:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5940		50.1		mg/Kg			06/24/23 02:34	10

Client Sample ID: S-3 (0.5')

Lab Sample ID: 880-29951-11

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199		mg/Kg		06/23/23 11:53	06/24/23 03:39	1
Toluene	0.00300		0.00199		mg/Kg		06/23/23 11:53	06/24/23 03:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/23/23 11:53	06/24/23 03:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/23/23 11:53	06/24/23 03:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/23/23 11:53	06/24/23 03:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/23/23 11:53	06/24/23 03:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				06/23/23 11:53	06/24/23 03:39	1
1,4-Difluorobenzene (Surr)	80		70 - 130				06/23/23 11:53	06/24/23 03:39	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			06/26/23 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	61.0		50.0		mg/Kg			06/27/23 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/23/23 14:53	06/26/23 18:31	1
Diesel Range Organics (Over C10-C28)	61.0		50.0		mg/Kg		06/23/23 14:53	06/26/23 18:31	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (0.5')

Lab Sample ID: 880-29951-11

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

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		06/23/23 14:53	06/26/23 18:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	149	S1+	70 - 130				06/23/23 14:53	06/26/23 18:31	1
o-Terphenyl	163	S1+	70 - 130				06/23/23 14:53	06/26/23 18:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2520		25.0		mg/Kg			06/24/23 02:40	5

Client Sample ID: S-3 (1')

Lab Sample ID: 880-29951-12

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *	0.00201		mg/Kg		06/23/23 11:53	06/24/23 04:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/23/23 11:53	06/24/23 04:00	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/23/23 11:53	06/24/23 04:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/23/23 11:53	06/24/23 04:00	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/23/23 11:53	06/24/23 04:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/23/23 11:53	06/24/23 04:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				06/23/23 11:53	06/24/23 04:00	1
1,4-Difluorobenzene (Surr)	79		70 - 130				06/23/23 11:53	06/24/23 04:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/26/23 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/27/23 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/23/23 14:53	06/26/23 18:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/23/23 14:53	06/26/23 18:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/23/23 14:53	06/26/23 18:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				06/23/23 14:53	06/26/23 18:54	1
o-Terphenyl	136	S1+	70 - 130				06/23/23 14:53	06/26/23 18:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	737		4.96		mg/Kg			06/24/23 02:46	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-29951-13

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U **	0.00202		mg/Kg		06/23/23 11:53	06/24/23 04:20	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/23/23 11:53	06/24/23 04:20	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/23/23 11:53	06/24/23 04:20	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/23/23 11:53	06/24/23 04:20	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/23/23 11:53	06/24/23 04:20	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/23/23 11:53	06/24/23 04:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	06/23/23 11:53	06/24/23 04:20	1
1,4-Difluorobenzene (Surr)	76		70 - 130	06/23/23 11:53	06/24/23 04:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			06/26/23 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	142		49.9		mg/Kg			06/27/23 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/23/23 14:53	06/27/23 07:43	1
Diesel Range Organics (Over C10-C28)	90.0		49.9		mg/Kg		06/23/23 14:53	06/27/23 07:43	1
Oil Range Organics (Over C28-C36)	51.7		49.9		mg/Kg		06/23/23 14:53	06/27/23 07:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130	06/23/23 14:53	06/27/23 07:43	1
o-Terphenyl	147	S1+	70 - 130	06/23/23 14:53	06/27/23 07:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.8		4.95		mg/Kg			06/24/23 02:52	1

Client Sample ID: S-3 (2')

Lab Sample ID: 880-29951-14

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U **	0.00200		mg/Kg		06/23/23 11:53	06/24/23 04:41	1
Toluene	0.00311		0.00200		mg/Kg		06/23/23 11:53	06/24/23 04:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/23/23 11:53	06/24/23 04:41	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/23/23 11:53	06/24/23 04:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/23/23 11:53	06/24/23 04:41	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/23/23 11:53	06/24/23 04:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	06/23/23 11:53	06/24/23 04:41	1
1,4-Difluorobenzene (Surr)	75		70 - 130	06/23/23 11:53	06/24/23 04:41	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (2')

Lab Sample ID: 880-29951-14

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/26/23 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/27/23 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/23/23 14:53	06/27/23 08:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/23/23 14:53	06/27/23 08:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/23/23 14:53	06/27/23 08:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				06/23/23 14:53	06/27/23 08:06	1
o-Terphenyl	154	S1+	70 - 130				06/23/23 14:53	06/27/23 08:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.0		5.02		mg/Kg			06/24/23 02:57	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-29950-A-1-A MS	Matrix Spike	111	114
880-29950-A-1-B MSD	Matrix Spike Duplicate	104	112
880-29951-1	S-1 (0-0.5')	81	73
880-29951-2	S-1 (1')	83	75
880-29951-3	S-1 (1.5')	89	71
880-29951-4	S-1 (2')	89	69 S1-
880-29951-5	S-2 (0-1')	208 S1+	105
880-29951-6	S-2 (1.5')	250 S1+	145 S1+
880-29951-7	S-2 (2')	225 S1+	145 S1+
880-29951-8	S-2 (3')	208 S1+	74
880-29951-9	S-2 (4')	197 S1+	138 S1+
880-29951-10	S-2 (5')	98	87
880-29951-11	S-3 (0.5')	95	80
880-29951-12	S-3 (1')	86	79
880-29951-13	S-3 (1.5')	95	76
880-29951-14	S-3 (2')	88	75
880-29962-A-7-D MS	Matrix Spike	102	107
880-29962-A-7-E MSD	Matrix Spike Duplicate	104	105
LCS 880-56203/1-A	Lab Control Sample	96	111
LCS 880-56255/1-A	Lab Control Sample	95	109
LCSD 880-56203/2-A	Lab Control Sample Dup	101	114
LCSD 880-56255/2-A	Lab Control Sample Dup	101	109
MB 880-56153/5-A	Method Blank	65 S1-	99
MB 880-56203/5-A	Method Blank	67 S1-	96
MB 880-56255/5-A	Method Blank	66 S1-	102

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-29951-1	S-1 (0-0.5')	201 S1+	203 S1+
880-29951-1 MS	S-1 (0-0.5')	103	96
880-29951-1 MSD	S-1 (0-0.5')	100	88
880-29951-2	S-1 (1')	90	94
880-29951-3	S-1 (1.5')	91	97
880-29951-4	S-1 (2')	93	99
880-29951-5	S-2 (0-1')	114	108
880-29951-6	S-2 (1.5')	145 S1+	136 S1+
880-29951-7	S-2 (2')	150 S1+	185 S1+
880-29951-8	S-2 (3')	201 S1+	206 S1+
880-29951-9	S-2 (4')	144 S1+	147 S1+
880-29951-10	S-2 (5')	122	135 S1+
880-29951-11	S-3 (0.5')	149 S1+	163 S1+
880-29951-12	S-3 (1')	122	136 S1+

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Surrogate Summary

Client: Carmona Resources

Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1

SDG: Lea County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-29951-13	S-3 (1.5')	126	147 S1+
880-29951-14	S-3 (2')	138 S1+	154 S1+
880-29962-A-1-F MS	Matrix Spike	99	91
880-29962-A-1-G MSD	Matrix Spike Duplicate	98	90
890-4847-A-23-D MS	Matrix Spike	120	117
890-4847-A-23-E MSD	Matrix Spike Duplicate	122	115
LCS 880-56217/2-A	Lab Control Sample	97	109
LCS 880-56226/2-A	Lab Control Sample	96	97
LCS 880-56231/2-A	Lab Control Sample	96	101
LCSD 880-56217/3-A	Lab Control Sample Dup	82	90
LCSD 880-56226/3-A	Lab Control Sample Dup	92	90
LCSD 880-56231/3-A	Lab Control Sample Dup	92	90
MB 880-56217/1-A	Method Blank	88	102
MB 880-56226/1-A	Method Blank	109	117
MB 880-56231/1-A	Method Blank	115	121
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-56153/5-A

Matrix: Solid

Analysis Batch: 56148

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56153

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/23/23 08:56	06/23/23 11:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/23/23 08:56	06/23/23 11:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/23/23 08:56	06/23/23 11:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/23/23 08:56	06/23/23 11:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/23/23 08:56	06/23/23 11:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/23/23 08:56	06/23/23 11:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	65	S1-	70 - 130	06/23/23 08:56	06/23/23 11:20	1
1,4-Difluorobenzene (Surr)	99		70 - 130	06/23/23 08:56	06/23/23 11:20	1

Lab Sample ID: MB 880-56203/5-A

Matrix: Solid

Analysis Batch: 56148

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56203

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/23/23 11:53	06/23/23 22:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/23/23 11:53	06/23/23 22:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/23/23 11:53	06/23/23 22:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/23/23 11:53	06/23/23 22:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/23/23 11:53	06/23/23 22:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/23/23 11:53	06/23/23 22:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67	S1-	70 - 130	06/23/23 11:53	06/23/23 22:29	1
1,4-Difluorobenzene (Surr)	96		70 - 130	06/23/23 11:53	06/23/23 22:29	1

Lab Sample ID: LCS 880-56203/1-A

Matrix: Solid

Analysis Batch: 56148

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56203

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1197		mg/Kg		120	70 - 130
Toluene	0.100	0.1078		mg/Kg		108	70 - 130
Ethylbenzene	0.100	0.1050		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	0.200	0.2163		mg/Kg		108	70 - 130
o-Xylene	0.100	0.1043		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: LCSD 880-56203/2-A

Matrix: Solid

Analysis Batch: 56148

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56203

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1349	*+	mg/Kg		135	70 - 130	12	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-56203/2-A

Matrix: Solid

Analysis Batch: 56148

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56203

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.1183		mg/Kg		118	70 - 130	9	35
Ethylbenzene	0.100	0.1179		mg/Kg		118	70 - 130	12	35
m-Xylene & p-Xylene	0.200	0.2430		mg/Kg		122	70 - 130	12	35
o-Xylene	0.100	0.1169		mg/Kg		117	70 - 130	11	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Lab Sample ID: 880-29950-A-1-A MS

Matrix: Solid

Analysis Batch: 56148

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 56203

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U *	0.101	0.1261		mg/Kg		125	70 - 130
Toluene	<0.00201	U	0.101	0.1147		mg/Kg		112	70 - 130
Ethylbenzene	<0.00201	U	0.101	0.1189		mg/Kg		118	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.202	0.2419		mg/Kg		120	70 - 130
o-Xylene	<0.00201	U	0.101	0.1159		mg/Kg		115	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Lab Sample ID: 880-29950-A-1-B MSD

Matrix: Solid

Analysis Batch: 56148

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 56203

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U *	0.0998	0.1276		mg/Kg		128	70 - 130	1	35
Toluene	<0.00201	U	0.0998	0.1192		mg/Kg		118	70 - 130	4	35
Ethylbenzene	<0.00201	U	0.0998	0.1142		mg/Kg		114	70 - 130	4	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2337		mg/Kg		117	70 - 130	3	35
o-Xylene	<0.00201	U	0.0998	0.1122		mg/Kg		112	70 - 130	3	35

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

Lab Sample ID: MB 880-56255/5-A

Matrix: Solid

Analysis Batch: 56253

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56255

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/24/23 13:41	06/24/23 16:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/23 13:41	06/24/23 16:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/23 13:41	06/24/23 16:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/24/23 13:41	06/24/23 16:56	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-56255/5-A

Matrix: Solid

Analysis Batch: 56253

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56255

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/23 13:41	06/24/23 16:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/24/23 13:41	06/24/23 16:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	66	S1-	70 - 130	06/24/23 13:41	06/24/23 16:56	1
1,4-Difluorobenzene (Surr)	102		70 - 130	06/24/23 13:41	06/24/23 16:56	1

Lab Sample ID: LCS 880-56255/1-A

Matrix: Solid

Analysis Batch: 56253

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56255

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1117		mg/Kg		112	70 - 130
Toluene	0.100	0.09465		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.09240		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	0.200	0.1914		mg/Kg		96	70 - 130
o-Xylene	0.100	0.09237		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: LCSD 880-56255/2-A

Matrix: Solid

Analysis Batch: 56253

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56255

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1083		mg/Kg		108	70 - 130	3	35
Toluene	0.100	0.09544		mg/Kg		95	70 - 130	1	35
Ethylbenzene	0.100	0.09479		mg/Kg		95	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1961		mg/Kg		98	70 - 130	2	35
o-Xylene	0.100	0.09494		mg/Kg		95	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 880-29962-A-7-D MS

Matrix: Solid

Analysis Batch: 56253

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 56255

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.101	0.1014		mg/Kg		101	70 - 130
Toluene	<0.00201	U	0.101	0.08832		mg/Kg		87	70 - 130
Ethylbenzene	<0.00201	U	0.101	0.08920		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.202	0.1829		mg/Kg		91	70 - 130
o-Xylene	<0.00201	U	0.101	0.08800		mg/Kg		87	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-29962-A-7-D MS

Matrix: Solid

Analysis Batch: 56253

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 56255

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-29962-A-7-E MSD

Matrix: Solid

Analysis Batch: 56253

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 56255

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.1112		mg/Kg		111	70 - 130	9	35
Toluene	<0.00201	U	0.100	0.09683		mg/Kg		96	70 - 130	9	35
Ethylbenzene	<0.00201	U	0.100	0.09803		mg/Kg		98	70 - 130	9	35
m-Xylene & p-Xylene	<0.00402	U	0.201	0.2039		mg/Kg		102	70 - 130	11	35
o-Xylene	<0.00201	U	0.100	0.09801		mg/Kg		98	70 - 130	11	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

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

Lab Sample ID: MB 880-56217/1-A

Matrix: Solid

Analysis Batch: 56266

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56217

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/23/23 14:53	06/26/23 08:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/23/23 14:53	06/26/23 08:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/23/23 14:53	06/26/23 08:31	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	88		70 - 130	06/23/23 14:53	06/26/23 08:31	1			
o-Terphenyl	102		70 - 130	06/23/23 14:53	06/26/23 08:31	1			

Lab Sample ID: LCS 880-56217/2-A

Matrix: Solid

Analysis Batch: 56266

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56217

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	950.7		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	1000	939.4		mg/Kg		94	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	109		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-56217/3-A

Matrix: Solid

Analysis Batch: 56266

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56217

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	939.8		mg/Kg		94	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	899.1		mg/Kg		90	70 - 130	4	20
		LCSD %Recovery	LCSD Qualifier						
Surrogate									
1-Chlorooctane		82							
o-Terphenyl		90							

Lab Sample ID: 890-4847-A-23-D MS

Matrix: Solid

Analysis Batch: 56266

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 56217

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 F1	998	1540	F1	mg/Kg		154	70 - 130		
Diesel Range Organics (Over C10-C28)	244		998	1017		mg/Kg		77	70 - 130		
		MS %Recovery	MS Qualifier								
Surrogate											
1-Chlorooctane		120									
o-Terphenyl		117									

Lab Sample ID: 890-4847-A-23-E MSD

Matrix: Solid

Analysis Batch: 56266

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 56217

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	997	1525	F1	mg/Kg		153	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	244		997	1017		mg/Kg		78	70 - 130	0	20
		MSD %Recovery	MSD Qualifier								
Surrogate											
1-Chlorooctane		122									
o-Terphenyl		115									

Lab Sample ID: MB 880-56226/1-A

Matrix: Solid

Analysis Batch: 56309

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56226

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/23/23 15:55	06/26/23 23:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/23/23 15:55	06/26/23 23:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/23/23 15:55	06/26/23 23:01	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-56226/1-A

Matrix: Solid

Analysis Batch: 56309

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56226

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	06/23/23 15:55	06/26/23 23:01	1
o-Terphenyl	117		70 - 130	06/23/23 15:55	06/26/23 23:01	1

Lab Sample ID: LCS 880-56226/2-A

Matrix: Solid

Analysis Batch: 56309

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56226

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	876.1		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	980.0		mg/Kg		98	70 - 130		

	LCS	LCS				
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane	96		70 - 130			
o-Terphenyl	97		70 - 130			

Lab Sample ID: LCSD 880-56226/3-A

Matrix: Solid

Analysis Batch: 56309

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56226

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	887.0		mg/Kg		89	70 - 130	1	20	
Diesel Range Organics (Over C10-C28)			1000	979.1		mg/Kg		98	70 - 130	0	20	

	LCSD	LCSD				
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane	92		70 - 130			
o-Terphenyl	90		70 - 130			

Lab Sample ID: 880-29951-1 MS

Matrix: Solid

Analysis Batch: 56309

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

Prep Type: Total/NA

Prep Batch: 56226

	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 F2	1000	1274		mg/Kg		127	70 - 130		
Diesel Range Organics (Over C10-C28)	496	F1	1000	1124	F1	mg/Kg		63	70 - 130		

	MS	MS				
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane	103		70 - 130			
o-Terphenyl	96		70 - 130			

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-29951-1 MSD

Matrix: Solid

Analysis Batch: 56309

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

Prep Type: Total/NA

Prep Batch: 56226

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 F2	998	991.1	F2	mg/Kg		99	70 - 130	25	20
Diesel Range Organics (Over C10-C28)	496	F1	998	1065	F1	mg/Kg		57	70 - 130	5	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	100		70 - 130								
o-Terphenyl	88		70 - 130								

Lab Sample ID: MB 880-56231/1-A

Matrix: Solid

Analysis Batch: 56397

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 56231

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/23/23 16:22	06/27/23 11:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/23/23 16:22	06/27/23 11:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/23/23 16:22	06/27/23 11:03	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				06/23/23 16:22	06/27/23 11:03	1
o-Terphenyl	121		70 - 130				06/23/23 16:22	06/27/23 11:03	1

Lab Sample ID: LCS 880-56231/2-A

Matrix: Solid

Analysis Batch: 56397

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 56231

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	883.5		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	999.7		mg/Kg		100	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	96		70 - 130						
o-Terphenyl	101		70 - 130						

Lab Sample ID: LCSD 880-56231/3-A

Matrix: Solid

Analysis Batch: 56397

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56231

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	911.5		mg/Kg		91	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	975.9		mg/Kg		98	70 - 130	2	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-56231/3-A

Matrix: Solid

Analysis Batch: 56397

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 56231

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: 880-29962-A-1-F MS

Matrix: Solid

Analysis Batch: 56397

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 56231

	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	1034		mg/Kg		104	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1222		mg/Kg		120	70 - 130	
	MS	MS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	99		70 - 130							
o-Terphenyl	91		70 - 130							

Lab Sample ID: 880-29962-A-1-G MSD

Matrix: Solid

Analysis Batch: 56397

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 56231

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1028		mg/Kg		103	70 - 130	1	20	
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1202		mg/Kg		118	70 - 130	2	20	
	MSD	MSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	98		70 - 130									
o-Terphenyl	90		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-56214/1-A

Matrix: Solid

Analysis Batch: 56236

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Chloride	<5.00	U	5.00		mg/Kg			06/24/23 00:03	1	

Lab Sample ID: LCS 880-56214/2-A

Matrix: Solid

Analysis Batch: 56236

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	250	252.2		mg/Kg		101	90 - 110		

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-56214/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 56236											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	252.1		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-29951-5 MS				Client Sample ID: S-2 (0-1')							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 56236											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	5160		2500	7700		mg/Kg		102	90 - 110		

Lab Sample ID: 880-29951-5 MSD				Client Sample ID: S-2 (0-1')							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 56236											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	5160		2500	7704		mg/Kg		102	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 56148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29951-1	S-1 (0-0.5')	Total/NA	Solid	8021B	56203
880-29951-2	S-1 (1')	Total/NA	Solid	8021B	56203
880-29951-3	S-1 (1.5')	Total/NA	Solid	8021B	56203
880-29951-4	S-1 (2')	Total/NA	Solid	8021B	56203
880-29951-5	S-2 (0-1')	Total/NA	Solid	8021B	56203
880-29951-6	S-2 (1.5')	Total/NA	Solid	8021B	56203
880-29951-7	S-2 (2')	Total/NA	Solid	8021B	56203
880-29951-8	S-2 (3')	Total/NA	Solid	8021B	56203
880-29951-9	S-2 (4')	Total/NA	Solid	8021B	56203
880-29951-10	S-2 (5')	Total/NA	Solid	8021B	56203
880-29951-11	S-3 (0.5')	Total/NA	Solid	8021B	56203
880-29951-12	S-3 (1')	Total/NA	Solid	8021B	56203
880-29951-13	S-3 (1.5')	Total/NA	Solid	8021B	56203
880-29951-14	S-3 (2')	Total/NA	Solid	8021B	56203
MB 880-56153/5-A	Method Blank	Total/NA	Solid	8021B	56153
MB 880-56203/5-A	Method Blank	Total/NA	Solid	8021B	56203
LCS 880-56203/1-A	Lab Control Sample	Total/NA	Solid	8021B	56203
LCSD 880-56203/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	56203
880-29950-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	56203
880-29950-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	56203

Prep Batch: 56153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-56153/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 56203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29951-1	S-1 (0-0.5')	Total/NA	Solid	5035	
880-29951-2	S-1 (1')	Total/NA	Solid	5035	
880-29951-3	S-1 (1.5')	Total/NA	Solid	5035	
880-29951-4	S-1 (2')	Total/NA	Solid	5035	
880-29951-5	S-2 (0-1')	Total/NA	Solid	5035	
880-29951-6	S-2 (1.5')	Total/NA	Solid	5035	
880-29951-7	S-2 (2')	Total/NA	Solid	5035	
880-29951-8	S-2 (3')	Total/NA	Solid	5035	
880-29951-9	S-2 (4')	Total/NA	Solid	5035	
880-29951-10	S-2 (5')	Total/NA	Solid	5035	
880-29951-11	S-3 (0.5')	Total/NA	Solid	5035	
880-29951-12	S-3 (1')	Total/NA	Solid	5035	
880-29951-13	S-3 (1.5')	Total/NA	Solid	5035	
880-29951-14	S-3 (2')	Total/NA	Solid	5035	
MB 880-56203/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-56203/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-56203/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-29950-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-29950-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 56253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29951-8	S-2 (3')	Total/NA	Solid	8021B	56255
MB 880-56255/5-A	Method Blank	Total/NA	Solid	8021B	56255

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QC Association Summary

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 56253 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-56255/1-A	Lab Control Sample	Total/NA	Solid	8021B	56255
LCSD 880-56255/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	56255
880-29962-A-7-D MS	Matrix Spike	Total/NA	Solid	8021B	56255
880-29962-A-7-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	56255

Prep Batch: 56255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29951-8	S-2 (3')	Total/NA	Solid	5035	
MB 880-56255/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-56255/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-56255/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-29962-A-7-D MS	Matrix Spike	Total/NA	Solid	5035	
880-29962-A-7-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 56287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29951-1	S-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-29951-2	S-1 (1')	Total/NA	Solid	Total BTEX	
880-29951-3	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-29951-4	S-1 (2')	Total/NA	Solid	Total BTEX	
880-29951-5	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-29951-6	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-29951-7	S-2 (2')	Total/NA	Solid	Total BTEX	
880-29951-8	S-2 (3')	Total/NA	Solid	Total BTEX	
880-29951-9	S-2 (4')	Total/NA	Solid	Total BTEX	
880-29951-10	S-2 (5')	Total/NA	Solid	Total BTEX	
880-29951-11	S-3 (0.5')	Total/NA	Solid	Total BTEX	
880-29951-12	S-3 (1')	Total/NA	Solid	Total BTEX	
880-29951-13	S-3 (1.5')	Total/NA	Solid	Total BTEX	
880-29951-14	S-3 (2')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 56217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29951-10	S-2 (5')	Total/NA	Solid	8015NM Prep	
880-29951-11	S-3 (0.5')	Total/NA	Solid	8015NM Prep	
880-29951-12	S-3 (1')	Total/NA	Solid	8015NM Prep	
880-29951-13	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-29951-14	S-3 (2')	Total/NA	Solid	8015NM Prep	
MB 880-56217/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-56217/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-56217/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4847-A-23-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4847-A-23-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 56226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29951-1	S-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-29951-2	S-1 (1')	Total/NA	Solid	8015NM Prep	
880-29951-3	S-1 (1.5')	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 56226 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29951-4	S-1 (2')	Total/NA	Solid	8015NM Prep	
880-29951-5	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-29951-6	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-29951-7	S-2 (2')	Total/NA	Solid	8015NM Prep	
MB 880-56226/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-56226/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-56226/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-29951-1 MS	S-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-29951-1 MSD	S-1 (0-0.5')	Total/NA	Solid	8015NM Prep	

Prep Batch: 56231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29951-8	S-2 (3')	Total/NA	Solid	8015NM Prep	
880-29951-9	S-2 (4')	Total/NA	Solid	8015NM Prep	
MB 880-56231/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-56231/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-56231/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-29962-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-29962-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 56266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29951-10	S-2 (5')	Total/NA	Solid	8015B NM	56217
880-29951-11	S-3 (0.5')	Total/NA	Solid	8015B NM	56217
880-29951-12	S-3 (1')	Total/NA	Solid	8015B NM	56217
880-29951-13	S-3 (1.5')	Total/NA	Solid	8015B NM	56217
880-29951-14	S-3 (2')	Total/NA	Solid	8015B NM	56217
MB 880-56217/1-A	Method Blank	Total/NA	Solid	8015B NM	56217
LCS 880-56217/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	56217
LCSD 880-56217/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	56217
890-4847-A-23-D MS	Matrix Spike	Total/NA	Solid	8015B NM	56217
890-4847-A-23-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	56217

Analysis Batch: 56309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29951-1	S-1 (0-0.5')	Total/NA	Solid	8015B NM	56226
880-29951-2	S-1 (1')	Total/NA	Solid	8015B NM	56226
880-29951-3	S-1 (1.5')	Total/NA	Solid	8015B NM	56226
880-29951-4	S-1 (2')	Total/NA	Solid	8015B NM	56226
880-29951-5	S-2 (0-1')	Total/NA	Solid	8015B NM	56226
880-29951-6	S-2 (1.5')	Total/NA	Solid	8015B NM	56226
880-29951-7	S-2 (2')	Total/NA	Solid	8015B NM	56226
MB 880-56226/1-A	Method Blank	Total/NA	Solid	8015B NM	56226
LCS 880-56226/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	56226
LCSD 880-56226/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	56226
880-29951-1 MS	S-1 (0-0.5')	Total/NA	Solid	8015B NM	56226
880-29951-1 MSD	S-1 (0-0.5')	Total/NA	Solid	8015B NM	56226

Analysis Batch: 56385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29951-1	S-1 (0-0.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 56385 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29951-2	S-1 (1')	Total/NA	Solid	8015 NM	
880-29951-3	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-29951-4	S-1 (2')	Total/NA	Solid	8015 NM	
880-29951-5	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-29951-6	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-29951-7	S-2 (2')	Total/NA	Solid	8015 NM	
880-29951-8	S-2 (3')	Total/NA	Solid	8015 NM	
880-29951-9	S-2 (4')	Total/NA	Solid	8015 NM	
880-29951-10	S-2 (5')	Total/NA	Solid	8015 NM	
880-29951-11	S-3 (0.5')	Total/NA	Solid	8015 NM	
880-29951-12	S-3 (1')	Total/NA	Solid	8015 NM	
880-29951-13	S-3 (1.5')	Total/NA	Solid	8015 NM	
880-29951-14	S-3 (2')	Total/NA	Solid	8015 NM	

Analysis Batch: 56397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29951-8	S-2 (3')	Total/NA	Solid	8015B NM	56231
880-29951-9	S-2 (4')	Total/NA	Solid	8015B NM	56231
MB 880-56231/1-A	Method Blank	Total/NA	Solid	8015B NM	56231
LCS 880-56231/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	56231
LCSD 880-56231/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	56231
880-29962-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	56231
880-29962-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	56231

HPLC/IC

Leach Batch: 56214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29951-1	S-1 (0-0.5')	Soluble	Solid	DI Leach	
880-29951-2	S-1 (1')	Soluble	Solid	DI Leach	
880-29951-3	S-1 (1.5')	Soluble	Solid	DI Leach	
880-29951-4	S-1 (2')	Soluble	Solid	DI Leach	
880-29951-5	S-2 (0-1')	Soluble	Solid	DI Leach	
880-29951-6	S-2 (1.5')	Soluble	Solid	DI Leach	
880-29951-7	S-2 (2')	Soluble	Solid	DI Leach	
880-29951-8	S-2 (3')	Soluble	Solid	DI Leach	
880-29951-9	S-2 (4')	Soluble	Solid	DI Leach	
880-29951-10	S-2 (5')	Soluble	Solid	DI Leach	
880-29951-11	S-3 (0.5')	Soluble	Solid	DI Leach	
880-29951-12	S-3 (1')	Soluble	Solid	DI Leach	
880-29951-13	S-3 (1.5')	Soluble	Solid	DI Leach	
880-29951-14	S-3 (2')	Soluble	Solid	DI Leach	
MB 880-56214/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-56214/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-56214/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-29951-5 MS	S-2 (0-1')	Soluble	Solid	DI Leach	
880-29951-5 MSD	S-2 (0-1')	Soluble	Solid	DI Leach	

Analysis Batch: 56236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29951-1	S-1 (0-0.5')	Soluble	Solid	300.0	56214

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 56236 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29951-2	S-1 (1')	Soluble	Solid	300.0	56214
880-29951-3	S-1 (1.5')	Soluble	Solid	300.0	56214
880-29951-4	S-1 (2')	Soluble	Solid	300.0	56214
880-29951-5	S-2 (0-1')	Soluble	Solid	300.0	56214
880-29951-6	S-2 (1.5')	Soluble	Solid	300.0	56214
880-29951-7	S-2 (2')	Soluble	Solid	300.0	56214
880-29951-8	S-2 (3')	Soluble	Solid	300.0	56214
880-29951-9	S-2 (4')	Soluble	Solid	300.0	56214
880-29951-10	S-2 (5')	Soluble	Solid	300.0	56214
880-29951-11	S-3 (0.5')	Soluble	Solid	300.0	56214
880-29951-12	S-3 (1')	Soluble	Solid	300.0	56214
880-29951-13	S-3 (1.5')	Soluble	Solid	300.0	56214
880-29951-14	S-3 (2')	Soluble	Solid	300.0	56214
MB 880-56214/1-A	Method Blank	Soluble	Solid	300.0	56214
LCS 880-56214/2-A	Lab Control Sample	Soluble	Solid	300.0	56214
LCSD 880-56214/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	56214
880-29951-5 MS	S-2 (0-1')	Soluble	Solid	300.0	56214
880-29951-5 MSD	S-2 (0-1')	Soluble	Solid	300.0	56214

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-29951-1

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	56203	06/23/23 11:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56148	06/24/23 00:54	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56287	06/26/23 09:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			56385	06/27/23 10:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56226	06/23/23 15:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56309	06/27/23 00:05	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	56214	06/23/23 14:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56236	06/24/23 01:18	CH	EET MID

Client Sample ID: S-1 (1')

Lab Sample ID: 880-29951-2

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	56203	06/23/23 11:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56148	06/24/23 01:14	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56287	06/26/23 09:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			56385	06/27/23 10:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56226	06/23/23 15:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56309	06/27/23 06:28	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	56214	06/23/23 14:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56236	06/24/23 01:24	CH	EET MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-29951-3

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	56203	06/23/23 11:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56148	06/24/23 01:35	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56287	06/26/23 09:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			56385	06/27/23 10:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	56226	06/23/23 15:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56309	06/27/23 06:51	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	56214	06/23/23 14:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56236	06/24/23 01:30	CH	EET MID

Client Sample ID: S-1 (2')

Lab Sample ID: 880-29951-4

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	56203	06/23/23 11:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56148	06/24/23 01:55	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56287	06/26/23 09:17	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (2')

Lab Sample ID: 880-29951-4

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			56385	06/27/23 10:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56226	06/23/23 15:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56309	06/27/23 07:12	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	56214	06/23/23 14:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56236	06/24/23 01:36	CH	EET MID

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

Lab Sample ID: 880-29951-5

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	56203	06/23/23 11:53	EL	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	56148	06/24/23 05:01	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56287	06/26/23 09:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			56385	06/27/23 12:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56226	06/23/23 15:55	AJ	EET MID
Total/NA	Analysis	8015B NM		20	1 uL	1 uL	56309	06/27/23 08:17	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	56214	06/23/23 14:16	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	56236	06/24/23 01:42	CH	EET MID

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-29951-6

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	56203	06/23/23 11:53	EL	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	56148	06/24/23 05:22	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56287	06/26/23 09:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			56385	06/27/23 10:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56226	06/23/23 15:55	AJ	EET MID
Total/NA	Analysis	8015B NM		20	1 uL	1 uL	56309	06/27/23 07:34	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	56214	06/23/23 14:16	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	56236	06/24/23 01:59	CH	EET MID

Client Sample ID: S-2 (2')

Lab Sample ID: 880-29951-7

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	56203	06/23/23 11:53	EL	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	56148	06/24/23 05:42	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56287	06/26/23 09:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			56385	06/27/23 10:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.010 g	10 mL	56226	06/23/23 15:55	AJ	EET MID
Total/NA	Analysis	8015B NM		20	1 uL	1 uL	56309	06/27/23 07:56	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (2')

Lab Sample ID: 880-29951-7

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	56214	06/23/23 14:16	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	56236	06/24/23 02:05	CH	EET MID

Client Sample ID: S-2 (3')

Lab Sample ID: 880-29951-8

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	56203	06/23/23 11:53	EL	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	56148	06/24/23 06:03	SM	EET MID
Total/NA	Prep	5035			4.98 g	5 mL	56255	06/24/23 13:41	EL	EET MID
Total/NA	Analysis	8021B		200	5 mL	5 mL	56253	06/24/23 21:48	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56287	06/26/23 09:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			56385	06/27/23 10:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56231	06/23/23 16:22	AJ	EET MID
Total/NA	Analysis	8015B NM		20	1 uL	1 uL	56397	06/27/23 18:32	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	56214	06/23/23 14:16	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	56236	06/24/23 02:22	CH	EET MID

Client Sample ID: S-2 (4')

Lab Sample ID: 880-29951-9

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	56203	06/23/23 11:53	EL	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	56148	06/24/23 06:23	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56287	06/26/23 09:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			56385	06/28/23 09:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	56231	06/23/23 16:22	AJ	EET MID
Total/NA	Analysis	8015B NM		20	1 uL	1 uL	56397	06/27/23 18:56	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	56214	06/23/23 14:16	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	56236	06/24/23 02:28	CH	EET MID

Client Sample ID: S-2 (5')

Lab Sample ID: 880-29951-10

Date Collected: 06/22/23 00:00

Matrix: Solid

Date Received: 06/23/23 11:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	56203	06/23/23 11:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56148	06/24/23 03:19	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56287	06/26/23 09:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			56385	06/27/23 09:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	56217	06/23/23 14:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56266	06/26/23 18:08	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (5')

Date Collected: 06/22/23 00:00

Date Received: 06/23/23 11:01

Lab Sample ID: 880-29951-10

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	56214	06/23/23 14:16	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	56236	06/24/23 02:34	CH	EET MID

Client Sample ID: S-3 (0.5')

Date Collected: 06/22/23 00:00

Date Received: 06/23/23 11:01

Lab Sample ID: 880-29951-11

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	56203	06/23/23 11:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56148	06/24/23 03:39	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56287	06/26/23 09:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			56385	06/27/23 09:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	56217	06/23/23 14:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56266	06/26/23 18:31	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	56214	06/23/23 14:16	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	56236	06/24/23 02:40	CH	EET MID

Client Sample ID: S-3 (1')

Date Collected: 06/22/23 00:00

Date Received: 06/23/23 11:01

Lab Sample ID: 880-29951-12

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	56203	06/23/23 11:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56148	06/24/23 04:00	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56287	06/26/23 09:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			56385	06/27/23 09:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	56217	06/23/23 14:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56266	06/26/23 18:54	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	56214	06/23/23 14:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56236	06/24/23 02:46	CH	EET MID

Client Sample ID: S-3 (1.5')

Date Collected: 06/22/23 00:00

Date Received: 06/23/23 11:01

Lab Sample ID: 880-29951-13

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	56203	06/23/23 11:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56148	06/24/23 04:20	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56287	06/26/23 09:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			56385	06/27/23 09:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	56217	06/23/23 14:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56266	06/27/23 07:43	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	56214	06/23/23 14:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56236	06/24/23 02:52	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (2')
Date Collected: 06/22/23 00:00
Date Received: 06/23/23 11:01

Lab Sample ID: 880-29951-14
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			4.99 g	5 mL	56203	06/23/23 11:53	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	56148	06/24/23 04:41	SM	EET MID
Total/NA	Analysis	Total BTEX		1			56287	06/26/23 09:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			56385	06/27/23 09:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	56217	06/23/23 14:53	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	56266	06/27/23 08:06	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	56214	06/23/23 14:16	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	56236	06/24/23 02:57	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

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

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

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

Method Summary

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-29951-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-29951-1	S-1 (0-0.5')	Solid	06/22/23 00:00	06/23/23 11:01
880-29951-2	S-1 (1')	Solid	06/22/23 00:00	06/23/23 11:01
880-29951-3	S-1 (1.5')	Solid	06/22/23 00:00	06/23/23 11:01
880-29951-4	S-1 (2')	Solid	06/22/23 00:00	06/23/23 11:01
880-29951-5	S-2 (0-1')	Solid	06/22/23 00:00	06/23/23 11:01
880-29951-6	S-2 (1.5')	Solid	06/22/23 00:00	06/23/23 11:01
880-29951-7	S-2 (2')	Solid	06/22/23 00:00	06/23/23 11:01
880-29951-8	S-2 (3')	Solid	06/22/23 00:00	06/23/23 11:01
880-29951-9	S-2 (4')	Solid	06/22/23 00:00	06/23/23 11:01
880-29951-10	S-2 (5')	Solid	06/22/23 00:00	06/23/23 11:01
880-29951-11	S-3 (0.5')	Solid	06/22/23 00:00	06/23/23 11:01
880-29951-12	S-3 (1')	Solid	06/22/23 00:00	06/23/23 11:01
880-29951-13	S-3 (1.5')	Solid	06/22/23 00:00	06/23/23 11:01
880-29951-14	S-3 (2')	Solid	06/22/23 00:00	06/23/23 11:01

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Work Order No: 29951

Page 1 of 2

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

Project Name	Federal USA J 001 (06 01 23)	Turn Around	☐ Routine ☒ Rush	Pres. Code	ANALYSIS REQUEST										Preservative Codes			
Project Number	2064	Due Date	72 Hrs													None NO	DI Water H ₂ O	
Project Location	Lea County New Mexico															Cool Cool	MeOH Me	
Sampler's Name	GP/JUR															HCL HC	HNO ₃ HN	
PO #																H ₂ SO ₄ H ₂	NaOH Na	
SAMPLE RECEIPT	Temp Blank	Yes No	Yes No	Yes No												H ₃ PO ₄ HP		
Received Intact	Yes No	Yes No	Yes No	Yes No												NaHSO ₄ NABIS		
Cooler Custody Seals	Yes No	Yes No	Yes No	Yes No												Na ₂ S ₂ O ₃ NaSO ₃		
Sample Custody Seals	Yes No	Yes No	Yes No	Yes No												Zn Acetate+NaOH Zn		
Total Containers																NaOH+Ascorbic Acid SAPC		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters										Sample Comments	
S-1 (0-0.5)	6/22/2023		X		G	1	BTEX 8021B										432	
S-1 (1)	6/22/2023		X		G	1	TPH 8015M (GRO + DRO + MRO)											
S-1 (1.5)	6/22/2023		X		G	1	Chloride 300.0											
S-1 (2)	6/22/2023		X		G	1												
S-2 (0-1)	6/22/2023		X		G	1												
S-2 (1.5)	6/22/2023		X		G	1												
S-2 (2)	6/22/2023		X		G	1												
S-2 (3)	6/22/2023		X		G	1												
S-2 (4)	6/22/2023		X		G	1												
S-2 (5)	6/22/2023		X		G	1												

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



880-29951 Chain of Custody

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
<i>Conner Moehring</i>	6-23-23 1101	<i>[Signature]</i>	

Work Order No: 2995

Page 2 of 2[illegible]

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-29951-1

SDG Number: Lea County, New Mexico

Login Number: 29951

List Number: 1

List Source: Eurofins Midland

Creator: Rodriguez, Leticia

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

Generated 10/17/2023 1:35:26 PM

JOB DESCRIPTION

Federal USA J 001 (06.01.23)
SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-34468-1

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
10/17/2023 1:35:26 PM

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

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Laboratory Job ID: 880-34468-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34468-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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: Federal USA J 001 (06.01.23)

Job ID: 880-34468-1
SDG: Lea County, New Mexico

Job ID: 880-34468-1

Laboratory: Eurofins Midland

Narrative**Job Narrative
880-34468-1**

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

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

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

Receipt

The sample was received on 10/16/2023 2:28 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.8°C

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: H-5 (0-0.5') (880-34468-1).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-64809 and analytical batch 880-64758 was outside the upper control limits.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-34469-A-21-D), (880-34469-A-21-E MS) and (880-34469-A-21-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-64755/31) and (CCV 880-64755/57). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-64816 and analytical batch 880-64755 was outside the upper control limits.

Method 8015MOD_NM: The method blank for preparation batch 880-64816 and analytical batch 880-64755 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-64816 and analytical batch 880-64755 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC

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: Federal USA J 001 (06.01.23)

Job ID: 880-34468-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-34468-1

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:53	10/17/23 05:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:53	10/17/23 05:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:53	10/17/23 05:55	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/16/23 14:53	10/17/23 05:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:53	10/17/23 05:55	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/16/23 14:53	10/17/23 05:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	10/16/23 14:53	10/17/23 05:55	1
1,4-Difluorobenzene (Surr)	116		70 - 130	10/16/23 14:53	10/17/23 05:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/17/23 05:55	1

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/16/23 15:41	10/16/23 22:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/16/23 15:41	10/16/23 22:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/16/23 15:41	10/16/23 22:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	10/16/23 15:41	10/16/23 22:21	1
o-Terphenyl	105		70 - 130	10/16/23 15:41	10/16/23 22:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	119		4.98		mg/Kg			10/16/23 17:32	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34468-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-34468-1	H-5 (0-0.5')	89	116
880-34469-A-21-A MS	Matrix Spike	104	108
880-34469-A-21-B MSD	Matrix Spike Duplicate	99	99
LCS 880-64809/1-A	Lab Control Sample	100	107
LCSD 880-64809/2-A	Lab Control Sample Dup	97	110
MB 880-64748/5-A	Method Blank	104	127
MB 880-64809/5-A	Method Blank	112	147 S1+
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-34468-1	H-5 (0-0.5')	108	105
880-34469-A-21-E MS	Matrix Spike	132 S1+	101
880-34469-A-21-F MSD	Matrix Spike Duplicate	148 S1+	113
LCS 880-64816/2-A	Lab Control Sample	89	89
LCSD 880-64816/3-A	Lab Control Sample Dup	97	99
MB 880-64816/1-A	Method Blank	168 S1+	146 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34468-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-64748/5-A

Matrix: Solid

Analysis Batch: 64758

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 64748

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/15/23 17:38	10/16/23 11:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/15/23 17:38	10/16/23 11:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/15/23 17:38	10/16/23 11:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/15/23 17:38	10/16/23 11:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/15/23 17:38	10/16/23 11:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/15/23 17:38	10/16/23 11:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	10/15/23 17:38	10/16/23 11:55	1
1,4-Difluorobenzene (Surr)	127		70 - 130	10/15/23 17:38	10/16/23 11:55	1

Lab Sample ID: MB 880-64809/5-A

Matrix: Solid

Analysis Batch: 64758

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 64809

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:53	10/16/23 23:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:53	10/16/23 23:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:53	10/16/23 23:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/16/23 14:53	10/16/23 23:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:53	10/16/23 23:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/16/23 14:53	10/16/23 23:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	10/16/23 14:53	10/16/23 23:31	1
1,4-Difluorobenzene (Surr)	147	S1+	70 - 130	10/16/23 14:53	10/16/23 23:31	1

Lab Sample ID: LCS 880-64809/1-A

Matrix: Solid

Analysis Batch: 64758

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 64809

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09115		mg/Kg		91	70 - 130
Toluene	0.100	0.07156		mg/Kg		72	70 - 130
Ethylbenzene	0.100	0.07268		mg/Kg		73	70 - 130
m-Xylene & p-Xylene	0.200	0.1547		mg/Kg		77	70 - 130
o-Xylene	0.100	0.07410		mg/Kg		74	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-64809/2-A

Matrix: Solid

Analysis Batch: 64758

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 64809

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1050		mg/Kg		105	70 - 130	14	35

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34468-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-64809/2-A

Matrix: Solid

Analysis Batch: 64758

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 64809

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.08096		mg/Kg		81	70 - 130	12	35
Ethylbenzene	0.100	0.07434		mg/Kg		74	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1470		mg/Kg		74	70 - 130	5	35
o-Xylene	0.100	0.07626		mg/Kg		76	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-34469-A-21-A MS

Matrix: Solid

Analysis Batch: 64758

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 64809

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.1132		mg/Kg		114	70 - 130
Toluene	<0.00199	U	0.0996	0.09066		mg/Kg		91	70 - 130
Ethylbenzene	<0.00199	U	0.0996	0.08365		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1683		mg/Kg		84	70 - 130
o-Xylene	<0.00199	U	0.0996	0.08489		mg/Kg		85	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 880-34469-A-21-B MSD

Matrix: Solid

Analysis Batch: 64758

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 64809

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	0.09597		mg/Kg		97	70 - 130	16	35
Toluene	<0.00199	U	0.0990	0.09251		mg/Kg		93	70 - 130	2	35
Ethylbenzene	<0.00199	U	0.0990	0.09036		mg/Kg		91	70 - 130	8	35
m-Xylene & p-Xylene	<0.00398	U	0.198	0.2028		mg/Kg		102	70 - 130	19	35
o-Xylene	<0.00199	U	0.0990	0.09453		mg/Kg		95	70 - 130	11	35

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

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

Lab Sample ID: MB 880-64816/1-A

Matrix: Solid

Analysis Batch: 64755

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 64816

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/16/23 15:41	10/16/23 20:29	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34468-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-64816/1-A

Matrix: Solid

Analysis Batch: 64755

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 64816

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/16/23 15:41	10/16/23 20:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/16/23 15:41	10/16/23 20:29	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	168	S1+	70 - 130				10/16/23 15:41	10/16/23 20:29	1
o-Terphenyl	146	S1+	70 - 130				10/16/23 15:41	10/16/23 20:29	1

Lab Sample ID: LCS 880-64816/2-A

Matrix: Solid

Analysis Batch: 64755

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 64816

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1041		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	1000	944.2		mg/Kg		94	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	89		70 - 130				
o-Terphenyl	89		70 - 130				

Lab Sample ID: LCSD 880-64816/3-A

Matrix: Solid

Analysis Batch: 64755

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 64816

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1114		mg/Kg		111	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	1052		mg/Kg		105	70 - 130	11	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	97		70 - 130						
o-Terphenyl	99		70 - 130						

Lab Sample ID: 880-34469-A-21-E MS

Matrix: Solid

Analysis Batch: 64755

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 64816

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	991	924.4		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	991	1254		mg/Kg		124	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	132	S1+	70 - 130						
o-Terphenyl	101		70 - 130						

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34468-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-34469-A-21-F MSD

Matrix: Solid

Analysis Batch: 64755

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 64816

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	991	1032		mg/Kg		102	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	991	1431	F1	mg/Kg		142	70 - 130	13	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	148	S1+	70 - 130								
o-Terphenyl	113		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-64817/1-A

Matrix: Solid

Analysis Batch: 64832

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/16/23 17:12	1

Lab Sample ID: LCS 880-64817/2-A

Matrix: Solid

Analysis Batch: 64832

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	228.5		mg/Kg		91	90 - 110

Lab Sample ID: LCSD 880-64817/3-A

Matrix: Solid

Analysis Batch: 64832

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	227.2		mg/Kg		91	90 - 110	1	20

Lab Sample ID: 880-34468-1 MS

Matrix: Solid

Analysis Batch: 64832

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	119		249	346.5		mg/Kg		91	90 - 110

Lab Sample ID: 880-34468-1 MSD

Matrix: Solid

Analysis Batch: 64832

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	119		249	346.8		mg/Kg		91	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34468-1
SDG: Lea County, New Mexico

GC VOA

Prep Batch: 64748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-64748/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 64758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34468-1	H-5 (0-0.5')	Total/NA	Solid	8021B	64809
MB 880-64748/5-A	Method Blank	Total/NA	Solid	8021B	64748
MB 880-64809/5-A	Method Blank	Total/NA	Solid	8021B	64809
LCS 880-64809/1-A	Lab Control Sample	Total/NA	Solid	8021B	64809
LCSD 880-64809/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	64809
880-34469-A-21-A MS	Matrix Spike	Total/NA	Solid	8021B	64809
880-34469-A-21-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	64809

Prep Batch: 64809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34468-1	H-5 (0-0.5')	Total/NA	Solid	5035	
MB 880-64809/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-64809/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-64809/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-34469-A-21-A MS	Matrix Spike	Total/NA	Solid	5035	
880-34469-A-21-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 64898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34468-1	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 64755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-64816/1-A	Method Blank	Total/NA	Solid	8015B NM	64816
LCS 880-64816/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	64816
LCSD 880-64816/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	64816
880-34469-A-21-E MS	Matrix Spike	Total/NA	Solid	8015B NM	64816
880-34469-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	64816

Analysis Batch: 64757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34468-1	H-5 (0-0.5')	Total/NA	Solid	8015B NM	64816

Prep Batch: 64816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34468-1	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-64816/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-64816/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-64816/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-34469-A-21-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-34469-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 64894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34468-1	H-5 (0-0.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34468-1
SDG: Lea County, New Mexico

HPLC/IC

Leach Batch: 64817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34468-1	H-5 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-64817/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-64817/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-64817/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-34468-1 MS	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-34468-1 MSD	H-5 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 64832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34468-1	H-5 (0-0.5')	Soluble	Solid	300.0	64817
MB 880-64817/1-A	Method Blank	Soluble	Solid	300.0	64817
LCS 880-64817/2-A	Lab Control Sample	Soluble	Solid	300.0	64817
LCSD 880-64817/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	64817
880-34468-1 MS	H-5 (0-0.5')	Soluble	Solid	300.0	64817
880-34468-1 MSD	H-5 (0-0.5')	Soluble	Solid	300.0	64817

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34468-1
SDG: Lea County, New Mexico

Client Sample ID: H-5 (0-0.5')
Date Collected: 10/11/23 00:00
Date Received: 10/16/23 14:28

Lab Sample ID: 880-34468-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	64809	10/16/23 14:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64758	10/17/23 05:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64898	10/17/23 05:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			64894	10/16/23 22:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	64816	10/16/23 15:41	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64757	10/16/23 22:21	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	64817	10/16/23 15:41	CH	EET MID
Soluble	Analysis	300.0		1			64832	10/16/23 17:32	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34468-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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

Method Summary

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34468-1
SDG: Lea County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34468-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-34468-1	H-5 (0-0.5')	Solid	10/11/23 00:00	10/16/23 14:28

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

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

Work Order Comments									
Program:	UST/PST	☐ PRP	☐ Brownfields	☐ RC	☐ Superfund	☐	☐	☐	☐
State of Project:									
Reporting Level II	☐	Level III	☐	ST/UST	☐	RRP	☐	Level IV	☐
Deliverables	EDD	☐	ADAPT	☐	Other				

[illegible]

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	16/10/23		
	14/28		



880-34468 Chain of Custody

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-34468-1

SDG Number: Lea County, New Mexico

Login Number: 34468

List Number: 1

List Source: Eurofins Midland

Creator: Rodriguez, Leticia

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

- 1
- 2
- 3
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ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/17/2023 1:24:05 PM

JOB DESCRIPTION

Federal USA J 001 (06.01.23)
SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-34469-1

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



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10/17/2023 1:24:05 PM

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

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Laboratory Job ID: 880-34469-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Job ID: 880-34469-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-34469-1**

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

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

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

Receipt

The samples were received on 10/16/2023 2:28 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.8°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (2.0') (880-34469-1), CS-2 (2.0') (880-34469-2), CS-3 (2.0') (880-34469-3), CS-4 (2.0') (880-34469-4), CS-5 (5.5') (880-34469-5), CS-6 (5.5') (880-34469-6), CS-7 (5.5') (880-34469-7), CS-8 (1.5') (880-34469-8), CS-9 (1.5') (880-34469-9), CS-10 (1.5') (880-34469-10), CS-11 (1.5') (880-34469-11), CS-12 (1.5') (880-34469-12), CS-13 (1.5') (880-34469-13), CS-14 (1.5') (880-34469-14), CS-15 (1.5') (880-34469-15), CS-16 (1.5') (880-34469-16), CS-17 (1.5') (880-34469-17), CS-18 (1.5') (880-34469-18), SW-1 (2.0') (880-34469-19), SW-2 (2.0') (880-34469-20), SW-3 (2.0') (880-34469-21), SW-4 (2.0') (880-34469-22), SW-5 (5.5') (880-34469-23), SW-6 (5.5') (880-34469-24), SW-7 (5.5') (880-34469-25), SW-8 (5.5') (880-34469-26), SW-9 (5.5') (880-34469-27), SW-10 (1.5') (880-34469-28), SW-11 (1.5') (880-34469-29), SW-12 (1.5') (880-34469-30), SW-13 (1.5') (880-34469-31), SW-14 (1.5') (880-34469-32) and SW-15 (1.5') (880-34469-33).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-3 (2.0') (880-34469-3), CS-4 (2.0') (880-34469-4), CS-5 (5.5') (880-34469-5), CS-6 (5.5') (880-34469-6), CS-7 (5.5') (880-34469-7), CS-8 (1.5') (880-34469-8), CS-9 (1.5') (880-34469-9), CS-10 (1.5') (880-34469-10), CS-11 (1.5') (880-34469-11), CS-12 (1.5') (880-34469-12), CS-14 (1.5') (880-34469-14), CS-15 (1.5') (880-34469-15), CS-17 (1.5') (880-34469-17) and SW-1 (2.0') (880-34469-19). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-64809 and analytical batch 880-64758 was outside the upper control limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-64759 recovered under the lower control limit for Toluene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported.

(CCV 880-64759/33)

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-17 (1.5') (880-34469-17) and SW-1 (2.0') (880-34469-19). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-64810 and analytical batch 880-64753 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.

Case Narrative

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Job ID: 880-34469-1 (Continued)

Laboratory: Eurofins Midland (Continued)

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-64816 and analytical batch 880-64755 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW-3 (2.0') (880-34469-21), SW-4 (2.0') (880-34469-22), SW-5 (5.5') (880-34469-23), SW-6 (5.5') (880-34469-24), SW-7 (5.5') (880-34469-25), SW-8 (5.5') (880-34469-26), SW-9 (5.5') (880-34469-27), SW-10 (1.5') (880-34469-28), (880-34469-A-21-E MS) and (880-34469-A-21-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-64755/31) and (CCV 880-64755/57). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-64816 and analytical batch 880-64755 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC

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: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Client Sample ID: CS-1 (2.0')

Lab Sample ID: 880-34469-1

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:49	10/16/23 22:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:49	10/16/23 22:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:49	10/16/23 22:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/16/23 14:49	10/16/23 22:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:49	10/16/23 22:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/16/23 14:49	10/16/23 22:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	10/16/23 14:49	10/16/23 22:23	1
1,4-Difluorobenzene (Surr)	85		70 - 130	10/16/23 14:49	10/16/23 22:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/16/23 22:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			10/16/23 23:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U F1	49.6		mg/Kg		10/16/23 14:56	10/16/23 23:34	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		10/16/23 14:56	10/16/23 23:34	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		10/16/23 14:56	10/16/23 23:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130	10/16/23 14:56	10/16/23 23:34	1
o-Terphenyl	81		70 - 130	10/16/23 14:56	10/16/23 23:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83.5		5.00		mg/Kg			10/16/23 17:52	1

Client Sample ID: CS-2 (2.0')

Lab Sample ID: 880-34469-2

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:49	10/16/23 22:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:49	10/16/23 22:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:49	10/16/23 22:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/16/23 14:49	10/16/23 22:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:49	10/16/23 22:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/16/23 14:49	10/16/23 22:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	10/16/23 14:49	10/16/23 22:44	1
1,4-Difluorobenzene (Surr)	90		70 - 130	10/16/23 14:49	10/16/23 22:44	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Client Sample ID: CS-2 (2.0')

Lab Sample ID: 880-34469-2

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/16/23 22:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			10/17/23 00:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		10/16/23 14:56	10/17/23 00:34	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		10/16/23 14:56	10/17/23 00:34	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		10/16/23 14:56	10/17/23 00:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				10/16/23 14:56	10/17/23 00:34	1
o-Terphenyl	89		70 - 130				10/16/23 14:56	10/17/23 00:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	219		4.98		mg/Kg			10/16/23 17:59	1

Client Sample ID: CS-3 (2.0')

Lab Sample ID: 880-34469-3

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/16/23 14:49	10/16/23 23:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/16/23 14:49	10/16/23 23:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/16/23 14:49	10/16/23 23:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/16/23 14:49	10/16/23 23:04	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/16/23 14:49	10/16/23 23:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/16/23 14:49	10/16/23 23:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				10/16/23 14:49	10/16/23 23:04	1
1,4-Difluorobenzene (Surr)	49	S1-	70 - 130				10/16/23 14:49	10/16/23 23:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/16/23 23:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			10/17/23 00:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		10/16/23 14:56	10/17/23 00:54	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		10/16/23 14:56	10/17/23 00:54	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Client Sample ID: CS-3 (2.0')

Lab Sample ID: 880-34469-3

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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)	<50.1	U	50.1		mg/Kg		10/16/23 14:56	10/17/23 00:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				10/16/23 14:56	10/17/23 00:54	1
o-Terphenyl	85		70 - 130				10/16/23 14:56	10/17/23 00:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	239		5.01		mg/Kg			10/16/23 18:05	1

Client Sample ID: CS-4 (2.0')

Lab Sample ID: 880-34469-4

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:49	10/16/23 23:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:49	10/16/23 23:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:49	10/16/23 23:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/16/23 14:49	10/16/23 23:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:49	10/16/23 23:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/16/23 14:49	10/16/23 23:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				10/16/23 14:49	10/16/23 23:25	1
1,4-Difluorobenzene (Surr)	49	S1-	70 - 130				10/16/23 14:49	10/16/23 23:25	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			10/16/23 23:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			10/17/23 01:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		10/16/23 14:56	10/17/23 01:14	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		10/16/23 14:56	10/17/23 01:14	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		10/16/23 14:56	10/17/23 01:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				10/16/23 14:56	10/17/23 01:14	1
o-Terphenyl	78		70 - 130				10/16/23 14:56	10/17/23 01:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	100		4.98		mg/Kg			10/16/23 18:12	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Client Sample ID: CS-5 (5.5')

Lab Sample ID: 880-34469-5

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/16/23 14:49	10/16/23 23:45	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/16/23 14:49	10/16/23 23:45	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/16/23 14:49	10/16/23 23:45	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/16/23 14:49	10/16/23 23:45	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/16/23 14:49	10/16/23 23:45	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/16/23 14:49	10/16/23 23:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	10/16/23 14:49	10/16/23 23:45	1
1,4-Difluorobenzene (Surr)	66	S1-	70 - 130	10/16/23 14:49	10/16/23 23:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/16/23 23:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			10/17/23 01:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		10/16/23 14:56	10/17/23 01:34	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		10/16/23 14:56	10/17/23 01:34	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		10/16/23 14:56	10/17/23 01:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130	10/16/23 14:56	10/17/23 01:34	1
o-Terphenyl	75		70 - 130	10/16/23 14:56	10/17/23 01:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.9		5.00		mg/Kg			10/16/23 18:32	1

Client Sample ID: CS-6 (5.5')

Lab Sample ID: 880-34469-6

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:49	10/17/23 00:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:49	10/17/23 00:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:49	10/17/23 00:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/16/23 14:49	10/17/23 00:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:49	10/17/23 00:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/16/23 14:49	10/17/23 00:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	10/16/23 14:49	10/17/23 00:05	1
1,4-Difluorobenzene (Surr)	61	S1-	70 - 130	10/16/23 14:49	10/17/23 00:05	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Client Sample ID: CS-6 (5.5')

Lab Sample ID: 880-34469-6

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/17/23 00:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/17/23 01:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/16/23 14:56	10/17/23 01:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/16/23 14:56	10/17/23 01:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/16/23 14:56	10/17/23 01:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				10/16/23 14:56	10/17/23 01:54	1
o-Terphenyl	79		70 - 130				10/16/23 14:56	10/17/23 01:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.3		5.03		mg/Kg			10/16/23 18:39	1

Client Sample ID: CS-7 (5.5')

Lab Sample ID: 880-34469-7

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:49	10/17/23 00:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:49	10/17/23 00:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:49	10/17/23 00:26	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/16/23 14:49	10/17/23 00:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:49	10/17/23 00:26	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/16/23 14:49	10/17/23 00:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				10/16/23 14:49	10/17/23 00:26	1
1,4-Difluorobenzene (Surr)	60	S1-	70 - 130				10/16/23 14:49	10/17/23 00:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/17/23 00:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/17/23 02:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/16/23 14:56	10/17/23 02:15	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/16/23 14:56	10/17/23 02:15	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Client Sample ID: CS-7 (5.5')

Lab Sample ID: 880-34469-7

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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)	<49.7	U	49.7		mg/Kg		10/16/23 14:56	10/17/23 02:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				10/16/23 14:56	10/17/23 02:15	1
o-Terphenyl	83		70 - 130				10/16/23 14:56	10/17/23 02:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.7		5.05		mg/Kg			10/16/23 18:45	1

Client Sample ID: CS-8 (1.5')

Lab Sample ID: 880-34469-8

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:49	10/17/23 00:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:49	10/17/23 00:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:49	10/17/23 00:46	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/16/23 14:49	10/17/23 00:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:49	10/17/23 00:46	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/16/23 14:49	10/17/23 00:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				10/16/23 14:49	10/17/23 00:46	1
1,4-Difluorobenzene (Surr)	48	S1-	70 - 130				10/16/23 14:49	10/17/23 00:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/17/23 00:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/17/23 02:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/16/23 14:56	10/17/23 02:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/16/23 14:56	10/17/23 02:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/16/23 14:56	10/17/23 02:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				10/16/23 14:56	10/17/23 02:36	1
o-Terphenyl	76		70 - 130				10/16/23 14:56	10/17/23 02:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	102		4.95		mg/Kg			10/16/23 18:52	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Client Sample ID: CS-9 (1.5')

Lab Sample ID: 880-34469-9

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:49	10/17/23 01:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:49	10/17/23 01:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:49	10/17/23 01:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/16/23 14:49	10/17/23 01:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:49	10/17/23 01:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/16/23 14:49	10/17/23 01:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				10/16/23 14:49	10/17/23 01:07	1
1,4-Difluorobenzene (Surr)	54	S1-	70 - 130				10/16/23 14:49	10/17/23 01:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/17/23 01:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/17/23 02:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/16/23 14:56	10/17/23 02:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/16/23 14:56	10/17/23 02:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/16/23 14:56	10/17/23 02:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				10/16/23 14:56	10/17/23 02:57	1
o-Terphenyl	83		70 - 130				10/16/23 14:56	10/17/23 02:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	178		4.99		mg/Kg			10/16/23 18:59	1

Client Sample ID: CS-10 (1.5')

Lab Sample ID: 880-34469-10

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:49	10/17/23 01:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:49	10/17/23 01:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:49	10/17/23 01:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/16/23 14:49	10/17/23 01:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:49	10/17/23 01:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/16/23 14:49	10/17/23 01:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130				10/16/23 14:49	10/17/23 01:27	1
1,4-Difluorobenzene (Surr)	57	S1-	70 - 130				10/16/23 14:49	10/17/23 01:27	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Client Sample ID: CS-10 (1.5')

Lab Sample ID: 880-34469-10

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/17/23 01:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			10/17/23 03:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		10/16/23 14:56	10/17/23 03:17	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		10/16/23 14:56	10/17/23 03:17	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		10/16/23 14:56	10/17/23 03:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				10/16/23 14:56	10/17/23 03:17	1
o-Terphenyl	83		70 - 130				10/16/23 14:56	10/17/23 03:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	201		5.04		mg/Kg			10/16/23 19:05	1

Client Sample ID: CS-11 (1.5')

Lab Sample ID: 880-34469-11

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:49	10/17/23 02:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:49	10/17/23 02:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:49	10/17/23 02:49	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/16/23 14:49	10/17/23 02:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:49	10/17/23 02:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/16/23 14:49	10/17/23 02:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				10/16/23 14:49	10/17/23 02:49	1
1,4-Difluorobenzene (Surr)	61	S1-	70 - 130				10/16/23 14:49	10/17/23 02:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/17/23 02:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			10/17/23 03:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		10/16/23 14:56	10/17/23 03:58	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		10/16/23 14:56	10/17/23 03:58	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Client Sample ID: CS-11 (1.5')

Lab Sample ID: 880-34469-11

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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)	<50.5	U	50.5		mg/Kg		10/16/23 14:56	10/17/23 03:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				10/16/23 14:56	10/17/23 03:58	1
o-Terphenyl	79		70 - 130				10/16/23 14:56	10/17/23 03:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.4		5.00		mg/Kg			10/16/23 19:25	1

Client Sample ID: CS-12 (1.5')

Lab Sample ID: 880-34469-12

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:49	10/17/23 03:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:49	10/17/23 03:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:49	10/17/23 03:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/16/23 14:49	10/17/23 03:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:49	10/17/23 03:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/16/23 14:49	10/17/23 03:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				10/16/23 14:49	10/17/23 03:09	1
1,4-Difluorobenzene (Surr)	63	S1-	70 - 130				10/16/23 14:49	10/17/23 03:09	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			10/17/23 03:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			10/17/23 04:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		10/16/23 14:56	10/17/23 04:18	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		10/16/23 14:56	10/17/23 04:18	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		10/16/23 14:56	10/17/23 04:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 130				10/16/23 14:56	10/17/23 04:18	1
o-Terphenyl	74		70 - 130				10/16/23 14:56	10/17/23 04:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		4.98		mg/Kg			10/16/23 19:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Client Sample ID: CS-13 (1.5')

Lab Sample ID: 880-34469-13

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/16/23 14:49	10/17/23 03:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/16/23 14:49	10/17/23 03:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/16/23 14:49	10/17/23 03:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/16/23 14:49	10/17/23 03:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/16/23 14:49	10/17/23 03:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/16/23 14:49	10/17/23 03:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	10/16/23 14:49	10/17/23 03:30	1
1,4-Difluorobenzene (Surr)	74		70 - 130	10/16/23 14:49	10/17/23 03:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/17/23 03:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			10/17/23 04:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		10/16/23 14:56	10/17/23 04:38	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		10/16/23 14:56	10/17/23 04:38	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		10/16/23 14:56	10/17/23 04:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130	10/16/23 14:56	10/17/23 04:38	1
o-Terphenyl	85		70 - 130	10/16/23 14:56	10/17/23 04:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	214		4.96		mg/Kg			10/16/23 19:52	1

Client Sample ID: CS-14 (1.5')

Lab Sample ID: 880-34469-14

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:49	10/17/23 03:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:49	10/17/23 03:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:49	10/17/23 03:50	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/16/23 14:49	10/17/23 03:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:49	10/17/23 03:50	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/16/23 14:49	10/17/23 03:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	10/16/23 14:49	10/17/23 03:50	1
1,4-Difluorobenzene (Surr)	55	S1-	70 - 130	10/16/23 14:49	10/17/23 03:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Client Sample ID: CS-14 (1.5')

Lab Sample ID: 880-34469-14

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/17/23 03:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/17/23 04:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/16/23 14:56	10/17/23 04:59	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/16/23 14:56	10/17/23 04:59	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/16/23 14:56	10/17/23 04:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				10/16/23 14:56	10/17/23 04:59	1
o-Terphenyl	80		70 - 130				10/16/23 14:56	10/17/23 04:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	141		5.00		mg/Kg			10/16/23 19:58	1

Client Sample ID: CS-15 (1.5')

Lab Sample ID: 880-34469-15

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:49	10/17/23 04:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:49	10/17/23 04:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:49	10/17/23 04:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/16/23 14:49	10/17/23 04:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:49	10/17/23 04:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/16/23 14:49	10/17/23 04:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				10/16/23 14:49	10/17/23 04:11	1
1,4-Difluorobenzene (Surr)	53	S1-	70 - 130				10/16/23 14:49	10/17/23 04:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/17/23 04:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			10/17/23 05:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		10/16/23 14:56	10/17/23 05:19	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		10/16/23 14:56	10/17/23 05:19	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Client Sample ID: CS-15 (1.5')

Lab Sample ID: 880-34469-15

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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)	<50.3	U	50.3		mg/Kg		10/16/23 14:56	10/17/23 05:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				10/16/23 14:56	10/17/23 05:19	1
o-Terphenyl	83		70 - 130				10/16/23 14:56	10/17/23 05:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83.8		4.95		mg/Kg			10/16/23 20:05	1

Client Sample ID: CS-16 (1.5')

Lab Sample ID: 880-34469-16

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/16/23 14:49	10/17/23 04:31	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/16/23 14:49	10/17/23 04:31	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/16/23 14:49	10/17/23 04:31	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/16/23 14:49	10/17/23 04:31	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/16/23 14:49	10/17/23 04:31	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/16/23 14:49	10/17/23 04:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130				10/16/23 14:49	10/17/23 04:31	1
1,4-Difluorobenzene (Surr)	81		70 - 130				10/16/23 14:49	10/17/23 04:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/17/23 04:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/17/23 05:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/16/23 14:56	10/17/23 05:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/16/23 14:56	10/17/23 05:41	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/16/23 14:56	10/17/23 05:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				10/16/23 14:56	10/17/23 05:41	1
o-Terphenyl	88		70 - 130				10/16/23 14:56	10/17/23 05:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	194		4.95		mg/Kg			10/16/23 20:12	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Client Sample ID: CS-17 (1.5')

Lab Sample ID: 880-34469-17

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:49	10/17/23 04:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:49	10/17/23 04:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:49	10/17/23 04:51	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/16/23 14:49	10/17/23 04:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:49	10/17/23 04:51	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/16/23 14:49	10/17/23 04:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				10/16/23 14:49	10/17/23 04:51	1
1,4-Difluorobenzene (Surr)	64	S1-	70 - 130				10/16/23 14:49	10/17/23 04:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/17/23 04:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			10/17/23 06:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		10/16/23 14:56	10/17/23 06:01	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		10/16/23 14:56	10/17/23 06:01	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		10/16/23 14:56	10/17/23 06:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	61	S1-	70 - 130				10/16/23 14:56	10/17/23 06:01	1
o-Terphenyl	66	S1-	70 - 130				10/16/23 14:56	10/17/23 06:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99.9		5.00		mg/Kg			10/16/23 20:18	1

Client Sample ID: CS-18 (1.5')

Lab Sample ID: 880-34469-18

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:49	10/17/23 05:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:49	10/17/23 05:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:49	10/17/23 05:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/16/23 14:49	10/17/23 05:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:49	10/17/23 05:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/16/23 14:49	10/17/23 05:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130				10/16/23 14:49	10/17/23 05:12	1
1,4-Difluorobenzene (Surr)	83		70 - 130				10/16/23 14:49	10/17/23 05:12	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Client Sample ID: CS-18 (1.5')

Lab Sample ID: 880-34469-18

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/17/23 05:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/17/23 06:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/16/23 14:56	10/17/23 06:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/16/23 14:56	10/17/23 06:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/16/23 14:56	10/17/23 06:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				10/16/23 14:56	10/17/23 06:23	1
o-Terphenyl	83		70 - 130				10/16/23 14:56	10/17/23 06:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	168		5.00		mg/Kg			10/16/23 20:25	1

Client Sample ID: SW-1 (2.0')

Lab Sample ID: 880-34469-19

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/16/23 14:49	10/17/23 05:32	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/16/23 14:49	10/17/23 05:32	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/16/23 14:49	10/17/23 05:32	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		10/16/23 14:49	10/17/23 05:32	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/16/23 14:49	10/17/23 05:32	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		10/16/23 14:49	10/17/23 05:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				10/16/23 14:49	10/17/23 05:32	1
1,4-Difluorobenzene (Surr)	62	S1-	70 - 130				10/16/23 14:49	10/17/23 05:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			10/17/23 05:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/17/23 06:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/16/23 14:56	10/17/23 06:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/16/23 14:56	10/17/23 06:46	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Client Sample ID: SW-1 (2.0')

Lab Sample ID: 880-34469-19

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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		10/16/23 14:56	10/17/23 06:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	61	S1-	70 - 130				10/16/23 14:56	10/17/23 06:46	1
o-Terphenyl	63	S1-	70 - 130				10/16/23 14:56	10/17/23 06:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	92.0		4.99		mg/Kg			10/16/23 20:32	1

Client Sample ID: SW-2 (2.0')

Lab Sample ID: 880-34469-20

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:49	10/17/23 05:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:49	10/17/23 05:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:49	10/17/23 05:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/16/23 14:49	10/17/23 05:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:49	10/17/23 05:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/16/23 14:49	10/17/23 05:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130				10/16/23 14:49	10/17/23 05:53	1
1,4-Difluorobenzene (Surr)	77		70 - 130				10/16/23 14:49	10/17/23 05:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/17/23 05:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			10/17/23 07:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		10/16/23 14:56	10/17/23 07:10	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		10/16/23 14:56	10/17/23 07:10	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		10/16/23 14:56	10/17/23 07:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				10/16/23 14:56	10/17/23 07:10	1
o-Terphenyl	87		70 - 130				10/16/23 14:56	10/17/23 07:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	167		4.96		mg/Kg			10/16/23 18:50	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Client Sample ID: SW-3 (2.0')

Lab Sample ID: 880-34469-21

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:53	10/17/23 00:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:53	10/17/23 00:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:53	10/17/23 00:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/16/23 14:53	10/17/23 00:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:53	10/17/23 00:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/16/23 14:53	10/17/23 00:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130				10/16/23 14:53	10/17/23 00:00	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/16/23 14:53	10/17/23 00:00	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			10/17/23 00:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/16/23 21:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/16/23 15:41	10/16/23 21:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		10/16/23 15:41	10/16/23 21:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/16/23 15:41	10/16/23 21:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130				10/16/23 15:41	10/16/23 21:36	1
o-Terphenyl	121		70 - 130				10/16/23 15:41	10/16/23 21:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	195		5.04		mg/Kg			10/16/23 18:55	1

Client Sample ID: SW-4 (2.0')

Lab Sample ID: 880-34469-22

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:53	10/17/23 00:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:53	10/17/23 00:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:53	10/17/23 00:20	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/16/23 14:53	10/17/23 00:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:53	10/17/23 00:20	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/16/23 14:53	10/17/23 00:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				10/16/23 14:53	10/17/23 00:20	1
1,4-Difluorobenzene (Surr)	110		70 - 130				10/16/23 14:53	10/17/23 00:20	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Client Sample ID: SW-4 (2.0')

Lab Sample ID: 880-34469-22

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/17/23 00:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			10/16/23 22:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		10/16/23 15:41	10/16/23 22:42	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		10/16/23 15:41	10/16/23 22:42	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		10/16/23 15:41	10/16/23 22:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				10/16/23 15:41	10/16/23 22:42	1
o-Terphenyl	118		70 - 130				10/16/23 15:41	10/16/23 22:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	227		5.03		mg/Kg			10/16/23 19:01	1

Client Sample ID: SW-5 (5.5')

Lab Sample ID: 880-34469-23

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/16/23 14:53	10/17/23 00:41	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/16/23 14:53	10/17/23 00:41	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/16/23 14:53	10/17/23 00:41	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/16/23 14:53	10/17/23 00:41	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/16/23 14:53	10/17/23 00:41	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/16/23 14:53	10/17/23 00:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				10/16/23 14:53	10/17/23 00:41	1
1,4-Difluorobenzene (Surr)	111		70 - 130				10/16/23 14:53	10/17/23 00:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/17/23 00:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			10/16/23 23:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		10/16/23 15:41	10/16/23 23:03	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		10/16/23 15:41	10/16/23 23:03	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Client Sample ID: SW-5 (5.5')

Lab Sample ID: 880-34469-23

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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)	<50.2	U	50.2		mg/Kg		10/16/23 15:41	10/16/23 23:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130				10/16/23 15:41	10/16/23 23:03	1
o-Terphenyl	118		70 - 130				10/16/23 15:41	10/16/23 23:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	106		5.00		mg/Kg			10/16/23 19:18	1

Client Sample ID: SW-6 (5.5')

Lab Sample ID: 880-34469-24

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/16/23 14:53	10/17/23 01:01	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/16/23 14:53	10/17/23 01:01	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/16/23 14:53	10/17/23 01:01	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/16/23 14:53	10/17/23 01:01	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/16/23 14:53	10/17/23 01:01	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/16/23 14:53	10/17/23 01:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				10/16/23 14:53	10/17/23 01:01	1
1,4-Difluorobenzene (Surr)	108		70 - 130				10/16/23 14:53	10/17/23 01:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/17/23 01:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			10/16/23 23:24	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	<50.5	U	50.5		mg/Kg		10/16/23 15:41	10/16/23 23:24	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		10/16/23 15:41	10/16/23 23:24	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		10/16/23 15:41	10/16/23 23:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	157	S1+	70 - 130				10/16/23 15:41	10/16/23 23:24	1
o-Terphenyl	132	S1+	70 - 130				10/16/23 15:41	10/16/23 23:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	108		4.99		mg/Kg			10/16/23 19:23	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Client Sample ID: SW-7 (5.5')

Lab Sample ID: 880-34469-25

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:53	10/17/23 01:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:53	10/17/23 01:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:53	10/17/23 01:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/16/23 14:53	10/17/23 01:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:53	10/17/23 01:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/16/23 14:53	10/17/23 01:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	10/16/23 14:53	10/17/23 01:22	1
1,4-Difluorobenzene (Surr)	109		70 - 130	10/16/23 14:53	10/17/23 01:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/17/23 01:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			10/16/23 23:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		10/16/23 15:41	10/16/23 23:45	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		10/16/23 15:41	10/16/23 23:45	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		10/16/23 15:41	10/16/23 23:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130	10/16/23 15:41	10/16/23 23:45	1
o-Terphenyl	115		70 - 130	10/16/23 15:41	10/16/23 23:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	100		4.97		mg/Kg			10/16/23 19:29	1

Client Sample ID: SW-8 (5.5')

Lab Sample ID: 880-34469-26

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:53	10/17/23 01:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:53	10/17/23 01:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:53	10/17/23 01:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/16/23 14:53	10/17/23 01:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:53	10/17/23 01:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/16/23 14:53	10/17/23 01:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	10/16/23 14:53	10/17/23 01:42	1
1,4-Difluorobenzene (Surr)	109		70 - 130	10/16/23 14:53	10/17/23 01:42	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Client Sample ID: SW-8 (5.5')

Lab Sample ID: 880-34469-26

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/17/23 01:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/17/23 00:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/16/23 15:41	10/17/23 00:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/16/23 15:41	10/17/23 00:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/16/23 15:41	10/17/23 00:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				10/16/23 15:41	10/17/23 00:07	1
o-Terphenyl	112		70 - 130				10/16/23 15:41	10/17/23 00:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	97.3		5.05		mg/Kg			10/16/23 19:35	1

Client Sample ID: SW-9 (5.5')

Lab Sample ID: 880-34469-27

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:53	10/17/23 02:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:53	10/17/23 02:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:53	10/17/23 02:02	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/16/23 14:53	10/17/23 02:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:53	10/17/23 02:02	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/16/23 14:53	10/17/23 02:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				10/16/23 14:53	10/17/23 02:02	1
1,4-Difluorobenzene (Surr)	112		70 - 130				10/16/23 14:53	10/17/23 02:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/17/23 02:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/17/23 00:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/16/23 15:41	10/17/23 00:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/16/23 15:41	10/17/23 00:28	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Client Sample ID: SW-9 (5.5')

Lab Sample ID: 880-34469-27

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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		10/16/23 15:41	10/17/23 00:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130				10/16/23 15:41	10/17/23 00:28	1
o-Terphenyl	115		70 - 130				10/16/23 15:41	10/17/23 00:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	102		5.02		mg/Kg			10/16/23 19:40	1

Client Sample ID: SW-10 (1.5')

Lab Sample ID: 880-34469-28

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/16/23 14:53	10/17/23 02:23	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/16/23 14:53	10/17/23 02:23	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/16/23 14:53	10/17/23 02:23	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/16/23 14:53	10/17/23 02:23	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/16/23 14:53	10/17/23 02:23	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/16/23 14:53	10/17/23 02:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				10/16/23 14:53	10/17/23 02:23	1
1,4-Difluorobenzene (Surr)	112		70 - 130				10/16/23 14:53	10/17/23 02:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/17/23 02:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/17/23 00:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/16/23 15:41	10/17/23 00:48	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/16/23 15:41	10/17/23 00:48	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/16/23 15:41	10/17/23 00:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	142	S1+	70 - 130				10/16/23 15:41	10/17/23 00:48	1
o-Terphenyl	119		70 - 130				10/16/23 15:41	10/17/23 00:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	208		5.00		mg/Kg			10/16/23 19:46	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Client Sample ID: SW-11 (1.5')

Lab Sample ID: 880-34469-29

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:53	10/17/23 02:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:53	10/17/23 02:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:53	10/17/23 02:43	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/16/23 14:53	10/17/23 02:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:53	10/17/23 02:43	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/16/23 14:53	10/17/23 02:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				10/16/23 14:53	10/17/23 02:43	1
1,4-Difluorobenzene (Surr)	109		70 - 130				10/16/23 14:53	10/17/23 02:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/17/23 02:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			10/16/23 20:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		10/16/23 15:41	10/16/23 20:29	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		10/16/23 15:41	10/16/23 20:29	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		10/16/23 15:41	10/16/23 20:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				10/16/23 15:41	10/16/23 20:29	1
o-Terphenyl	109		70 - 130				10/16/23 15:41	10/16/23 20:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	105		4.98		mg/Kg			10/16/23 20:03	1

Client Sample ID: SW-12 (1.5')

Lab Sample ID: 880-34469-30

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/16/23 14:53	10/17/23 03:04	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/16/23 14:53	10/17/23 03:04	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/16/23 14:53	10/17/23 03:04	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/16/23 14:53	10/17/23 03:04	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/16/23 14:53	10/17/23 03:04	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/16/23 14:53	10/17/23 03:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				10/16/23 14:53	10/17/23 03:04	1
1,4-Difluorobenzene (Surr)	112		70 - 130				10/16/23 14:53	10/17/23 03:04	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Client Sample ID: SW-12 (1.5')

Lab Sample ID: 880-34469-30

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/17/23 03:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			10/16/23 20:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		10/16/23 15:41	10/16/23 20:52	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		10/16/23 15:41	10/16/23 20:52	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		10/16/23 15:41	10/16/23 20:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				10/16/23 15:41	10/16/23 20:52	1
o-Terphenyl	97		70 - 130				10/16/23 15:41	10/16/23 20:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	112		4.95		mg/Kg			10/16/23 20:08	1

Client Sample ID: SW-13 (1.5')

Lab Sample ID: 880-34469-31

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:53	10/17/23 04:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:53	10/17/23 04:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:53	10/17/23 04:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/16/23 14:53	10/17/23 04:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:53	10/17/23 04:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/16/23 14:53	10/17/23 04:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130				10/16/23 14:53	10/17/23 04:54	1
1,4-Difluorobenzene (Surr)	110		70 - 130				10/16/23 14:53	10/17/23 04:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/17/23 04:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			10/16/23 21:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		10/16/23 15:41	10/16/23 21:14	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		10/16/23 15:41	10/16/23 21:14	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Client Sample ID: SW-13 (1.5')

Lab Sample ID: 880-34469-31

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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)	<50.2	U	50.2		mg/Kg		10/16/23 15:41	10/16/23 21:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				10/16/23 15:41	10/16/23 21:14	1
o-Terphenyl	90		70 - 130				10/16/23 15:41	10/16/23 21:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	129		5.01		mg/Kg			10/16/23 20:25	1

Client Sample ID: SW-14 (1.5')

Lab Sample ID: 880-34469-32

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:53	10/17/23 05:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:53	10/17/23 05:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:53	10/17/23 05:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/16/23 14:53	10/17/23 05:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/16/23 14:53	10/17/23 05:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/16/23 14:53	10/17/23 05:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				10/16/23 14:53	10/17/23 05:14	1
1,4-Difluorobenzene (Surr)	111		70 - 130				10/16/23 14:53	10/17/23 05:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/17/23 05:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			10/16/23 21:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		10/16/23 15:41	10/16/23 21:36	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		10/16/23 15:41	10/16/23 21:36	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		10/16/23 15:41	10/16/23 21:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				10/16/23 15:41	10/16/23 21:36	1
o-Terphenyl	74		70 - 130				10/16/23 15:41	10/16/23 21:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	106		4.99		mg/Kg			10/16/23 20:31	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Client Sample ID: SW-15 (1.5')

Lab Sample ID: 880-34469-33

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:53	10/17/23 05:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:53	10/17/23 05:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:53	10/17/23 05:34	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/16/23 14:53	10/17/23 05:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:53	10/17/23 05:34	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/16/23 14:53	10/17/23 05:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	10/16/23 14:53	10/17/23 05:34	1
1,4-Difluorobenzene (Surr)	115		70 - 130	10/16/23 14:53	10/17/23 05:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/17/23 05:34	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			10/16/23 21:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/16/23 15:41	10/16/23 21:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/16/23 15:41	10/16/23 21:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/16/23 15:41	10/16/23 21:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	10/16/23 15:41	10/16/23 21:59	1
o-Terphenyl	95		70 - 130	10/16/23 15:41	10/16/23 21:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	125		5.05		mg/Kg			10/16/23 20:37	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-34469-1	CS-1 (2.0')	97	85
880-34469-1 MS	CS-1 (2.0')	119	117
880-34469-1 MSD	CS-1 (2.0')	119	116
880-34469-2	CS-2 (2.0')	86	90
880-34469-3	CS-3 (2.0')	98	49 S1-
880-34469-4	CS-4 (2.0')	96	49 S1-
880-34469-5	CS-5 (5.5')	86	66 S1-
880-34469-6	CS-6 (5.5')	96	61 S1-
880-34469-7	CS-7 (5.5')	97	60 S1-
880-34469-8	CS-8 (1.5')	95	48 S1-
880-34469-9	CS-9 (1.5')	95	54 S1-
880-34469-10	CS-10 (1.5')	70	57 S1-
880-34469-11	CS-11 (1.5')	93	61 S1-
880-34469-12	CS-12 (1.5')	94	63 S1-
880-34469-13	CS-13 (1.5')	81	74
880-34469-14	CS-14 (1.5')	102	55 S1-
880-34469-15	CS-15 (1.5')	94	53 S1-
880-34469-16	CS-16 (1.5')	80	81
880-34469-17	CS-17 (1.5')	94	64 S1-
880-34469-18	CS-18 (1.5')	81	83
880-34469-19	SW-1 (2.0')	85	62 S1-
880-34469-20	SW-2 (2.0')	130	77
880-34469-21	SW-3 (2.0')	77	101
880-34469-21 MS	SW-3 (2.0')	104	108
880-34469-21 MSD	SW-3 (2.0')	99	99
880-34469-22	SW-4 (2.0')	93	110
880-34469-23	SW-5 (5.5')	93	111
880-34469-24	SW-6 (5.5')	97	108
880-34469-25	SW-7 (5.5')	91	109
880-34469-26	SW-8 (5.5')	98	109
880-34469-27	SW-9 (5.5')	90	112
880-34469-28	SW-10 (1.5')	94	112
880-34469-29	SW-11 (1.5')	89	109
880-34469-30	SW-12 (1.5')	100	112
880-34469-31	SW-13 (1.5')	73	110
880-34469-32	SW-14 (1.5')	88	111
880-34469-33	SW-15 (1.5')	97	115
LCS 880-64807/1-A	Lab Control Sample	120	104
LCS 880-64809/1-A	Lab Control Sample	100	107
LCSD 880-64807/2-A	Lab Control Sample Dup	128	108
LCSD 880-64809/2-A	Lab Control Sample Dup	97	110
MB 880-64748/5-A	Method Blank	104	127
MB 880-64769/5-A	Method Blank	78	90
MB 880-64807/5-A	Method Blank	75	100
MB 880-64809/5-A	Method Blank	112	147 S1+

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Eurofins Midland

Surrogate Summary

Client: Carmona Resources

Job ID: 880-34469-1

Project/Site: Federal USA J 001 (06.01.23)

SDG: Lea County, New Mexico

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)
880-34469-1	CS-1 (2.0')	76	81
880-34469-1 MS	CS-1 (2.0')	79	72
880-34469-1 MSD	CS-1 (2.0')	78	72
880-34469-2	CS-2 (2.0')	84	89
880-34469-3	CS-3 (2.0')	78	85
880-34469-4	CS-4 (2.0')	73	78
880-34469-5	CS-5 (5.5')	71	75
880-34469-6	CS-6 (5.5')	74	79
880-34469-7	CS-7 (5.5')	78	83
880-34469-8	CS-8 (1.5')	73	76
880-34469-9	CS-9 (1.5')	78	83
880-34469-10	CS-10 (1.5')	77	83
880-34469-11	CS-11 (1.5')	76	79
880-34469-12	CS-12 (1.5')	70	74
880-34469-13	CS-13 (1.5')	78	85
880-34469-14	CS-14 (1.5')	76	80
880-34469-15	CS-15 (1.5')	78	83
880-34469-16	CS-16 (1.5')	80	88
880-34469-17	CS-17 (1.5')	61 S1-	66 S1-
880-34469-18	CS-18 (1.5')	78	83
880-34469-19	SW-1 (2.0')	61 S1-	63 S1-
880-34469-20	SW-2 (2.0')	86	87
880-34469-21	SW-3 (2.0')	140 S1+	121
880-34469-21 MS	SW-3 (2.0')	132 S1+	101
880-34469-21 MSD	SW-3 (2.0')	148 S1+	113
880-34469-22	SW-4 (2.0')	138 S1+	118
880-34469-23	SW-5 (5.5')	143 S1+	118
880-34469-24	SW-6 (5.5')	157 S1+	132 S1+
880-34469-25	SW-7 (5.5')	136 S1+	115
880-34469-26	SW-8 (5.5')	132 S1+	112
880-34469-27	SW-9 (5.5')	137 S1+	115
880-34469-28	SW-10 (1.5')	142 S1+	119
880-34469-29	SW-11 (1.5')	114	109
880-34469-30	SW-12 (1.5')	99	97
880-34469-31	SW-13 (1.5')	94	90
880-34469-32	SW-14 (1.5')	76	74
880-34469-33	SW-15 (1.5')	99	95
LCS 880-64810/2-A	Lab Control Sample	99	103
LCS 880-64816/2-A	Lab Control Sample	89	89
LCSD 880-64810/3-A	Lab Control Sample Dup	102	100
LCSD 880-64816/3-A	Lab Control Sample Dup	97	99
MB 880-64810/1-A	Method Blank	96	110
MB 880-64816/1-A	Method Blank	168 S1+	146 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-64748/5-A

Matrix: Solid

Analysis Batch: 64758

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 64748

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/15/23 17:38	10/16/23 11:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/15/23 17:38	10/16/23 11:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/15/23 17:38	10/16/23 11:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/15/23 17:38	10/16/23 11:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/15/23 17:38	10/16/23 11:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/15/23 17:38	10/16/23 11:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	10/15/23 17:38	10/16/23 11:55	1
1,4-Difluorobenzene (Surr)	127		70 - 130	10/15/23 17:38	10/16/23 11:55	1

Lab Sample ID: MB 880-64769/5-A

Matrix: Solid

Analysis Batch: 64759

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 64769

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/16/23 08:37	10/16/23 11:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/16/23 08:37	10/16/23 11:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/16/23 08:37	10/16/23 11:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/16/23 08:37	10/16/23 11:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/16/23 08:37	10/16/23 11:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/16/23 08:37	10/16/23 11:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130	10/16/23 08:37	10/16/23 11:20	1
1,4-Difluorobenzene (Surr)	90		70 - 130	10/16/23 08:37	10/16/23 11:20	1

Lab Sample ID: MB 880-64807/5-A

Matrix: Solid

Analysis Batch: 64759

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 64807

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:49	10/16/23 22:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:49	10/16/23 22:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:49	10/16/23 22:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/16/23 14:49	10/16/23 22:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:49	10/16/23 22:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/16/23 14:49	10/16/23 22:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130	10/16/23 14:49	10/16/23 22:01	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/16/23 14:49	10/16/23 22:01	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-64807/1-A

Matrix: Solid

Analysis Batch: 64759

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 64807

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09615		mg/Kg		96	70 - 130
Toluene	0.100	0.09169		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.09650		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	0.200	0.2102		mg/Kg		105	70 - 130
o-Xylene	0.100	0.1057		mg/Kg		106	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-64807/2-A

Matrix: Solid

Analysis Batch: 64759

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 64807

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1079		mg/Kg		108	70 - 130	12	35
Toluene	0.100	0.09968		mg/Kg		100	70 - 130	8	35
Ethylbenzene	0.100	0.1066		mg/Kg		107	70 - 130	10	35
m-Xylene & p-Xylene	0.200	0.2344		mg/Kg		117	70 - 130	11	35
o-Xylene	0.100	0.1176		mg/Kg		118	70 - 130	11	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	128		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 880-34469-1 MS

Matrix: Solid

Analysis Batch: 64759

Client Sample ID: CS-1 (2.0')

Prep Type: Total/NA

Prep Batch: 64807

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0998	0.09686		mg/Kg		97	70 - 130
Toluene	<0.00199	U	0.0998	0.09083		mg/Kg		91	70 - 130
Ethylbenzene	<0.00199	U	0.0998	0.09578		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2072		mg/Kg		104	70 - 130
o-Xylene	<0.00199	U	0.0998	0.1030		mg/Kg		103	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	117		70 - 130

Lab Sample ID: 880-34469-1 MSD

Matrix: Solid

Analysis Batch: 64759

Client Sample ID: CS-1 (2.0')

Prep Type: Total/NA

Prep Batch: 64807

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	0.09778		mg/Kg		99	70 - 130	1	35
Toluene	<0.00199	U	0.0990	0.09355		mg/Kg		94	70 - 130	3	35
Ethylbenzene	<0.00199	U	0.0990	0.09694		mg/Kg		98	70 - 130	1	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-34469-1 MSD

Matrix: Solid

Analysis Batch: 64759

Client Sample ID: CS-1 (2.0')

Prep Type: Total/NA

Prep Batch: 64807

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	0.198	0.2081		mg/Kg		105	70 - 130	0	35
o-Xylene	<0.00199	U	0.0990	0.1030		mg/Kg		104	70 - 130	0	35
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	119		70 - 130								
1,4-Difluorobenzene (Surr)	116		70 - 130								

Lab Sample ID: MB 880-64809/5-A

Matrix: Solid

Analysis Batch: 64758

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 64809

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:53	10/16/23 23:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:53	10/16/23 23:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:53	10/16/23 23:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/16/23 14:53	10/16/23 23:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/16/23 14:53	10/16/23 23:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/16/23 14:53	10/16/23 23:31	1
Surrogate	MB %Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				10/16/23 14:53	10/16/23 23:31	1
1,4-Difluorobenzene (Surr)	147	S1+	70 - 130				10/16/23 14:53	10/16/23 23:31	1

Lab Sample ID: LCS 880-64809/1-A

Matrix: Solid

Analysis Batch: 64758

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 64809

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.100	0.09115		mg/Kg		91	70 - 130		
Toluene	0.100	0.07156		mg/Kg		72	70 - 130		
Ethylbenzene	0.100	0.07268		mg/Kg		73	70 - 130		
m-Xylene & p-Xylene	0.200	0.1547		mg/Kg		77	70 - 130		
o-Xylene	0.100	0.07410		mg/Kg		74	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	LCS Limits						
4-Bromofluorobenzene (Surr)	100		70 - 130						
1,4-Difluorobenzene (Surr)	107		70 - 130						

Lab Sample ID: LCSD 880-64809/2-A

Matrix: Solid

Analysis Batch: 64758

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 64809

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1050		mg/Kg		105	70 - 130	14	35
Toluene	0.100	0.08096		mg/Kg		81	70 - 130	12	35
Ethylbenzene	0.100	0.07434		mg/Kg		74	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1470		mg/Kg		74	70 - 130	5	35
o-Xylene	0.100	0.07626		mg/Kg		76	70 - 130	3	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-34469-21 MS

Matrix: Solid

Analysis Batch: 64758

Client Sample ID: SW-3 (2.0')

Prep Type: Total/NA

Prep Batch: 64809

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.1132		mg/Kg		114	70 - 130
Toluene	<0.00199	U	0.0996	0.09066		mg/Kg		91	70 - 130
Ethylbenzene	<0.00199	U	0.0996	0.08365		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1683		mg/Kg		84	70 - 130
o-Xylene	<0.00199	U	0.0996	0.08489		mg/Kg		85	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 880-34469-21 MSD

Matrix: Solid

Analysis Batch: 64758

Client Sample ID: SW-3 (2.0')

Prep Type: Total/NA

Prep Batch: 64809

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00199	U	0.0990	0.09597		mg/Kg		97	70 - 130	16	35
Toluene	<0.00199	U	0.0990	0.09251		mg/Kg		93	70 - 130	2	35
Ethylbenzene	<0.00199	U	0.0990	0.09036		mg/Kg		91	70 - 130	8	35
m-Xylene & p-Xylene	<0.00398	U	0.198	0.2028		mg/Kg		102	70 - 130	19	35
o-Xylene	<0.00199	U	0.0990	0.09453		mg/Kg		95	70 - 130	11	35

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

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

Lab Sample ID: MB 880-64810/1-A

Matrix: Solid

Analysis Batch: 64753

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 64810

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/16/23 14:56	10/16/23 22:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/16/23 14:56	10/16/23 22:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/16/23 14:56	10/16/23 22:33	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	96		70 - 130	10/16/23 14:56	10/16/23 22:33	1			
o-Terphenyl	110		70 - 130	10/16/23 14:56	10/16/23 22:33	1			

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-64810/2-A

Matrix: Solid

Analysis Batch: 64753

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 64810

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	930.3		mg/Kg		93	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	939.0		mg/Kg		94	70 - 130		
		LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	99		70 - 130								
o-Terphenyl	103		70 - 130								

Lab Sample ID: LCSD 880-64810/3-A

Matrix: Solid

Analysis Batch: 64753

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 64810

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	928.3		mg/Kg		93	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	941.3		mg/Kg		94	70 - 130	0	20
			LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	102		70 - 130								
o-Terphenyl	100		70 - 130								

Lab Sample ID: 880-34469-1 MS

Matrix: Solid

Analysis Batch: 64753

Client Sample ID: CS-1 (2.0')

Prep Type: Total/NA

Prep Batch: 64810

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.6	U F1	1010	690.9	F1	mg/Kg		66	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.6	U	1010	792.2		mg/Kg		79	70 - 130		

Lab Sample ID: 880-34469-1 MSD

Matrix: Solid

Analysis Batch: 64753

Client Sample ID: CS-1 (2.0')

Prep Type: Total/NA

Prep Batch: 64810

	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	<49.6	U F1	1010	708.0	F1	mg/Kg		67	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.6	U	1010	786.6		mg/Kg		78	70 - 130	1	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-34469-1 MSD

Matrix: Solid

Analysis Batch: 64753

Client Sample ID: CS-1 (2.0')

Prep Type: Total/NA

Prep Batch: 64810

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	72		70 - 130

Lab Sample ID: MB 880-64816/1-A

Matrix: Solid

Analysis Batch: 64755

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 64816

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/16/23 15:41	10/16/23 20:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/16/23 15:41	10/16/23 20:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/16/23 15:41	10/16/23 20:29	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	168	S1+	70 - 130				10/16/23 15:41	10/16/23 20:29	1
<i>o</i> -Terphenyl	146	S1+	70 - 130				10/16/23 15:41	10/16/23 20:29	1

Lab Sample ID: LCS 880-64816/2-A

Matrix: Solid

Analysis Batch: 64755

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 64816

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1041		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	1000	944.2		mg/Kg		94	70 - 130
Surrogate	LCS	LCS	Limits				
	%Recovery	Qualifier					
1-Chlorooctane	89		70 - 130				
<i>o</i> -Terphenyl	89		70 - 130				

Lab Sample ID: LCSD 880-64816/3-A

Matrix: Solid

Analysis Batch: 64755

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 64816

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1114		mg/Kg		111	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	1052		mg/Kg		105	70 - 130	11	20
Surrogate	LCSD	LCSD	Limits						
	%Recovery	Qualifier							
1-Chlorooctane	97		70 - 130						
<i>o</i> -Terphenyl	99		70 - 130						

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-34469-21 MS

Matrix: Solid

Analysis Batch: 64755

Client Sample ID: SW-3 (2.0')

Prep Type: Total/NA

Prep Batch: 64816

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	991	924.4		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	991	1254		mg/Kg		124	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	132	S1+	70 - 130						
o-Terphenyl	101		70 - 130						

Lab Sample ID: 880-34469-21 MSD

Matrix: Solid

Analysis Batch: 64755

Client Sample ID: SW-3 (2.0')

Prep Type: Total/NA

Prep Batch: 64816

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	991	1032		mg/Kg		102	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	991	1431	F1	mg/Kg		142	70 - 130	13	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	148	S1+	70 - 130								
o-Terphenyl	113		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-64817/1-A

Matrix: Solid

Analysis Batch: 64832

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/16/23 17:12	1

Lab Sample ID: LCS 880-64817/2-A

Matrix: Solid

Analysis Batch: 64832

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	228.5		mg/Kg		91	90 - 110

Lab Sample ID: LCSD 880-64817/3-A

Matrix: Solid

Analysis Batch: 64832

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	227.2		mg/Kg		91	90 - 110	1	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-34469-10 MS

Matrix: Solid

Analysis Batch: 64832

Client Sample ID: CS-10 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	201		252	435.3		mg/Kg		93	90 - 110		

Lab Sample ID: 880-34469-10 MSD

Matrix: Solid

Analysis Batch: 64832

Client Sample ID: CS-10 (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	201		252	438.4		mg/Kg		94	90 - 110	1	20

Lab Sample ID: MB 880-64818/1-A

Matrix: Solid

Analysis Batch: 64839

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/16/23 18:10	1

Lab Sample ID: LCS 880-64818/2-A

Matrix: Solid

Analysis Batch: 64839

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	245.8		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-64818/3-A

Matrix: Solid

Analysis Batch: 64839

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	244.7		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-34469-28 MS

Matrix: Solid

Analysis Batch: 64839

Client Sample ID: SW-10 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	208		250	464.6		mg/Kg		102	90 - 110		

Lab Sample ID: 880-34469-28 MSD

Matrix: Solid

Analysis Batch: 64839

Client Sample ID: SW-10 (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	208		250	464.7		mg/Kg		102	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

GC VOA

Prep Batch: 64748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-64748/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 64758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34469-21	SW-3 (2.0')	Total/NA	Solid	8021B	64809
880-34469-22	SW-4 (2.0')	Total/NA	Solid	8021B	64809
880-34469-23	SW-5 (5.5')	Total/NA	Solid	8021B	64809
880-34469-24	SW-6 (5.5')	Total/NA	Solid	8021B	64809
880-34469-25	SW-7 (5.5')	Total/NA	Solid	8021B	64809
880-34469-26	SW-8 (5.5')	Total/NA	Solid	8021B	64809
880-34469-27	SW-9 (5.5')	Total/NA	Solid	8021B	64809
880-34469-28	SW-10 (1.5')	Total/NA	Solid	8021B	64809
880-34469-29	SW-11 (1.5')	Total/NA	Solid	8021B	64809
880-34469-30	SW-12 (1.5')	Total/NA	Solid	8021B	64809
880-34469-31	SW-13 (1.5')	Total/NA	Solid	8021B	64809
880-34469-32	SW-14 (1.5')	Total/NA	Solid	8021B	64809
880-34469-33	SW-15 (1.5')	Total/NA	Solid	8021B	64809
MB 880-64748/5-A	Method Blank	Total/NA	Solid	8021B	64748
MB 880-64809/5-A	Method Blank	Total/NA	Solid	8021B	64809
LCS 880-64809/1-A	Lab Control Sample	Total/NA	Solid	8021B	64809
LCSD 880-64809/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	64809
880-34469-21 MS	SW-3 (2.0')	Total/NA	Solid	8021B	64809
880-34469-21 MSD	SW-3 (2.0')	Total/NA	Solid	8021B	64809

Analysis Batch: 64759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34469-1	CS-1 (2.0')	Total/NA	Solid	8021B	64807
880-34469-2	CS-2 (2.0')	Total/NA	Solid	8021B	64807
880-34469-3	CS-3 (2.0')	Total/NA	Solid	8021B	64807
880-34469-4	CS-4 (2.0')	Total/NA	Solid	8021B	64807
880-34469-5	CS-5 (5.5')	Total/NA	Solid	8021B	64807
880-34469-6	CS-6 (5.5')	Total/NA	Solid	8021B	64807
880-34469-7	CS-7 (5.5')	Total/NA	Solid	8021B	64807
880-34469-8	CS-8 (1.5')	Total/NA	Solid	8021B	64807
880-34469-9	CS-9 (1.5')	Total/NA	Solid	8021B	64807
880-34469-10	CS-10 (1.5')	Total/NA	Solid	8021B	64807
880-34469-11	CS-11 (1.5')	Total/NA	Solid	8021B	64807
880-34469-12	CS-12 (1.5')	Total/NA	Solid	8021B	64807
880-34469-13	CS-13 (1.5')	Total/NA	Solid	8021B	64807
880-34469-14	CS-14 (1.5')	Total/NA	Solid	8021B	64807
880-34469-15	CS-15 (1.5')	Total/NA	Solid	8021B	64807
880-34469-16	CS-16 (1.5')	Total/NA	Solid	8021B	64807
880-34469-17	CS-17 (1.5')	Total/NA	Solid	8021B	64807
880-34469-18	CS-18 (1.5')	Total/NA	Solid	8021B	64807
880-34469-19	SW-1 (2.0')	Total/NA	Solid	8021B	64807
880-34469-20	SW-2 (2.0')	Total/NA	Solid	8021B	64807
MB 880-64769/5-A	Method Blank	Total/NA	Solid	8021B	64769
MB 880-64807/5-A	Method Blank	Total/NA	Solid	8021B	64807
LCS 880-64807/1-A	Lab Control Sample	Total/NA	Solid	8021B	64807
LCSD 880-64807/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	64807
880-34469-1 MS	CS-1 (2.0')	Total/NA	Solid	8021B	64807

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 64759 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34469-1 MSD	CS-1 (2.0')	Total/NA	Solid	8021B	64807

Prep Batch: 64769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-64769/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 64807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34469-1	CS-1 (2.0')	Total/NA	Solid	5035	
880-34469-2	CS-2 (2.0')	Total/NA	Solid	5035	
880-34469-3	CS-3 (2.0')	Total/NA	Solid	5035	
880-34469-4	CS-4 (2.0')	Total/NA	Solid	5035	
880-34469-5	CS-5 (5.5')	Total/NA	Solid	5035	
880-34469-6	CS-6 (5.5')	Total/NA	Solid	5035	
880-34469-7	CS-7 (5.5')	Total/NA	Solid	5035	
880-34469-8	CS-8 (1.5')	Total/NA	Solid	5035	
880-34469-9	CS-9 (1.5')	Total/NA	Solid	5035	
880-34469-10	CS-10 (1.5')	Total/NA	Solid	5035	
880-34469-11	CS-11 (1.5')	Total/NA	Solid	5035	
880-34469-12	CS-12 (1.5')	Total/NA	Solid	5035	
880-34469-13	CS-13 (1.5')	Total/NA	Solid	5035	
880-34469-14	CS-14 (1.5')	Total/NA	Solid	5035	
880-34469-15	CS-15 (1.5')	Total/NA	Solid	5035	
880-34469-16	CS-16 (1.5')	Total/NA	Solid	5035	
880-34469-17	CS-17 (1.5')	Total/NA	Solid	5035	
880-34469-18	CS-18 (1.5')	Total/NA	Solid	5035	
880-34469-19	SW-1 (2.0')	Total/NA	Solid	5035	
880-34469-20	SW-2 (2.0')	Total/NA	Solid	5035	
MB 880-64807/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-64807/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-64807/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-34469-1 MS	CS-1 (2.0')	Total/NA	Solid	5035	
880-34469-1 MSD	CS-1 (2.0')	Total/NA	Solid	5035	

Prep Batch: 64809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34469-21	SW-3 (2.0')	Total/NA	Solid	5035	
880-34469-22	SW-4 (2.0')	Total/NA	Solid	5035	
880-34469-23	SW-5 (5.5')	Total/NA	Solid	5035	
880-34469-24	SW-6 (5.5')	Total/NA	Solid	5035	
880-34469-25	SW-7 (5.5')	Total/NA	Solid	5035	
880-34469-26	SW-8 (5.5')	Total/NA	Solid	5035	
880-34469-27	SW-9 (5.5')	Total/NA	Solid	5035	
880-34469-28	SW-10 (1.5')	Total/NA	Solid	5035	
880-34469-29	SW-11 (1.5')	Total/NA	Solid	5035	
880-34469-30	SW-12 (1.5')	Total/NA	Solid	5035	
880-34469-31	SW-13 (1.5')	Total/NA	Solid	5035	
880-34469-32	SW-14 (1.5')	Total/NA	Solid	5035	
880-34469-33	SW-15 (1.5')	Total/NA	Solid	5035	
MB 880-64809/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-64809/1-A	Lab Control Sample	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Prep Batch: 64809 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSO 880-64809/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-34469-21 MS	SW-3 (2.0')	Total/NA	Solid	5035	
880-34469-21 MSD	SW-3 (2.0')	Total/NA	Solid	5035	

Analysis Batch: 64896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34469-1	CS-1 (2.0')	Total/NA	Solid	Total BTEX	
880-34469-2	CS-2 (2.0')	Total/NA	Solid	Total BTEX	
880-34469-3	CS-3 (2.0')	Total/NA	Solid	Total BTEX	
880-34469-4	CS-4 (2.0')	Total/NA	Solid	Total BTEX	
880-34469-5	CS-5 (5.5')	Total/NA	Solid	Total BTEX	
880-34469-6	CS-6 (5.5')	Total/NA	Solid	Total BTEX	
880-34469-7	CS-7 (5.5')	Total/NA	Solid	Total BTEX	
880-34469-8	CS-8 (1.5')	Total/NA	Solid	Total BTEX	
880-34469-9	CS-9 (1.5')	Total/NA	Solid	Total BTEX	
880-34469-10	CS-10 (1.5')	Total/NA	Solid	Total BTEX	
880-34469-11	CS-11 (1.5')	Total/NA	Solid	Total BTEX	
880-34469-12	CS-12 (1.5')	Total/NA	Solid	Total BTEX	
880-34469-13	CS-13 (1.5')	Total/NA	Solid	Total BTEX	
880-34469-14	CS-14 (1.5')	Total/NA	Solid	Total BTEX	
880-34469-15	CS-15 (1.5')	Total/NA	Solid	Total BTEX	
880-34469-16	CS-16 (1.5')	Total/NA	Solid	Total BTEX	
880-34469-17	CS-17 (1.5')	Total/NA	Solid	Total BTEX	
880-34469-18	CS-18 (1.5')	Total/NA	Solid	Total BTEX	
880-34469-19	SW-1 (2.0')	Total/NA	Solid	Total BTEX	
880-34469-20	SW-2 (2.0')	Total/NA	Solid	Total BTEX	
880-34469-21	SW-3 (2.0')	Total/NA	Solid	Total BTEX	
880-34469-22	SW-4 (2.0')	Total/NA	Solid	Total BTEX	
880-34469-23	SW-5 (5.5')	Total/NA	Solid	Total BTEX	
880-34469-24	SW-6 (5.5')	Total/NA	Solid	Total BTEX	
880-34469-25	SW-7 (5.5')	Total/NA	Solid	Total BTEX	
880-34469-26	SW-8 (5.5')	Total/NA	Solid	Total BTEX	
880-34469-27	SW-9 (5.5')	Total/NA	Solid	Total BTEX	
880-34469-28	SW-10 (1.5')	Total/NA	Solid	Total BTEX	
880-34469-29	SW-11 (1.5')	Total/NA	Solid	Total BTEX	
880-34469-30	SW-12 (1.5')	Total/NA	Solid	Total BTEX	
880-34469-31	SW-13 (1.5')	Total/NA	Solid	Total BTEX	
880-34469-32	SW-14 (1.5')	Total/NA	Solid	Total BTEX	
880-34469-33	SW-15 (1.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 64753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34469-1	CS-1 (2.0')	Total/NA	Solid	8015B NM	64810
880-34469-2	CS-2 (2.0')	Total/NA	Solid	8015B NM	64810
880-34469-3	CS-3 (2.0')	Total/NA	Solid	8015B NM	64810
880-34469-4	CS-4 (2.0')	Total/NA	Solid	8015B NM	64810
880-34469-5	CS-5 (5.5')	Total/NA	Solid	8015B NM	64810
880-34469-6	CS-6 (5.5')	Total/NA	Solid	8015B NM	64810
880-34469-7	CS-7 (5.5')	Total/NA	Solid	8015B NM	64810

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 64753 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34469-8	CS-8 (1.5')	Total/NA	Solid	8015B NM	64810
880-34469-9	CS-9 (1.5')	Total/NA	Solid	8015B NM	64810
880-34469-10	CS-10 (1.5')	Total/NA	Solid	8015B NM	64810
880-34469-11	CS-11 (1.5')	Total/NA	Solid	8015B NM	64810
880-34469-12	CS-12 (1.5')	Total/NA	Solid	8015B NM	64810
880-34469-13	CS-13 (1.5')	Total/NA	Solid	8015B NM	64810
880-34469-14	CS-14 (1.5')	Total/NA	Solid	8015B NM	64810
880-34469-15	CS-15 (1.5')	Total/NA	Solid	8015B NM	64810
880-34469-16	CS-16 (1.5')	Total/NA	Solid	8015B NM	64810
880-34469-17	CS-17 (1.5')	Total/NA	Solid	8015B NM	64810
880-34469-18	CS-18 (1.5')	Total/NA	Solid	8015B NM	64810
880-34469-19	SW-1 (2.0')	Total/NA	Solid	8015B NM	64810
880-34469-20	SW-2 (2.0')	Total/NA	Solid	8015B NM	64810
MB 880-64810/1-A	Method Blank	Total/NA	Solid	8015B NM	64810
LCS 880-64810/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	64810
LCSD 880-64810/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	64810
880-34469-1 MS	CS-1 (2.0')	Total/NA	Solid	8015B NM	64810
880-34469-1 MSD	CS-1 (2.0')	Total/NA	Solid	8015B NM	64810

Analysis Batch: 64755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34469-21	SW-3 (2.0')	Total/NA	Solid	8015B NM	64816
880-34469-22	SW-4 (2.0')	Total/NA	Solid	8015B NM	64816
880-34469-23	SW-5 (5.5')	Total/NA	Solid	8015B NM	64816
880-34469-24	SW-6 (5.5')	Total/NA	Solid	8015B NM	64816
880-34469-25	SW-7 (5.5')	Total/NA	Solid	8015B NM	64816
880-34469-26	SW-8 (5.5')	Total/NA	Solid	8015B NM	64816
880-34469-27	SW-9 (5.5')	Total/NA	Solid	8015B NM	64816
880-34469-28	SW-10 (1.5')	Total/NA	Solid	8015B NM	64816
MB 880-64816/1-A	Method Blank	Total/NA	Solid	8015B NM	64816
LCS 880-64816/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	64816
LCSD 880-64816/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	64816
880-34469-21 MS	SW-3 (2.0')	Total/NA	Solid	8015B NM	64816
880-34469-21 MSD	SW-3 (2.0')	Total/NA	Solid	8015B NM	64816

Analysis Batch: 64757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34469-29	SW-11 (1.5')	Total/NA	Solid	8015B NM	64816
880-34469-30	SW-12 (1.5')	Total/NA	Solid	8015B NM	64816
880-34469-31	SW-13 (1.5')	Total/NA	Solid	8015B NM	64816
880-34469-32	SW-14 (1.5')	Total/NA	Solid	8015B NM	64816
880-34469-33	SW-15 (1.5')	Total/NA	Solid	8015B NM	64816

Prep Batch: 64810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34469-1	CS-1 (2.0')	Total/NA	Solid	8015NM Prep	
880-34469-2	CS-2 (2.0')	Total/NA	Solid	8015NM Prep	
880-34469-3	CS-3 (2.0')	Total/NA	Solid	8015NM Prep	
880-34469-4	CS-4 (2.0')	Total/NA	Solid	8015NM Prep	
880-34469-5	CS-5 (5.5')	Total/NA	Solid	8015NM Prep	
880-34469-6	CS-6 (5.5')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 64810 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34469-7	CS-7 (5.5')	Total/NA	Solid	8015NM Prep	
880-34469-8	CS-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-34469-9	CS-9 (1.5')	Total/NA	Solid	8015NM Prep	
880-34469-10	CS-10 (1.5')	Total/NA	Solid	8015NM Prep	
880-34469-11	CS-11 (1.5')	Total/NA	Solid	8015NM Prep	
880-34469-12	CS-12 (1.5')	Total/NA	Solid	8015NM Prep	
880-34469-13	CS-13 (1.5')	Total/NA	Solid	8015NM Prep	
880-34469-14	CS-14 (1.5')	Total/NA	Solid	8015NM Prep	
880-34469-15	CS-15 (1.5')	Total/NA	Solid	8015NM Prep	
880-34469-16	CS-16 (1.5')	Total/NA	Solid	8015NM Prep	
880-34469-17	CS-17 (1.5')	Total/NA	Solid	8015NM Prep	
880-34469-18	CS-18 (1.5')	Total/NA	Solid	8015NM Prep	
880-34469-19	SW-1 (2.0')	Total/NA	Solid	8015NM Prep	
880-34469-20	SW-2 (2.0')	Total/NA	Solid	8015NM Prep	
MB 880-64810/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-64810/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-64810/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-34469-1 MS	CS-1 (2.0')	Total/NA	Solid	8015NM Prep	
880-34469-1 MSD	CS-1 (2.0')	Total/NA	Solid	8015NM Prep	

Prep Batch: 64816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34469-21	SW-3 (2.0')	Total/NA	Solid	8015NM Prep	
880-34469-22	SW-4 (2.0')	Total/NA	Solid	8015NM Prep	
880-34469-23	SW-5 (5.5')	Total/NA	Solid	8015NM Prep	
880-34469-24	SW-6 (5.5')	Total/NA	Solid	8015NM Prep	
880-34469-25	SW-7 (5.5')	Total/NA	Solid	8015NM Prep	
880-34469-26	SW-8 (5.5')	Total/NA	Solid	8015NM Prep	
880-34469-27	SW-9 (5.5')	Total/NA	Solid	8015NM Prep	
880-34469-28	SW-10 (1.5')	Total/NA	Solid	8015NM Prep	
880-34469-29	SW-11 (1.5')	Total/NA	Solid	8015NM Prep	
880-34469-30	SW-12 (1.5')	Total/NA	Solid	8015NM Prep	
880-34469-31	SW-13 (1.5')	Total/NA	Solid	8015NM Prep	
880-34469-32	SW-14 (1.5')	Total/NA	Solid	8015NM Prep	
880-34469-33	SW-15 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-64816/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-64816/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-64816/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-34469-21 MS	SW-3 (2.0')	Total/NA	Solid	8015NM Prep	
880-34469-21 MSD	SW-3 (2.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 64874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34469-1	CS-1 (2.0')	Total/NA	Solid	8015 NM	
880-34469-2	CS-2 (2.0')	Total/NA	Solid	8015 NM	
880-34469-3	CS-3 (2.0')	Total/NA	Solid	8015 NM	
880-34469-4	CS-4 (2.0')	Total/NA	Solid	8015 NM	
880-34469-5	CS-5 (5.5')	Total/NA	Solid	8015 NM	
880-34469-6	CS-6 (5.5')	Total/NA	Solid	8015 NM	
880-34469-7	CS-7 (5.5')	Total/NA	Solid	8015 NM	
880-34469-8	CS-8 (1.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 64874 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34469-9	CS-9 (1.5')	Total/NA	Solid	8015 NM	
880-34469-10	CS-10 (1.5')	Total/NA	Solid	8015 NM	
880-34469-11	CS-11 (1.5')	Total/NA	Solid	8015 NM	
880-34469-12	CS-12 (1.5')	Total/NA	Solid	8015 NM	
880-34469-13	CS-13 (1.5')	Total/NA	Solid	8015 NM	
880-34469-14	CS-14 (1.5')	Total/NA	Solid	8015 NM	
880-34469-15	CS-15 (1.5')	Total/NA	Solid	8015 NM	
880-34469-16	CS-16 (1.5')	Total/NA	Solid	8015 NM	
880-34469-17	CS-17 (1.5')	Total/NA	Solid	8015 NM	
880-34469-18	CS-18 (1.5')	Total/NA	Solid	8015 NM	
880-34469-19	SW-1 (2.0')	Total/NA	Solid	8015 NM	
880-34469-20	SW-2 (2.0')	Total/NA	Solid	8015 NM	
880-34469-21	SW-3 (2.0')	Total/NA	Solid	8015 NM	
880-34469-22	SW-4 (2.0')	Total/NA	Solid	8015 NM	
880-34469-23	SW-5 (5.5')	Total/NA	Solid	8015 NM	
880-34469-24	SW-6 (5.5')	Total/NA	Solid	8015 NM	
880-34469-25	SW-7 (5.5')	Total/NA	Solid	8015 NM	
880-34469-26	SW-8 (5.5')	Total/NA	Solid	8015 NM	
880-34469-27	SW-9 (5.5')	Total/NA	Solid	8015 NM	
880-34469-28	SW-10 (1.5')	Total/NA	Solid	8015 NM	
880-34469-29	SW-11 (1.5')	Total/NA	Solid	8015 NM	
880-34469-30	SW-12 (1.5')	Total/NA	Solid	8015 NM	
880-34469-31	SW-13 (1.5')	Total/NA	Solid	8015 NM	
880-34469-32	SW-14 (1.5')	Total/NA	Solid	8015 NM	
880-34469-33	SW-15 (1.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 64817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34469-1	CS-1 (2.0')	Soluble	Solid	DI Leach	
880-34469-2	CS-2 (2.0')	Soluble	Solid	DI Leach	
880-34469-3	CS-3 (2.0')	Soluble	Solid	DI Leach	
880-34469-4	CS-4 (2.0')	Soluble	Solid	DI Leach	
880-34469-5	CS-5 (5.5')	Soluble	Solid	DI Leach	
880-34469-6	CS-6 (5.5')	Soluble	Solid	DI Leach	
880-34469-7	CS-7 (5.5')	Soluble	Solid	DI Leach	
880-34469-8	CS-8 (1.5')	Soluble	Solid	DI Leach	
880-34469-9	CS-9 (1.5')	Soluble	Solid	DI Leach	
880-34469-10	CS-10 (1.5')	Soluble	Solid	DI Leach	
880-34469-11	CS-11 (1.5')	Soluble	Solid	DI Leach	
880-34469-12	CS-12 (1.5')	Soluble	Solid	DI Leach	
880-34469-13	CS-13 (1.5')	Soluble	Solid	DI Leach	
880-34469-14	CS-14 (1.5')	Soluble	Solid	DI Leach	
880-34469-15	CS-15 (1.5')	Soluble	Solid	DI Leach	
880-34469-16	CS-16 (1.5')	Soluble	Solid	DI Leach	
880-34469-17	CS-17 (1.5')	Soluble	Solid	DI Leach	
880-34469-18	CS-18 (1.5')	Soluble	Solid	DI Leach	
880-34469-19	SW-1 (2.0')	Soluble	Solid	DI Leach	
MB 880-64817/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-64817/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 64817 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS D 880-64817/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-34469-10 MS	CS-10 (1.5')	Soluble	Solid	DI Leach	
880-34469-10 MSD	CS-10 (1.5')	Soluble	Solid	DI Leach	

Leach Batch: 64818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34469-20	SW-2 (2.0')	Soluble	Solid	DI Leach	
880-34469-21	SW-3 (2.0')	Soluble	Solid	DI Leach	
880-34469-22	SW-4 (2.0')	Soluble	Solid	DI Leach	
880-34469-23	SW-5 (5.5')	Soluble	Solid	DI Leach	
880-34469-24	SW-6 (5.5')	Soluble	Solid	DI Leach	
880-34469-25	SW-7 (5.5')	Soluble	Solid	DI Leach	
880-34469-26	SW-8 (5.5')	Soluble	Solid	DI Leach	
880-34469-27	SW-9 (5.5')	Soluble	Solid	DI Leach	
880-34469-28	SW-10 (1.5')	Soluble	Solid	DI Leach	
880-34469-29	SW-11 (1.5')	Soluble	Solid	DI Leach	
880-34469-30	SW-12 (1.5')	Soluble	Solid	DI Leach	
880-34469-31	SW-13 (1.5')	Soluble	Solid	DI Leach	
880-34469-32	SW-14 (1.5')	Soluble	Solid	DI Leach	
880-34469-33	SW-15 (1.5')	Soluble	Solid	DI Leach	
MB 880-64818/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-64818/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCS D 880-64818/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-34469-28 MS	SW-10 (1.5')	Soluble	Solid	DI Leach	
880-34469-28 MSD	SW-10 (1.5')	Soluble	Solid	DI Leach	

Analysis Batch: 64832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34469-1	CS-1 (2.0')	Soluble	Solid	300.0	64817
880-34469-2	CS-2 (2.0')	Soluble	Solid	300.0	64817
880-34469-3	CS-3 (2.0')	Soluble	Solid	300.0	64817
880-34469-4	CS-4 (2.0')	Soluble	Solid	300.0	64817
880-34469-5	CS-5 (5.5')	Soluble	Solid	300.0	64817
880-34469-6	CS-6 (5.5')	Soluble	Solid	300.0	64817
880-34469-7	CS-7 (5.5')	Soluble	Solid	300.0	64817
880-34469-8	CS-8 (1.5')	Soluble	Solid	300.0	64817
880-34469-9	CS-9 (1.5')	Soluble	Solid	300.0	64817
880-34469-10	CS-10 (1.5')	Soluble	Solid	300.0	64817
880-34469-11	CS-11 (1.5')	Soluble	Solid	300.0	64817
880-34469-12	CS-12 (1.5')	Soluble	Solid	300.0	64817
880-34469-13	CS-13 (1.5')	Soluble	Solid	300.0	64817
880-34469-14	CS-14 (1.5')	Soluble	Solid	300.0	64817
880-34469-15	CS-15 (1.5')	Soluble	Solid	300.0	64817
880-34469-16	CS-16 (1.5')	Soluble	Solid	300.0	64817
880-34469-17	CS-17 (1.5')	Soluble	Solid	300.0	64817
880-34469-18	CS-18 (1.5')	Soluble	Solid	300.0	64817
880-34469-19	SW-1 (2.0')	Soluble	Solid	300.0	64817
MB 880-64817/1-A	Method Blank	Soluble	Solid	300.0	64817
LCS 880-64817/2-A	Lab Control Sample	Soluble	Solid	300.0	64817
LCS D 880-64817/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	64817
880-34469-10 MS	CS-10 (1.5')	Soluble	Solid	300.0	64817

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QC Association Summary

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 64832 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34469-10 MSD	CS-10 (1.5')	Soluble	Solid	300.0	64817

Analysis Batch: 64839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34469-20	SW-2 (2.0')	Soluble	Solid	300.0	64818
880-34469-21	SW-3 (2.0')	Soluble	Solid	300.0	64818
880-34469-22	SW-4 (2.0')	Soluble	Solid	300.0	64818
880-34469-23	SW-5 (5.5')	Soluble	Solid	300.0	64818
880-34469-24	SW-6 (5.5')	Soluble	Solid	300.0	64818
880-34469-25	SW-7 (5.5')	Soluble	Solid	300.0	64818
880-34469-26	SW-8 (5.5')	Soluble	Solid	300.0	64818
880-34469-27	SW-9 (5.5')	Soluble	Solid	300.0	64818
880-34469-28	SW-10 (1.5')	Soluble	Solid	300.0	64818
880-34469-29	SW-11 (1.5')	Soluble	Solid	300.0	64818
880-34469-30	SW-12 (1.5')	Soluble	Solid	300.0	64818
880-34469-31	SW-13 (1.5')	Soluble	Solid	300.0	64818
880-34469-32	SW-14 (1.5')	Soluble	Solid	300.0	64818
880-34469-33	SW-15 (1.5')	Soluble	Solid	300.0	64818
MB 880-64818/1-A	Method Blank	Soluble	Solid	300.0	64818
LCS 880-64818/2-A	Lab Control Sample	Soluble	Solid	300.0	64818
LCSD 880-64818/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	64818
880-34469-28 MS	SW-10 (1.5')	Soluble	Solid	300.0	64818
880-34469-28 MSD	SW-10 (1.5')	Soluble	Solid	300.0	64818

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Client Sample ID: CS-1 (2.0')

Lab Sample ID: 880-34469-1

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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	64807	10/16/23 14:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64759	10/16/23 22:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64896	10/16/23 22:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			64874	10/16/23 23:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	64810	10/16/23 14:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64753	10/16/23 23:34	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	64817	10/16/23 15:41	CH	EET MID
Soluble	Analysis	300.0		1			64832	10/16/23 17:52	CH	EET MID

Client Sample ID: CS-2 (2.0')

Lab Sample ID: 880-34469-2

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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	64807	10/16/23 14:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64759	10/16/23 22:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64896	10/16/23 22:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			64874	10/17/23 00:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	64810	10/16/23 14:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64753	10/17/23 00:34	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	64817	10/16/23 15:41	CH	EET MID
Soluble	Analysis	300.0		1			64832	10/16/23 17:59	CH	EET MID

Client Sample ID: CS-3 (2.0')

Lab Sample ID: 880-34469-3

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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	64807	10/16/23 14:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64759	10/16/23 23:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64896	10/16/23 23:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			64874	10/17/23 00:54	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	64810	10/16/23 14:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64753	10/17/23 00:54	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	64817	10/16/23 15:41	CH	EET MID
Soluble	Analysis	300.0		1			64832	10/16/23 18:05	CH	EET MID

Client Sample ID: CS-4 (2.0')

Lab Sample ID: 880-34469-4

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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	64807	10/16/23 14:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64759	10/16/23 23:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64896	10/16/23 23:25	SM	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Client Sample ID: CS-4 (2.0')

Lab Sample ID: 880-34469-4

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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			64874	10/17/23 01:14	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	64810	10/16/23 14:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64753	10/17/23 01:14	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	64817	10/16/23 15:41	CH	EET MID
Soluble	Analysis	300.0		1			64832	10/16/23 18:12	CH	EET MID

Client Sample ID: CS-5 (5.5')

Lab Sample ID: 880-34469-5

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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	64807	10/16/23 14:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64759	10/16/23 23:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64896	10/16/23 23:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			64874	10/17/23 01:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	64810	10/16/23 14:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64753	10/17/23 01:34	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	64817	10/16/23 15:41	CH	EET MID
Soluble	Analysis	300.0		1			64832	10/16/23 18:32	CH	EET MID

Client Sample ID: CS-6 (5.5')

Lab Sample ID: 880-34469-6

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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	64807	10/16/23 14:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64759	10/17/23 00:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64896	10/17/23 00:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			64874	10/17/23 01:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	64810	10/16/23 14:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64753	10/17/23 01:54	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	64817	10/16/23 15:41	CH	EET MID
Soluble	Analysis	300.0		1			64832	10/16/23 18:39	CH	EET MID

Client Sample ID: CS-7 (5.5')

Lab Sample ID: 880-34469-7

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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	64807	10/16/23 14:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64759	10/17/23 00:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64896	10/17/23 00:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			64874	10/17/23 02:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	64810	10/16/23 14:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64753	10/17/23 02:15	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Client Sample ID: CS-7 (5.5')

Lab Sample ID: 880-34469-7

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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	64817	10/16/23 15:41	CH	EET MID
Soluble	Analysis	300.0		1			64832	10/16/23 18:45	CH	EET MID

Client Sample ID: CS-8 (1.5')

Lab Sample ID: 880-34469-8

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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	64807	10/16/23 14:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64759	10/17/23 00:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64896	10/17/23 00:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			64874	10/17/23 02:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	64810	10/16/23 14:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64753	10/17/23 02:36	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	64817	10/16/23 15:41	CH	EET MID
Soluble	Analysis	300.0		1			64832	10/16/23 18:52	CH	EET MID

Client Sample ID: CS-9 (1.5')

Lab Sample ID: 880-34469-9

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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	64807	10/16/23 14:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64759	10/17/23 01:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64896	10/17/23 01:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			64874	10/17/23 02:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	64810	10/16/23 14:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64753	10/17/23 02:57	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	64817	10/16/23 15:41	CH	EET MID
Soluble	Analysis	300.0		1			64832	10/16/23 18:59	CH	EET MID

Client Sample ID: CS-10 (1.5')

Lab Sample ID: 880-34469-10

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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	64807	10/16/23 14:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64759	10/17/23 01:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64896	10/17/23 01:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			64874	10/17/23 03:17	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	64810	10/16/23 14:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64753	10/17/23 03:17	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	64817	10/16/23 15:41	CH	EET MID
Soluble	Analysis	300.0		1			64832	10/16/23 19:05	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Client Sample ID: CS-11 (1.5')

Date Collected: 10/11/23 00:00

Date Received: 10/16/23 14:28

Lab Sample ID: 880-34469-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	64807	10/16/23 14:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64759	10/17/23 02:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64896	10/17/23 02:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			64874	10/17/23 03:58	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	64810	10/16/23 14:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64753	10/17/23 03:58	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	64817	10/16/23 15:41	CH	EET MID
Soluble	Analysis	300.0		1			64832	10/16/23 19:25	CH	EET MID

Client Sample ID: CS-12 (1.5')

Date Collected: 10/11/23 00:00

Date Received: 10/16/23 14:28

Lab Sample ID: 880-34469-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	64807	10/16/23 14:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64759	10/17/23 03:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64896	10/17/23 03:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			64874	10/17/23 04:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	64810	10/16/23 14:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64753	10/17/23 04:18	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	64817	10/16/23 15:41	CH	EET MID
Soluble	Analysis	300.0		1			64832	10/16/23 19:32	CH	EET MID

Client Sample ID: CS-13 (1.5')

Date Collected: 10/11/23 00:00

Date Received: 10/16/23 14:28

Lab Sample ID: 880-34469-13

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			4.97 g	5 mL	64807	10/16/23 14:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64759	10/17/23 03:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64896	10/17/23 03:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			64874	10/17/23 04:38	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	64810	10/16/23 14:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64753	10/17/23 04:38	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	64817	10/16/23 15:41	CH	EET MID
Soluble	Analysis	300.0		1			64832	10/16/23 19:52	CH	EET MID

Client Sample ID: CS-14 (1.5')

Date Collected: 10/11/23 00:00

Date Received: 10/16/23 14:28

Lab Sample ID: 880-34469-14

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			4.99 g	5 mL	64807	10/16/23 14:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64759	10/17/23 03:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64896	10/17/23 03:50	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Client Sample ID: CS-14 (1.5')

Date Collected: 10/11/23 00:00

Date Received: 10/16/23 14:28

Lab Sample ID: 880-34469-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			64874	10/17/23 04:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	64810	10/16/23 14:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64753	10/17/23 04:59	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	64817	10/16/23 15:41	CH	EET MID
Soluble	Analysis	300.0		1			64832	10/16/23 19:58	CH	EET MID

Client Sample ID: CS-15 (1.5')

Date Collected: 10/11/23 00:00

Date Received: 10/16/23 14:28

Lab Sample ID: 880-34469-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	64807	10/16/23 14:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64759	10/17/23 04:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64896	10/17/23 04:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			64874	10/17/23 05:19	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	64810	10/16/23 14:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64753	10/17/23 05:19	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	64817	10/16/23 15:41	CH	EET MID
Soluble	Analysis	300.0		1			64832	10/16/23 20:05	CH	EET MID

Client Sample ID: CS-16 (1.5')

Date Collected: 10/11/23 00:00

Date Received: 10/16/23 14:28

Lab Sample ID: 880-34469-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	64807	10/16/23 14:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64759	10/17/23 04:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64896	10/17/23 04:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			64874	10/17/23 05:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	64810	10/16/23 14:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64753	10/17/23 05:41	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	64817	10/16/23 15:41	CH	EET MID
Soluble	Analysis	300.0		1			64832	10/16/23 20:12	CH	EET MID

Client Sample ID: CS-17 (1.5')

Date Collected: 10/11/23 00:00

Date Received: 10/16/23 14:28

Lab Sample ID: 880-34469-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	64807	10/16/23 14:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64759	10/17/23 04:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64896	10/17/23 04:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			64874	10/17/23 06:01	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	64810	10/16/23 14:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64753	10/17/23 06:01	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Client Sample ID: CS-17 (1.5')

Date Collected: 10/11/23 00:00

Date Received: 10/16/23 14:28

Lab Sample ID: 880-34469-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.0 g	50 mL	64817	10/16/23 15:41	CH	EET MID
Soluble	Analysis	300.0		1			64832	10/16/23 20:18	CH	EET MID

Client Sample ID: CS-18 (1.5')

Date Collected: 10/11/23 00:00

Date Received: 10/16/23 14:28

Lab Sample ID: 880-34469-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	64807	10/16/23 14:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64759	10/17/23 05:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64896	10/17/23 05:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			64874	10/17/23 06:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	64810	10/16/23 14:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64753	10/17/23 06:23	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	64817	10/16/23 15:41	CH	EET MID
Soluble	Analysis	300.0		1			64832	10/16/23 20:25	CH	EET MID

Client Sample ID: SW-1 (2.0')

Date Collected: 10/11/23 00:00

Date Received: 10/16/23 14:28

Lab Sample ID: 880-34469-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	64807	10/16/23 14:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64759	10/17/23 05:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64896	10/17/23 05:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			64874	10/17/23 06:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	64810	10/16/23 14:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64753	10/17/23 06:46	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	64817	10/16/23 15:41	CH	EET MID
Soluble	Analysis	300.0		1			64832	10/16/23 20:32	CH	EET MID

Client Sample ID: SW-2 (2.0')

Date Collected: 10/11/23 00:00

Date Received: 10/16/23 14:28

Lab Sample ID: 880-34469-20

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	64807	10/16/23 14:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64759	10/17/23 05:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64896	10/17/23 05:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			64874	10/17/23 07:10	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	64810	10/16/23 14:56	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64753	10/17/23 07:10	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	64818	10/16/23 15:44	CH	EET MID
Soluble	Analysis	300.0		1			64839	10/16/23 18:50	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Client Sample ID: SW-3 (2.0')

Lab Sample ID: 880-34469-21

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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	64809	10/16/23 14:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64758	10/17/23 00:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64896	10/17/23 00:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			64874	10/16/23 21:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	64816	10/16/23 15:41	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64755	10/16/23 21:36	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	64818	10/16/23 15:44	CH	EET MID
Soluble	Analysis	300.0		1			64839	10/16/23 18:55	CH	EET MID

Client Sample ID: SW-4 (2.0')

Lab Sample ID: 880-34469-22

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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	64809	10/16/23 14:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64758	10/17/23 00:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64896	10/17/23 00:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			64874	10/16/23 22:42	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	64816	10/16/23 15:41	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64755	10/16/23 22:42	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	64818	10/16/23 15:44	CH	EET MID
Soluble	Analysis	300.0		1			64839	10/16/23 19:01	CH	EET MID

Client Sample ID: SW-5 (5.5')

Lab Sample ID: 880-34469-23

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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	64809	10/16/23 14:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64758	10/17/23 00:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64896	10/17/23 00:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			64874	10/16/23 23:03	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	64816	10/16/23 15:41	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64755	10/16/23 23:03	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	64818	10/16/23 15:44	CH	EET MID
Soluble	Analysis	300.0		1			64839	10/16/23 19:18	CH	EET MID

Client Sample ID: SW-6 (5.5')

Lab Sample ID: 880-34469-24

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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	64809	10/16/23 14:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64758	10/17/23 01:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64896	10/17/23 01:01	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Client Sample ID: SW-6 (5.5')
Date Collected: 10/11/23 00:00
Date Received: 10/16/23 14:28

Lab Sample ID: 880-34469-24
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			64874	10/16/23 23:24	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	64816	10/16/23 15:41	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64755	10/16/23 23:24	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	64818	10/16/23 15:44	CH	EET MID
Soluble	Analysis	300.0		1			64839	10/16/23 19:23	CH	EET MID

Client Sample ID: SW-7 (5.5')
Date Collected: 10/11/23 00:00
Date Received: 10/16/23 14:28

Lab Sample ID: 880-34469-25
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	64809	10/16/23 14:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64758	10/17/23 01:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64896	10/17/23 01:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			64874	10/16/23 23:45	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	64816	10/16/23 15:41	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64755	10/16/23 23:45	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	64818	10/16/23 15:44	CH	EET MID
Soluble	Analysis	300.0		1			64839	10/16/23 19:29	CH	EET MID

Client Sample ID: SW-8 (5.5')
Date Collected: 10/11/23 00:00
Date Received: 10/16/23 14:28

Lab Sample ID: 880-34469-26
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			5.03 g	5 mL	64809	10/16/23 14:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64758	10/17/23 01:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64896	10/17/23 01:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			64874	10/17/23 00:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	64816	10/16/23 15:41	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64755	10/17/23 00:07	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	64818	10/16/23 15:44	CH	EET MID
Soluble	Analysis	300.0		1			64839	10/16/23 19:35	CH	EET MID

Client Sample ID: SW-9 (5.5')
Date Collected: 10/11/23 00:00
Date Received: 10/16/23 14:28

Lab Sample ID: 880-34469-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	64809	10/16/23 14:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64758	10/17/23 02:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64896	10/17/23 02:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			64874	10/17/23 00:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	64816	10/16/23 15:41	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64755	10/17/23 00:28	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Client Sample ID: SW-9 (5.5')
Date Collected: 10/11/23 00:00
Date Received: 10/16/23 14:28

Lab Sample ID: 880-34469-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	64818	10/16/23 15:44	CH	EET MID
Soluble	Analysis	300.0		1			64839	10/16/23 19:40	CH	EET MID

Client Sample ID: SW-10 (1.5')
Date Collected: 10/11/23 00:00
Date Received: 10/16/23 14:28

Lab Sample ID: 880-34469-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	64809	10/16/23 14:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64758	10/17/23 02:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64896	10/17/23 02:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			64874	10/17/23 00:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	64816	10/16/23 15:41	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64755	10/17/23 00:48	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	64818	10/16/23 15:44	CH	EET MID
Soluble	Analysis	300.0		1			64839	10/16/23 19:46	CH	EET MID

Client Sample ID: SW-11 (1.5')
Date Collected: 10/11/23 00:00
Date Received: 10/16/23 14:28

Lab Sample ID: 880-34469-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	64809	10/16/23 14:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64758	10/17/23 02:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64896	10/17/23 02:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			64874	10/16/23 20:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	64816	10/16/23 15:41	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64757	10/16/23 20:29	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	64818	10/16/23 15:44	CH	EET MID
Soluble	Analysis	300.0		1			64839	10/16/23 20:03	CH	EET MID

Client Sample ID: SW-12 (1.5')
Date Collected: 10/11/23 00:00
Date Received: 10/16/23 14:28

Lab Sample ID: 880-34469-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	64809	10/16/23 14:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64758	10/17/23 03:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64896	10/17/23 03:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			64874	10/16/23 20:52	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	64816	10/16/23 15:41	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64757	10/16/23 20:52	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	64818	10/16/23 15:44	CH	EET MID
Soluble	Analysis	300.0		1			64839	10/16/23 20:08	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Client Sample ID: SW-13 (1.5')

Lab Sample ID: 880-34469-31

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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	64809	10/16/23 14:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64758	10/17/23 04:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64896	10/17/23 04:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			64874	10/16/23 21:14	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	64816	10/16/23 15:41	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64757	10/16/23 21:14	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	64818	10/16/23 15:44	CH	EET MID
Soluble	Analysis	300.0		1			64839	10/16/23 20:25	CH	EET MID

Client Sample ID: SW-14 (1.5')

Lab Sample ID: 880-34469-32

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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	64809	10/16/23 14:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64758	10/17/23 05:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64896	10/17/23 05:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			64874	10/16/23 21:36	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	64816	10/16/23 15:41	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64757	10/16/23 21:36	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	64818	10/16/23 15:44	CH	EET MID
Soluble	Analysis	300.0		1			64839	10/16/23 20:31	CH	EET MID

Client Sample ID: SW-15 (1.5')

Lab Sample ID: 880-34469-33

Date Collected: 10/11/23 00:00

Matrix: Solid

Date Received: 10/16/23 14:28

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	64809	10/16/23 14:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	64758	10/17/23 05:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			64896	10/17/23 05:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			64874	10/16/23 21:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	64816	10/16/23 15:41	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	64757	10/16/23 21:59	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	64818	10/16/23 15:44	CH	EET MID
Soluble	Analysis	300.0		1			64839	10/16/23 20:37	CH	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: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

Job ID: 880-34469-1
SDG: Lea County, New Mexico

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

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Federal USA J 001 (06.01.23)

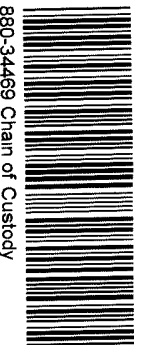
Job ID: 880-34469-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-34469-1	CS-1 (2.0')	Solid	10/11/23 00:00	10/16/23 14:28
880-34469-2	CS-2 (2.0')	Solid	10/11/23 00:00	10/16/23 14:28
880-34469-3	CS-3 (2.0')	Solid	10/11/23 00:00	10/16/23 14:28
880-34469-4	CS-4 (2.0')	Solid	10/11/23 00:00	10/16/23 14:28
880-34469-5	CS-5 (5.5')	Solid	10/11/23 00:00	10/16/23 14:28
880-34469-6	CS-6 (5.5')	Solid	10/11/23 00:00	10/16/23 14:28
880-34469-7	CS-7 (5.5')	Solid	10/11/23 00:00	10/16/23 14:28
880-34469-8	CS-8 (1.5')	Solid	10/11/23 00:00	10/16/23 14:28
880-34469-9	CS-9 (1.5')	Solid	10/11/23 00:00	10/16/23 14:28
880-34469-10	CS-10 (1.5')	Solid	10/11/23 00:00	10/16/23 14:28
880-34469-11	CS-11 (1.5')	Solid	10/11/23 00:00	10/16/23 14:28
880-34469-12	CS-12 (1.5')	Solid	10/11/23 00:00	10/16/23 14:28
880-34469-13	CS-13 (1.5')	Solid	10/11/23 00:00	10/16/23 14:28
880-34469-14	CS-14 (1.5')	Solid	10/11/23 00:00	10/16/23 14:28
880-34469-15	CS-15 (1.5')	Solid	10/11/23 00:00	10/16/23 14:28
880-34469-16	CS-16 (1.5')	Solid	10/11/23 00:00	10/16/23 14:28
880-34469-17	CS-17 (1.5')	Solid	10/11/23 00:00	10/16/23 14:28
880-34469-18	CS-18 (1.5')	Solid	10/11/23 00:00	10/16/23 14:28
880-34469-19	SW-1 (2.0')	Solid	10/11/23 00:00	10/16/23 14:28
880-34469-20	SW-2 (2.0')	Solid	10/11/23 00:00	10/16/23 14:28
880-34469-21	SW-3 (2.0')	Solid	10/11/23 00:00	10/16/23 14:28
880-34469-22	SW-4 (2.0')	Solid	10/11/23 00:00	10/16/23 14:28
880-34469-23	SW-5 (5.5')	Solid	10/11/23 00:00	10/16/23 14:28
880-34469-24	SW-6 (5.5')	Solid	10/11/23 00:00	10/16/23 14:28
880-34469-25	SW-7 (5.5')	Solid	10/11/23 00:00	10/16/23 14:28
880-34469-26	SW-8 (5.5')	Solid	10/11/23 00:00	10/16/23 14:28
880-34469-27	SW-9 (5.5')	Solid	10/11/23 00:00	10/16/23 14:28
880-34469-28	SW-10 (1.5')	Solid	10/11/23 00:00	10/16/23 14:28
880-34469-29	SW-11 (1.5')	Solid	10/11/23 00:00	10/16/23 14:28
880-34469-30	SW-12 (1.5')	Solid	10/11/23 00:00	10/16/23 14:28
880-34469-31	SW-13 (1.5')	Solid	10/11/23 00:00	10/16/23 14:28
880-34469-32	SW-14 (1.5')	Solid	10/11/23 00:00	10/16/23 14:28
880-34469-33	SW-15 (1.5')	Solid	10/11/23 00:00	10/16/23 14:28

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

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

Work Order Comments	
Program: UST/PST	☐ PRP ☐ brownfields ☐ RC ☐ Superfund
State of Project:	
Reporting Level II	☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables: EDD	☐ ADAPT ☐ Other



880-34469 Chain of Custody

Page 1 of 4

Project Name:	Federal USA J 001 (06 01 23)	Turn Around	☐ Routine ☒ Rush	Pres. Code	ANALYSIS REQUEST										Preservative Codes									
Project Number	2064																				None NO	DI Water H ₂ O		
Project Location	Lea County, New Mexico	Due Date	24 Hrs																		Cool Cool	MeOH Me		
Sampler's Name	JR																				HCL HC	HNO ₃ HN		
PO #																					H ₂ SO ₄ H ₂	NaOH Na		
SAMPLE RECEIPT	Temp Blank	Yes	No	Wet Ice	Yes	No															H ₃ PO ₄ HP			
Received Intact:	Yes	No		Thermometer ID																	NaHSO ₄ NABIS			
Cooler Custody Seals	Yes	No		Correction Factor																	Na ₂ S ₂ O ₃ NaSO ₃			
Sample Custody Seals	Yes	No		Temperature Reading																	Zn Acetate+NaOH Zn			
Total Containers				Corrected Temperature																	NaOH+Ascorbic Acid SAPC			

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters																				Sample Comments									
							BTEX 8021B																													
							TPH 8015M (GRO + DRO + MRO)																													
							Chloride 300.0																													
CS-1 (2 0)	10/11/2023		X		C	1	X	X	X	X																										
CS-2 (2 0)	10/11/2023		X		C	1	X	X	X	X																										
CS-3 (2 0)	10/11/2023		X		C	1	X	X	X	X																										
CS-4 (2 0)	10/11/2023		X		C	1	X	X	X	X																										
CS-5 (5 5)	10/11/2023		X		C	1	X	X	X	X																										
CS-6 (5 5)	10/11/2023		X		C	1	X	X	X	X																										
CS-7 (5 5)	10/11/2023		X		C	1	X	X	X	X																										
CS-8 (1 5)	10/11/2023		X		C	1	X	X	X	X																										
CS-9 (1 5)	10/11/2023		X		C	1	X	X	X	X																										
CS-10 (1 5)	10/11/2023		X		C	1	X	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
	10/16/23		10/16/23

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

Work Order No: 34469

10/17/2023

Project Manager

Company Name

Address

City, State ZIP

Phone

Conner Moehring

Carmora Resources

310 W Wall St Ste 500

Midland, TX 79701

432-813-6823

Bill to (if different)

Company Name

Address

City State ZIP

Email

mcarmora@carmoraresources.com

Project Name

Project Number

Project Location

Sampler's Name

PO #

Federal USA J 001 (06 01 23)

2064

Lea County, New Mexico

JR

Turn Around

Due Date

24 Hrs

☐ Routine

☒ Rush

Temp Blank

Thermometer ID

Well Ice

Yes

No

Received Intact

Cooler Custody Seals

Sample Custody Seals

Total Containers

Yes

No

Yes

No

N/A

Yes

No

N/A

Parameters

BTEX 8021B

TPH 8015M (GRO + DRO + MRO)

Chloride 300.0

ANALYSIS REQUEST

Preservative Codes

None NO

Cool Cool

HCL HC

H₂SO₄ H₂

H₃PO₄ HP

NaHSO₄ NABIS

Na₂S₂O₃ NaSO₃

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Identification

Date

Time

Soil

Water

Grab/Comp

of Cont

CS-11 (1 5)

10/11/2023

X

C

1

CS-12 (1 5)

10/11/2023

X

C

1

CS-13 (1 5)

10/11/2023

X

C

1

CS-14 (1 5)

10/11/2023

X

C

1

CS-15 (1 5)

10/11/2023

X

C

1

CS-16 (1 5)

10/11/2023

X

C

1

CS-17 (1 5)

10/11/2023

X

C

1

CS-18 (1 5)

10/11/2023

X

C

1

SW-1 (2 0)

10/11/2023

X

C

1

SW-2 (2 0)

10/11/2023

X

C

1

Comments: Email to Mike Carmora / mcarmora@carmoraresources.com and Conner Moehring / cmoehring@carmoraresources.com

Relinquished by (Signature)

Date/Time

Received by (Signature)

Date/Time

Work Order No: 34469

Page 3 of 4

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

Work Order Comments				
Program:	UST/PT	☐ PRP	☐ Brownfields	☐ RC ☐ Superfund
State of Project:				
Reporting Level II	☐ Level III	☐ ST/UST	☐ RRP	☐ Level IV ☐
Deliverables	EDD ☐	Adapt ☐	Other ☐	

[illegible]

Comments Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	10/16/28		
	1428		

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

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables EDD ☐ ADAPT ☐ Other	

Work Order No: _____

Loc: 880
34469

[illegible]

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	10/16/25 1,428		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-34469-1

SDG Number: Lea County, New Mexico

Login Number: 34469

List Number: 1

List Source: Eurofins Midland

Creator: Rodriguez, Leticia

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 282837

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 282837
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	None	2/16/2024