



SITE INFORMATION

Closure Report
Baseball Cap Federal 25P (06.01.23)
Incident #: NAPP2315638497
Lea County, New Mexico
Unit P Sec 25 T24S R34E
32.1841°, -103.4174°

Crude Oil Release
Point of Release: Flare fire
Release Date: 06.01.23
Volume Released: 1.9218 Barrels of Crude Oil
Volume Recovered: 0 Barrels of Crude Oil

CARMONA RESOURCES



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

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



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August 19, 2023

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

Re: Closure Report
Baseball Cap Federal 25P (06.01.23)
Concho Operating, LLC
Site Location: Unit P, S25, T24S, R34E
(Lat 32.1841°, Long -103.4174°)
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 assessment activities for the Baseball Cap Federal 25P (06.01.23). The site is located at 32.1841, -103.4174 within Unit P, S25, T24S, R34E, 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, due to a free water knockout overflow causing a flare fire. It resulted in approximately one point nine two one eight (1.9218) barrels of crude oil and zero (0) barrels of crude oil recovered. The impacted area occurred on the pad and into the pasture, shown in Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, one known water source is within a 0.50-mile radius of the location. The closest well is approximately 0.43 miles northeast of the site in S25, T24S, R34E and was drilled in 2023. The well has a reported depth to groundwater of 180 feet below the ground surface (ft bgs). A copy of the associated point of diversion 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: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO + DRO).
- Chloride: 20,000 mg/kg.

4.0 Site Assessment Activities

Initial Assessment

On June 8, 2023, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of five (5) sample points (S-1 through S-5) and six (6) horizontal sample points (H-1 through H-6) were installed to total depths ranging from surface to 1.0' bgs inside and around the perimeter of the release area. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported



under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

See Table 1 for the analytical results.

5.0 Remediation Activities

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOC division office was notified via email on August 4, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of fifteen (15) confirmation floor samples were collected (CS-1 through CS-15), and eleven (11) sidewall samples (SW-1 through SW-11) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

All final confirmation samples were below the reclamation and 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. Approximately 180 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. The final C-141 is attached, and COG formally requests the closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

Mike Carmona
Environmental Manager


Conner Moehring
Sr. Project Manager

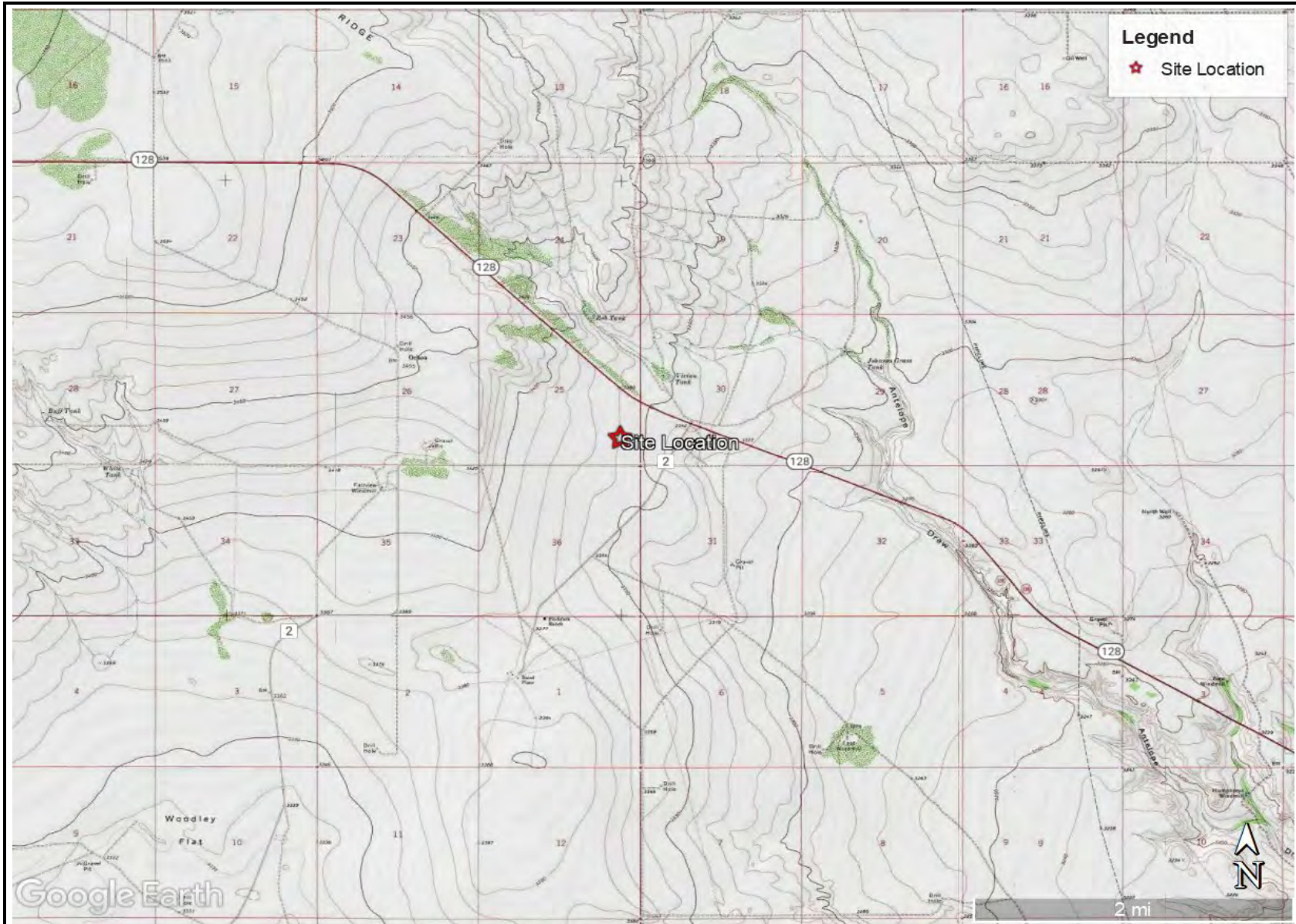
FIGURES

CARMONA RESOURCES





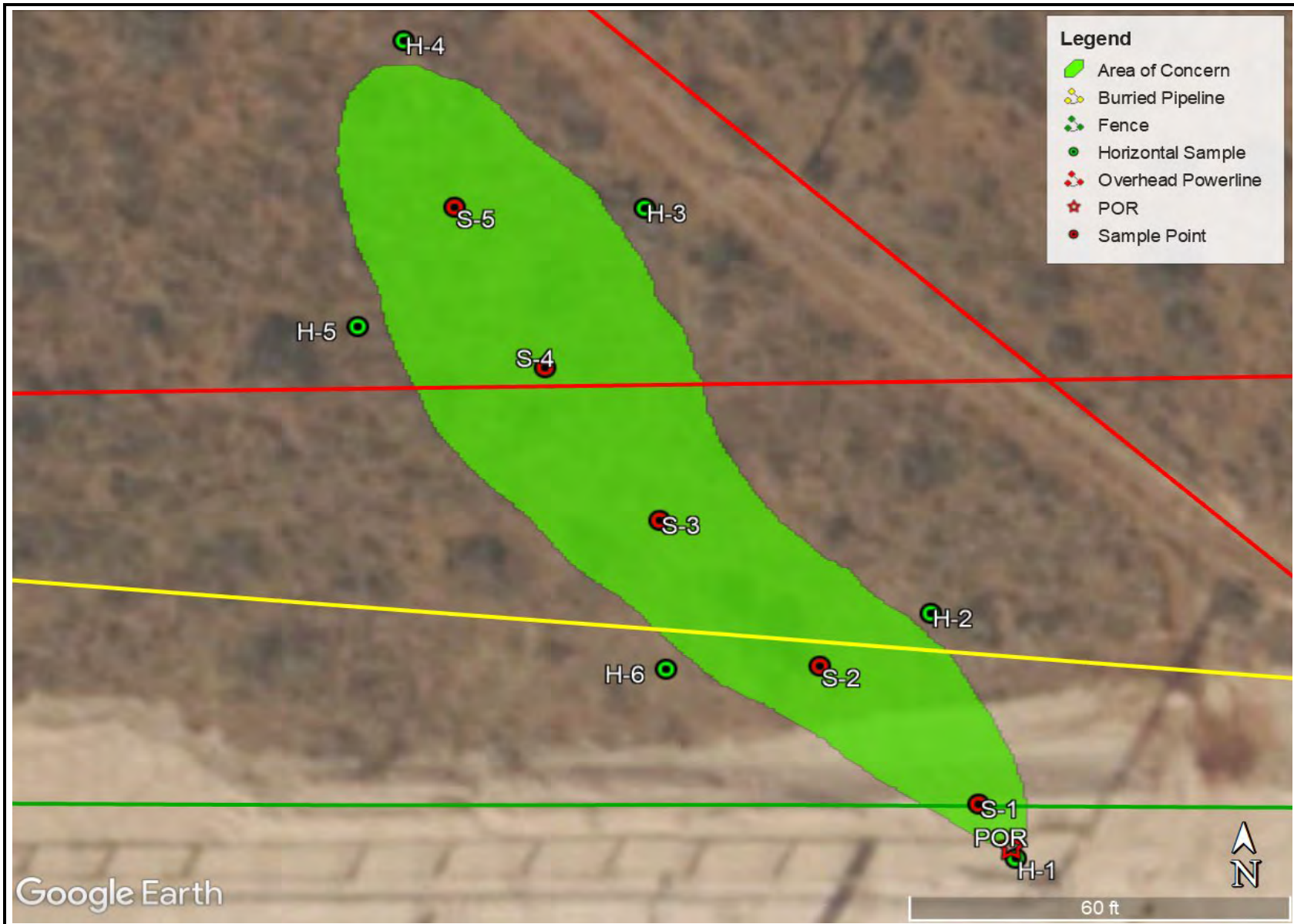
<p>OVERVIEW MAP COG OPERATING, LLC BASEBALL CAP FEDERAL 25P (06.01.23) LEA COUNTY, NEW MEXICO 32.1841°, -103.4174°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 1</p>
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TOPOGRAPHIC MAP
COG OPERATING, LLC
BASEBALL CAP FEDERAL 25P (06.01.23)
LEA COUNTY, NEW MEXICO
32.1841°, -103.4174°



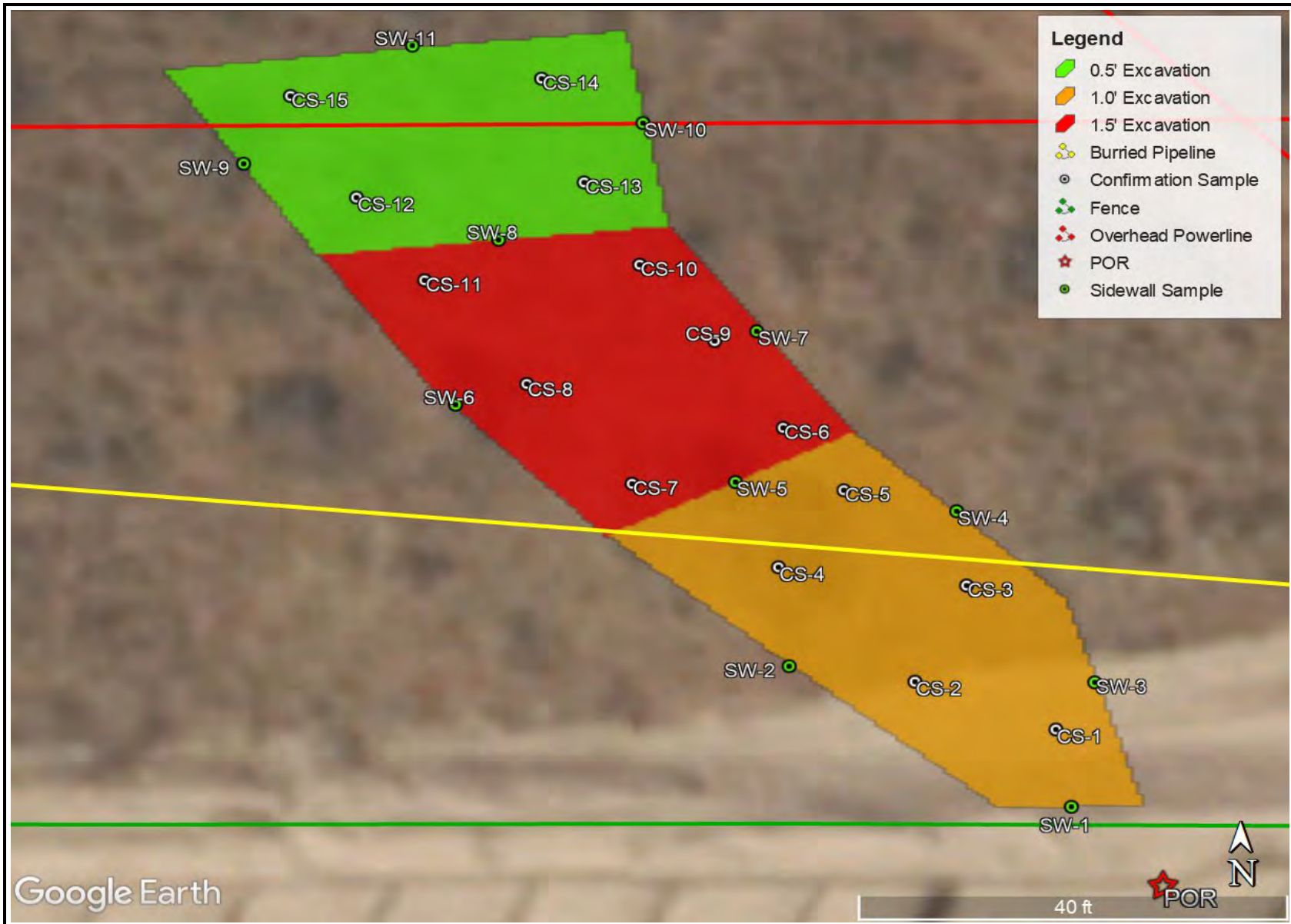
FIGURE 2




SAMPLE LOCATION MAP
COG OPERATING, LLC
BASEBALL CAP FEDERAL 25P (06.01.23)
LEA COUNTY, NEW MEXICO
32.1841°, -103.4174°



FIGURE 3



<p>EXCAVATION DEPTH MAP COG OPERATING, LLC BASEBALL CAP FEDERAL 25P (06.01.23) LEA COUNTY, NEW MEXICO 32.1841°, -103.4174°</p>	<p>CARMONA RESOURCES </p>	<p>FIGURE 4</p>
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APPENDIX A

CARMONA RESOURCES



Table 1
COG Operating, LLC
Baseball Cap Federal 25P (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						
On Pad (Below)												
S-1	6/8/2023	0-3"	<249	10,100	<249	10,100	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	67.1
	"	6"	<249	12,400	<249	12,400	<0.00202	0.0119	<0.00202	<0.00403	0.0119	62.5
	"	1'	<49.9	116	<49.9	116	<0.00200	0.0102	<0.00200	<0.00401	0.0102	41.8
Off Pad (Below)												
S-2	6/8/2023	0-3"	<249	7,340	<249	7,340	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	92.1
	"	6"	<49.9	123	<49.9	123	<0.00200	0.0106	<0.00200	<0.00400	0.0106	51.4
	"	1'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	50.7
S-3	6/8/2023	0-3"	<249	11,400	<249	11,400	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	44.4
	"	6"	<250	10,100	<250	10,100	<0.00201	0.0127	<0.00201	0.0600	0.0727	43.5
	"	1'	<49.9	107	<49.9	107	<0.00200	<0.00200	<0.00200	0.0437	0.0437	39.6
S-4	6/8/2023	0-3"	<49.8	151	<49.8	151	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	37.8
	"	6"	<49.9	64.5	<49.9	64.5	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	54.8
	"	1'	<50.0	63.0	<50.0	63.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	56.5
S-5	6/8/2023	0-3"	<49.9	100	<49.9	100	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	29.1
	"	6"	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	60.1
	"	1'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	30.3
H-1	6/8/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	43.7
H-2	6/8/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	38.6
H-3	6/8/2023	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	42.2
H-4	6/8/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	45.2
H-5	6/8/2023	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	37.3
H-6	6/8/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	30.3
Regulatory Criteria^A			1,000 mg/kg		2,500 mg/kg		10 mg/kg				50 mg/kg	20,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) Soil Sample

(H) Horizontal Sample

Removed

Table 2
COG Operating, LLC
Baseball Cap Federal 25P (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						
CS-1	8/8/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-2	8/8/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.00200	<0.050	<0.050	<0.150	<0.300	16.0
CS-3	8/8/2023	1.0	<10.0	18.1	<10.0	18.1	<0.00199	<0.050	<0.050	<0.150	<0.300	<16.0
CS-4	8/8/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.00200	<0.050	<0.050	<0.150	<0.300	32.0
CS-5	8/8/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.00201	<0.050	<0.050	<0.150	<0.300	16.0
CS-6	8/8/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.00201	<0.050	<0.050	<0.150	<0.300	<16.0
CS-7	8/8/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.00199	<0.050	<0.050	<0.150	<0.300	16.0
CS-8	8/8/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.00198	<0.050	<0.050	<0.150	<0.300	32.0
CS-9	8/8/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.00202	<0.050	<0.050	<0.150	<0.300	32.0
CS-10	8/8/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.00199	<0.050	<0.050	<0.150	<0.300	16.0
CS-11	8/8/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.00200	<0.050	<0.050	<0.150	<0.300	32.0
CS-12	8/8/2023	0.5	<10.0	<10.0	<10.0	<10.0	<0.00202	<0.050	<0.050	<0.150	<0.300	16.0
CS-13	8/8/2023	0.5	<10.0	<10.0	<10.0	<10.0	<0.00200	<0.050	<0.050	<0.150	<0.300	<16.0
CS-14	8/8/2023	0.5	<10.0	<10.0	<10.0	<10.0	<0.00200	<0.050	<0.050	<0.150	<0.300	<16.0
CS-15	8/8/2023	0.5	<10.0	<10.0	<10.0	<10.0	<0.00201	<0.050	<0.050	<0.150	<0.300	16.0
Regulatory Criteria^A			1,000 mg/kg		2,500 mg/kg		10 mg/kg				50 mg/kg	20,000 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(CS) Confirmation Sample

Table 2
COG Operating, LLC
Baseball Cap Federal 25P (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						
SW-1	8/8/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.00198	<0.050	<0.050	<0.150	<0.300	96.0
SW-2	8/8/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.00199	<0.050	<0.050	<0.150	<0.300	32.0
SW-3	8/8/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.00200	<0.050	<0.050	<0.150	<0.300	32.0
SW-4	8/8/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.00201	<0.050	<0.050	<0.150	<0.300	<16.0
SW-5	8/8/2023	0.5	<10.0	11.8	<10.0	11.8	<0.00200	<0.050	<0.050	<0.150	<0.300	48.0
SW-6	8/8/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.00200	<0.050	<0.050	<0.150	<0.300	32.0
SW-7	8/8/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.00199	<0.050	<0.050	<0.150	<0.300	32.0
SW-8	8/8/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.00199	<0.050	<0.050	<0.150	<0.300	16.0
SW-9	8/8/2023	0.5	<10.0	<10.0	<10.0	<10.0	<0.00200	<0.050	<0.050	<0.150	<0.300	16.0
SW-10	8/8/2023	0.5	<10.0	<10.0	<10.0	<10.0	<0.00201	<0.050	<0.050	<0.150	<0.300	32.0
SW-11	8/8/2023	0.5	<10.0	<10.0	<10.0	<10.0	<0.00202	<0.050	<0.050	<0.150	<0.300	16.0
Regulatory Criteria^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	20,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 1

Facility: Baseball Cap Federal 25P
(06.01.23)

County: Lea County, New Mexico

Description:
View South, Area of CS-1 through CS-3.

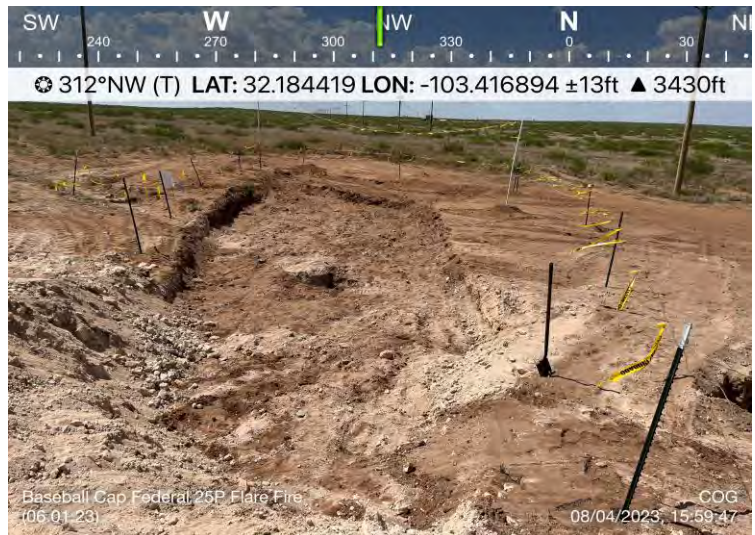


Photograph No. 2

Facility: Baseball Cap Federal 25P
(06.01.23)

County: Lea County, New Mexico

Description:
View Northwest, area of CS-4 through CS-11.



Photograph No. 3

Facility: Baseball Cap Federal 25P
(06.01.23)

County: Lea County, New Mexico

Description:
View South, area of CS-12 through CS-15.



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 4

Facility: Baseball Cap Federal 25P
(06.01.23)

County: Lea County, New Mexico

Description:
View Northwest, backfilled area of CS-1 through CS-7.



Photograph No. 5

Facility: Baseball Cap Federal 25P
(06.01.23)

County: Lea County, New Mexico

Description:
View Southeast, backfilled area of CS-8 through CS-15.



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)

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

Cause of Release

State of New Mexico
Oil Conservation Division


Page 2

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input type="checkbox"/> 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

<input type="checkbox"/> The source of the release has been stopped. <input type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input type="checkbox"/> 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></u> Date: _____ email: _____ Telephone: _____
<u>OCD Only</u> Received by: <u>Jocelyn Harimon</u> Date: <u>06/05/2023</u>

*Received by OGD: 8/22/2023 10:25:35 AM**Page 20 of 141*

Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Average Depth (in.)	On/Off Pad (dropdown)	Soil Spilled-Fluid Saturation (%)	Estimated volume of each area (bbl.)	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.)	Total Estimated Contaminated Soil, uncompacted, 25% (yd ³ .)	Current Rule of Thumb - RMR Handover Volume, (yd ³ .)
Rectangle A	5.0	15.0	0.1	On-Pad ✓	8.00%	0.14	0.01		0.00	0.01	0.04	750
Rectangle B	150.0	60.0	0.1	Off-Pad ✓	11.45%	16.69	1.91		0.00	1.91	4.34	
Rectangle C				✓		0.00					0.00	
Rectangle D				✓		0.00					0.00	
Rectangle E				✓		0.00					0.00	
Rectangle F				✓		0.00					0.00	
Rectangle G				✓		0.00					0.00	
Rectangle H				✓		0.00					0.00	
Rectangle I				✓		0.00					0.00	
				✓		0.00					0.00	
Total Subsurface Volume Released:							1.9218		0.0000	1.9218	4.38	BU

Released to Imaging: 12/5/2023 11:56:30 AM

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 223844

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 223844
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	6/5/2023

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?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input type="checkbox"/> 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?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input type="checkbox"/> 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.

<p><u>Characterization Report Checklist:</u> Each of the following items must be included in the report.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. <input type="checkbox"/> Field data <input type="checkbox"/> Data table of soil contaminant concentration data <input type="checkbox"/> Depth to water determination <input type="checkbox"/> Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release <input type="checkbox"/> Boring or excavation logs <input type="checkbox"/> Photographs including date and GIS information <input type="checkbox"/> Topographic/Aerial maps <input type="checkbox"/> 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: Jacob Laird Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells Date: 8/22/2023

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: Jacob Laird Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells Date: 8/22/2023

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

Closure Approved by: Nelson Velez Date: 12/05/2023

Printed Name: Nelson Velez Title: Environmental Specialist - Adv

From: Wells, Shelly, EMNRD
Sent: Friday, August 4, 2023 9:54 AM
To: Conner Moehring
Cc: Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD
Subject: RE: [EXTERNAL] COG - Baseball Cap Federal 25P (06.01.23) - NAPP2315638497 - 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
Administrative Permitting Program
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, August 4, 2023 7:02 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Laird, Jacob <Jacob.Laird@conocophillips.com>; Mike Carmona <Mcarmona@carmonaresources.com>; Devin Dominguez <Ddominguez@carmonaresources.com>
Subject: [EXTERNAL] COG - Baseball Cap Federal 25P (06.01.23) - NAPP2315638497 - Sampling Notification

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

Good Morning,

This email serves as a notification for confirmation sampling on the Baseball Cap Federal 25P (06.01.23). Sampling is scheduled to begin on Tuesday, August 8th, around 7:30 a.m. Mountain Time. Carmona Resources personnel will be on-site to collect the confirmation samples.

Incident No. NAPP2315638497

Please call if you have any questions or comments.

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



APPENDIX D









CARMONA RESOURCES



Nearest water well

COG Operating

Legend

-  0.43 Miles
-  0.50 Mile Radius
-  0.66 Miles
-  1.33 Miles
-  1.48 Miles
-  Baseball Cap Federal 25P (06.01.23)
-  NMSEO Water Well
-  USGS Water Well

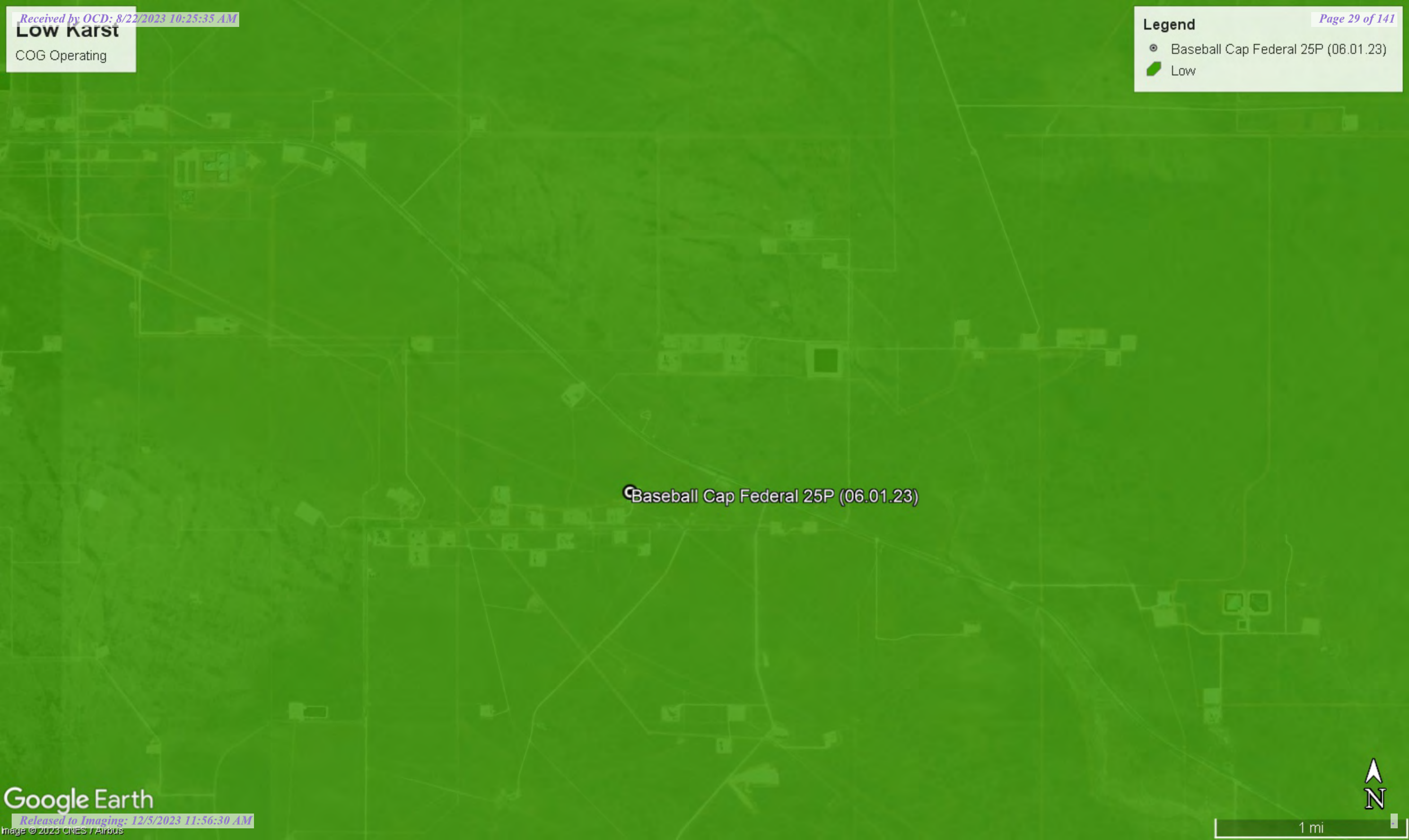


Low Karst

COG Operating

Legend

- Baseball Cap Federal 25P (06.01.23)
- Low



Baseball Cap Federal 25P (06.01.23)





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
C 04682	C	LE		4	4	2	25	24S	34E	649349	3562621	700	290	180	110
C 04042 POD1	CUB	LE		2	1	4	36	24S	34E	648539	3561545	763			
CP 00839 POD1	CP	LE			4	3	30	24S	35E	650017	3561833*	830	175		
C 02401	CUB	LE		2	2	1	01	25S	34E	648534	3559896*	2146	275	260	15
C 03942 POD1	CUB	LE		3	1	2	35	24S	34E	647005	3561246	2295	420	222	198
C 02388	CUB	LE				3	05	25S	35E	651467	3558832*	3850	180	165	15

Average Depth to Water: **206 feet**
 Minimum Depth: **165 feet**
 Maximum Depth: **260 feet**

Record Count: 6

UTMNAD83 Radius Search (in meters):

Easting (X): 649193

Northing (Y): 3561939

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.



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)						(NAD83 UTM in meters)	
		(quarters are smallest to largest)							
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04682	4	4	2	25	24S	34E	649349	3562621

Driller License: 1058	Driller Company: KEY'S DRILLING & PUMP SERVICE	
Driller Name: GARY KEY		
Drill Start Date: 12/20/2022	Drill Finish Date: 01/18/2023	Plug Date: 01/18/2023
Log File Date: 02/08/2023	PCW Rev Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield: 3 GPM
Casing Size: 4.50	Depth Well: 290 feet	Depth Water: 180 feet

Water Bearing Stratifications:	Top	Bottom	Description
	157	270	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	160	290

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6/5/23 11:51 AM

POINT OF DIVERSION SUMMARY



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National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

Click to hide News 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 =

- 321039103243402

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

USGS 321039103243402 24S.35E.30.342331

Lea County, New Mexico
 Latitude 32°10'39", Longitude 103°24'34" NAD27
 Land-surface elevation 3,343 feet above NAVD88
 The depth of the well is 176 feet below land surface.
 This well is completed in the Other aquifers (N9999OTHER) national aquifer.
 This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1970-12-08			D 62610		3201.64	NGVD29	1	Z		
1970-12-08			D 62611		3203.19	NAVD88	1	Z		
1970-12-08			D 72019	139.81			1	Z		
1976-01-15			D 62610		3202.27	NGVD29	1	Z		
1976-01-15			D 62611		3203.82	NAVD88	1	Z		
1976-01-15			D 72019	139.18			1	Z		
1981-03-20			D 62610		3201.85	NGVD29	1	Z		
1981-03-20			D 62611		3203.40	NAVD88	1	Z		
1981-03-20			D 72019	139.60			1	Z		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day

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

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Title: Groundwater for New Mexico: Water Levels

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



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

Page Last Modified: 2023-06-05 13:59:09 EDT

0.78 0.52 nadww02



New Mexico Office of the State Engineer Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)						(NAD83 UTM in meters)	
		Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	02401	2	2	1	01	25S	34E	648534	3559896*

Driller License:		Driller Company:	
Driller Name:	OTIS PRUIT		
Drill Start Date:		Drill Finish Date:	04/30/1961
Log File Date:		PCW Rev Date:	
Pump Type:		Pipe Discharge Size:	
Casing Size:	5.00	Depth Well:	275 feet
		Plug Date:	
		Source:	
		Estimated Yield:	4 GPM
		Depth Water:	260 feet

*UTM location was derived from PLSS - see Help

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6/5/23 11:52 AM

POINT OF DIVERSION SUMMARY



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National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

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

- 321025103263601

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

USGS 321025103263601 24S.34E.35.12411

Lea County, New Mexico
 Latitude 32°10'44.0", Longitude 103°26'31.2" NAD83
 Land-surface elevation 3,409.00 feet above NGVD29
 The depth of the well is 257 feet below land surface.
 This well is completed in the Other aquifers (N9999OTHER) national aquifer.
 This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1953-03-29			D 62610		3185.10	NGVD29	1		Z	
1953-03-29			D 62611		3186.69	NAVD88	1		Z	
1953-03-29			D 72019	223.90			1		Z	
1971-01-13			D 62610		3190.96	NGVD29	1		Z	
1971-01-13			D 62611		3192.55	NAVD88	1		Z	
1971-01-13			D 72019	218.04			1		Z	
1976-01-15			D 62610		3189.94	NGVD29	1		Z	
1976-01-15			D 62611		3191.53	NAVD88	1		Z	
1976-01-15			D 72019	219.06			1		Z	
1981-03-20			D 62610		3191.29	NGVD29	1		Z	
1981-03-20			D 62611		3192.88	NAVD88	1		Z	
1981-03-20			D 72019	217.71			1		Z	
1986-03-06			D 62610		3185.50	NGVD29	1		Z	
1986-03-06			D 62611		3187.09	NAVD88	1		Z	

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1986-03-06			D	72019	223.50					
1991-05-31			D	62610		3189.82	NGVD29	1		Z
1991-05-31			D	62611		3191.41	NAVD88	1		Z
1991-05-31			D	72019	219.18			1		Z
1996-03-14			D	62610		3189.81	NGVD29	1		S
1996-03-14			D	62611		3191.40	NAVD88	1		S
1996-03-14			D	72019	219.19			1		S
2013-01-16	22:00 UTC		m	62610		3185.06	NGVD29	1		S USGS
2013-01-16	22:00 UTC		m	62611		3186.65	NAVD88	1		S USGS
2013-01-16	22:00 UTC		m	72019	223.94			1		S USGS

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 Minute
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	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Title: Groundwater for New Mexico: Water Levels

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

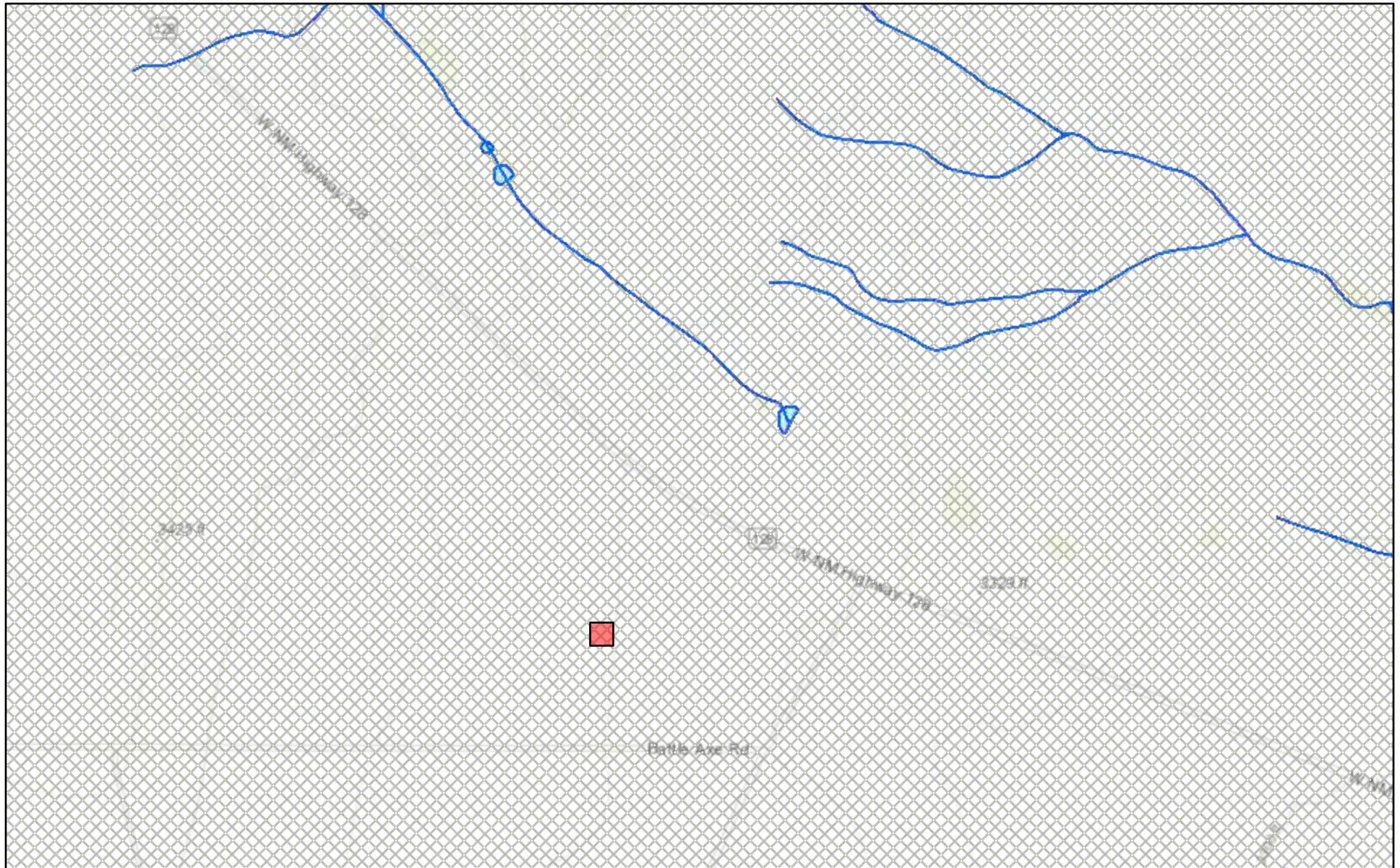


Page Contact Information: [New Mexico Water Data Maintainer](#)

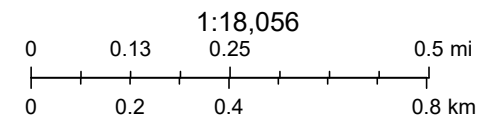
Page Last Modified: 2023-06-05 13:58:14 EDT

1.5 0.46 nadww02

New Mexico NFHL Data



June 5, 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: Mike Carmona
 Carmona Resources
 310 W Wall St
 Ste 500
 Midland, Texas 79701

Generated 6/15/2023 1:24:39 PM

JOB DESCRIPTION

Baseball Cap Federal 25P (06.01.23)
 SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-29349-1

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
6/15/2023 1:24:39 PM

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

Client: Carmona Resources
Project/Site: Baseball Cap Federal 25P (06.01.23)

Laboratory Job ID: 880-29349-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29349-1
 SDG: Lea County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
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: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29349-1
SDG: Lea County, New Mexico

Job ID: 880-29349-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-29349-1****Receipt**

The samples were received on 6/9/2023 3:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.1°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (880-29349-1), H-2 (880-29349-2), H-3 (880-29349-3), H-4 (880-29349-4), H-5 (880-29349-5) and H-6 (880-29349-6).

GC VOA

Method 8021B: CCV was biased low for o-xylene and m,p xylenes. Another CCV was analyzed and acceptable for the compounds within the 12 hour window; therefore, the associated data was qualified and reported.(CCV 880-55243/33)

Method 8021B: CCV was biased low for benzene. Another CCV was analyzed and acceptable for the compound within the 12 hour window; therefore, the associated data was qualified and reported.(CCV 880-55243/51)

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCS 880-55215/1-A), (MB 880-55176/5-A) and (MB 880-55215/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-55378 and analytical batch 880-55374 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: H-2 (880-29349-2), (MB 880-55378/5-A), (880-29349-A-2-D MS) and (880-29349-A-2-E MSD). Evidence of matrix interferences is not obvious.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-55378 and analytical batch 880-55374 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H-1 (880-29349-1), H-2 (880-29349-2), H-3 (880-29349-3), H-4 (880-29349-4), H-5 (880-29349-5), (880-29351-A-11-D), (880-29351-A-11-E MS) and (880-29351-A-11-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 sample was outside control limits: (MB 880-55379/1-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29349-1
SDG: Lea County, New Mexico

Client Sample ID: H-1

Lab Sample ID: 880-29349-1

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/10/23 15:04	06/13/23 07:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/10/23 15:04	06/13/23 07:14	1
Ethylbenzene	<0.00199	U *1	0.00199		mg/Kg		06/10/23 15:04	06/13/23 07:14	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		06/10/23 15:04	06/13/23 07:14	1
o-Xylene	<0.00199	U *- *1	0.00199		mg/Kg		06/10/23 15:04	06/13/23 07:14	1
Xylenes, Total	<0.00398	U *- *1	0.00398		mg/Kg		06/10/23 15:04	06/13/23 07:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	06/10/23 15:04	06/13/23 07:14	1
1,4-Difluorobenzene (Surr)	85		70 - 130	06/10/23 15:04	06/13/23 07:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/13/23 11:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/15/23 12:35	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		06/13/23 09:45	06/15/23 08:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/13/23 09:45	06/15/23 08:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/13/23 09:45	06/15/23 08:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	149	S1+	70 - 130	06/13/23 09:45	06/15/23 08:43	1
o-Terphenyl	128		70 - 130	06/13/23 09:45	06/15/23 08:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.7		4.98		mg/Kg			06/12/23 15:08	1

Client Sample ID: H-2

Lab Sample ID: 880-29349-2

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/13/23 09:33	06/13/23 11:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/13/23 09:33	06/13/23 11:21	1
Ethylbenzene	<0.00199	U F1 F2	0.00199		mg/Kg		06/13/23 09:33	06/13/23 11:21	1
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.00398		mg/Kg		06/13/23 09:33	06/13/23 11:21	1
o-Xylene	<0.00199	U F1 F2	0.00199		mg/Kg		06/13/23 09:33	06/13/23 11:21	1
Xylenes, Total	<0.00398	U F1 F2	0.00398		mg/Kg		06/13/23 09:33	06/13/23 11:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	69	S1-	70 - 130	06/13/23 09:33	06/13/23 11:21	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/13/23 09:33	06/13/23 11:21	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29349-1
 SDG: Lea County, New Mexico

Client Sample ID: H-2

Lab Sample ID: 880-29349-2

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/13/23 17:28	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			06/15/23 12:35	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		06/13/23 09:45	06/15/23 09:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/13/23 09:45	06/15/23 09:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/13/23 09:45	06/15/23 09:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130				06/13/23 09:45	06/15/23 09:04	1
o-Terphenyl	120		70 - 130				06/13/23 09:45	06/15/23 09:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.6		5.02		mg/Kg			06/12/23 15:24	1

Client Sample ID: H-3

Lab Sample ID: 880-29349-3

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/13/23 09:33	06/13/23 11:42	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/13/23 09:33	06/13/23 11:42	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/13/23 09:33	06/13/23 11:42	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/13/23 09:33	06/13/23 11:42	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/13/23 09:33	06/13/23 11:42	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/13/23 09:33	06/13/23 11:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				06/13/23 09:33	06/13/23 11:42	1
1,4-Difluorobenzene (Surr)	89		70 - 130				06/13/23 09:33	06/13/23 11:42	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			06/13/23 17:28	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			06/15/23 12:35	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		06/13/23 09:45	06/15/23 09:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/13/23 09:45	06/15/23 09:31	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29349-1
 SDG: Lea County, New Mexico

Client Sample ID: H-3

Lab Sample ID: 880-29349-3

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

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		06/13/23 09:45	06/15/23 09:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	153	S1+	70 - 130				06/13/23 09:45	06/15/23 09:31	1
o-Terphenyl	128		70 - 130				06/13/23 09:45	06/15/23 09:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.2		5.05		mg/Kg			06/12/23 15:29	1

Client Sample ID: H-4

Lab Sample ID: 880-29349-4

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/13/23 09:33	06/13/23 12:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/13/23 09:33	06/13/23 12:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/13/23 09:33	06/13/23 12:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/13/23 09:33	06/13/23 12:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/13/23 09:33	06/13/23 12:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/13/23 09:33	06/13/23 12:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				06/13/23 09:33	06/13/23 12:02	1
1,4-Difluorobenzene (Surr)	85		70 - 130				06/13/23 09:33	06/13/23 12:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/13/23 17:28	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			06/15/23 12:35	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		06/13/23 09:45	06/15/23 09:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/13/23 09:45	06/15/23 09:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/13/23 09:45	06/15/23 09:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	142	S1+	70 - 130				06/13/23 09:45	06/15/23 09:55	1
o-Terphenyl	118		70 - 130				06/13/23 09:45	06/15/23 09:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45.2		5.00		mg/Kg			06/12/23 15:35	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29349-1
 SDG: Lea County, New Mexico

Client Sample ID: H-5

Lab Sample ID: 880-29349-5

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/13/23 09:33	06/13/23 12:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/13/23 09:33	06/13/23 12:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/13/23 09:33	06/13/23 12:23	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/13/23 09:33	06/13/23 12:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/13/23 09:33	06/13/23 12:23	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/13/23 09:33	06/13/23 12:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	06/13/23 09:33	06/13/23 12:23	1
1,4-Difluorobenzene (Surr)	82		70 - 130	06/13/23 09:33	06/13/23 12:23	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			06/13/23 17:28	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			06/15/23 12:35	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		06/13/23 09:45	06/15/23 10:17	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/13/23 09:45	06/15/23 10:17	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/13/23 09:45	06/15/23 10:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130	06/13/23 09:45	06/15/23 10:17	1
o-Terphenyl	115		70 - 130	06/13/23 09:45	06/15/23 10:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.3		4.96		mg/Kg			06/12/23 15:40	1

Client Sample ID: H-6

Lab Sample ID: 880-29349-6

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/13/23 09:33	06/13/23 12:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/13/23 09:33	06/13/23 12:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/13/23 09:33	06/13/23 12:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/13/23 09:33	06/13/23 12:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/13/23 09:33	06/13/23 12:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/13/23 09:33	06/13/23 12:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	06/13/23 09:33	06/13/23 12:43	1
1,4-Difluorobenzene (Surr)	85		70 - 130	06/13/23 09:33	06/13/23 12:43	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29349-1
 SDG: Lea County, New Mexico

Client Sample ID: H-6

Lab Sample ID: 880-29349-6

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/13/23 17:28	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			06/14/23 09:50	1

Method: SW846 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		06/12/23 10:46	06/13/23 14:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/12/23 10:46	06/13/23 14:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/12/23 10:46	06/13/23 14:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130				06/12/23 10:46	06/13/23 14:54	1
o-Terphenyl	147	S1+	70 - 130				06/12/23 10:46	06/13/23 14:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.3		4.99		mg/Kg			06/12/23 15:45	1

Surrogate Summary

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29349-1
 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)
880-29349-1	H-1	84	85
880-29349-2	H-2	69 S1-	100
880-29349-2 MS	H-2	53 S1-	110
880-29349-2 MSD	H-2	97	109
880-29349-3	H-3	84	89
880-29349-4	H-4	87	85
880-29349-5	H-5	85	82
880-29349-6	H-6	85	85
880-29350-A-1-B MS	Matrix Spike	100	123
880-29350-A-1-C MSD	Matrix Spike Duplicate	96	101
LCS 880-55215/1-A	Lab Control Sample	58 S1-	113
LCS 880-55378/1-A	Lab Control Sample	101	110
LCSD 880-55215/2-A	Lab Control Sample Dup	116	114
LCSD 880-55378/2-A	Lab Control Sample Dup	98	108
MB 880-55176/5-A	Method Blank	69 S1-	98
MB 880-55215/5-A	Method Blank	64 S1-	100
MB 880-55378/5-A	Method Blank	67 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)
880-29349-1	H-1	149 S1+	128
880-29349-2	H-2	140 S1+	120
880-29349-3	H-3	153 S1+	128
880-29349-4	H-4	142 S1+	118
880-29349-5	H-5	135 S1+	115
880-29349-6	H-6	131 S1+	147 S1+
880-29351-A-11-E MS	Matrix Spike	137 S1+	110
880-29351-A-11-F MSD	Matrix Spike Duplicate	135 S1+	110
890-4807-A-1-D MS	Matrix Spike	108	119
890-4807-A-1-E MSD	Matrix Spike Duplicate	108	118
LCS 880-55253/2-A	Lab Control Sample	100	119
LCS 880-55379/2-A	Lab Control Sample	108	93
LCSD 880-55253/3-A	Lab Control Sample Dup	97	113
LCSD 880-55379/3-A	Lab Control Sample Dup	109	92
MB 880-55253/1-A	Method Blank	114	146 S1+
MB 880-55379/1-A	Method Blank	0.02 S1-	0.01 S1-

Surrogate Legend

1CO = 1-Chlorooctane
 OTPH = o-Terphenyl

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QC Sample Results

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29349-1
 SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-55176/5-A
 Matrix: Solid
 Analysis Batch: 55243

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 55176

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/09/23 16:35	06/12/23 12:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/09/23 16:35	06/12/23 12:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/09/23 16:35	06/12/23 12:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/09/23 16:35	06/12/23 12:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/09/23 16:35	06/12/23 12:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/09/23 16:35	06/12/23 12:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	69	S1-	70 - 130	06/09/23 16:35	06/12/23 12:26	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/09/23 16:35	06/12/23 12:26	1

Lab Sample ID: MB 880-55215/5-A
 Matrix: Solid
 Analysis Batch: 55243

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 55215

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/10/23 15:04	06/12/23 23:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/23 15:04	06/12/23 23:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/23 15:04	06/12/23 23:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/10/23 15:04	06/12/23 23:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/23 15:04	06/12/23 23:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/10/23 15:04	06/12/23 23:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	64	S1-	70 - 130	06/10/23 15:04	06/12/23 23:23	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/10/23 15:04	06/12/23 23:23	1

Lab Sample ID: LCS 880-55215/1-A
 Matrix: Solid
 Analysis Batch: 55243

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 55215

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1189		mg/Kg		119	70 - 130
Toluene	0.100	0.08605		mg/Kg		86	70 - 130
Ethylbenzene	0.100	0.07514		mg/Kg		75	70 - 130
m-Xylene & p-Xylene	0.200	0.1385	*-	mg/Kg		69	70 - 130
o-Xylene	0.100	0.06744	*-	mg/Kg		67	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	58	S1-	70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: LCSD 880-55215/2-A
 Matrix: Solid
 Analysis Batch: 55243

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 55215

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1266		mg/Kg		127	70 - 130	6	35

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QC Sample Results

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29349-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-55215/2-A
 Matrix: Solid
 Analysis Batch: 55243

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 55215

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Toluene	0.100	0.1075		mg/Kg		108	70 - 130	22	35
Ethylbenzene	0.100	0.1173	*1	mg/Kg		117	70 - 130	44	35
m-Xylene & p-Xylene	0.200	0.2409	*1	mg/Kg		120	70 - 130	54	35
o-Xylene	0.100	0.1199	*1	mg/Kg		120	70 - 130	56	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Lab Sample ID: 880-29350-A-1-B MS
 Matrix: Solid
 Analysis Batch: 55243

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 55215

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00198	U	0.0996	0.09110		mg/Kg		91	70 - 130		
Toluene	<0.00198	U F1	0.0996	0.04611	F1	mg/Kg		45	70 - 130		
Ethylbenzene	<0.00198	U *1 F1	0.0996	0.02595	F1	mg/Kg		26	70 - 130		
m-Xylene & p-Xylene	<0.00396	U *- *1 F1	0.199	0.05230	F1	mg/Kg		26	70 - 130		
o-Xylene	<0.00198	U *- *1 F1	0.0996	0.02748	F1	mg/Kg		27	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	123		70 - 130

Lab Sample ID: 880-29350-A-1-C MSD
 Matrix: Solid
 Analysis Batch: 55243

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 55215

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00198	U	0.0992	0.08017		mg/Kg		81	70 - 130	13	35
Toluene	<0.00198	U F1	0.0992	0.05884	F1	mg/Kg		58	70 - 130	24	35
Ethylbenzene	<0.00198	U *1 F1	0.0992	0.02107	F1	mg/Kg		21	70 - 130	21	35
m-Xylene & p-Xylene	<0.00396	U *- *1 F1	0.198	0.04185	F1	mg/Kg		21	70 - 130	22	35
o-Xylene	<0.00198	U *- *1 F1	0.0992	0.02162	F1	mg/Kg		21	70 - 130	24	35

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

Lab Sample ID: MB 880-55378/5-A
 Matrix: Solid
 Analysis Batch: 55374

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 55378

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/13/23 09:33	06/13/23 10:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/13/23 09:33	06/13/23 10:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/13/23 09:33	06/13/23 10:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/13/23 09:33	06/13/23 10:59	1

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QC Sample Results

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29349-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-55378/5-A
Matrix: Solid
Analysis Batch: 55374

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 55378

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/13/23 09:33	06/13/23 10:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/13/23 09:33	06/13/23 10:59	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	67	S1-	70 - 130	06/13/23 09:33	06/13/23 10:59	1
1,4-Difluorobenzene (Surr)	102		70 - 130	06/13/23 09:33	06/13/23 10:59	1

Lab Sample ID: LCS 880-55378/1-A
Matrix: Solid
Analysis Batch: 55374

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 55378

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	0.100	0.1160		mg/Kg		116	70 - 130
Toluene	0.100	0.09792		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.09874		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.2042		mg/Kg		102	70 - 130
o-Xylene	0.100	0.09884		mg/Kg		99	70 - 130

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

Lab Sample ID: LCSD 880-55378/2-A
Matrix: Solid
Analysis Batch: 55374

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 55378

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	Limit
		Result	Qualifier						
Benzene	0.100	0.1151		mg/Kg		115	70 - 130	1	35
Toluene	0.100	0.09733		mg/Kg		97	70 - 130	1	35
Ethylbenzene	0.100	0.09593		mg/Kg		96	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1970		mg/Kg		99	70 - 130	4	35
o-Xylene	0.100	0.09554		mg/Kg		96	70 - 130	3	35

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 880-29349-2 MS
Matrix: Solid
Analysis Batch: 55374

Client Sample ID: H-2
Prep Type: Total/NA
Prep Batch: 55378

Analyte	Sample Sample		Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Benzene	<0.00199	U	0.101	0.1034		mg/Kg		103	70 - 130
Toluene	<0.00199	U	0.101	0.07288		mg/Kg		72	70 - 130
Ethylbenzene	<0.00199	U F1 F2	0.101	0.06026	F1	mg/Kg		60	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.202	0.1074	F1	mg/Kg		53	70 - 130
o-Xylene	<0.00199	U F1 F2	0.101	0.05017	F1	mg/Kg		50	70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29349-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-29349-2 MS
 Matrix: Solid
 Analysis Batch: 55374

Client Sample ID: H-2
 Prep Type: Total/NA
 Prep Batch: 55378

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	53	S1-	70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-29349-2 MSD
 Matrix: Solid
 Analysis Batch: 55374

Client Sample ID: H-2
 Prep Type: Total/NA
 Prep Batch: 55378

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Benzene	<0.00199	U	0.100	0.1150		mg/Kg		115	70 - 130	11	35	
Toluene	<0.00199	U	0.100	0.09684		mg/Kg		97	70 - 130	28	35	
Ethylbenzene	<0.00199	U F1 F2	0.100	0.09334	F2	mg/Kg		93	70 - 130	43	35	
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.200	0.1862	F2	mg/Kg		93	70 - 130	54	35	
o-Xylene	<0.00199	U F1 F2	0.100	0.09100	F2	mg/Kg		91	70 - 130	58	35	

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

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

Lab Sample ID: MB 880-55253/1-A
 Matrix: Solid
 Analysis Batch: 55372

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 55253

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/12/23 10:46	06/13/23 09:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/12/23 10:46	06/13/23 09:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/12/23 10:46	06/13/23 09:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	06/12/23 10:46	06/13/23 09:46	1
o-Terphenyl	146	S1+	70 - 130	06/12/23 10:46	06/13/23 09:46	1

Lab Sample ID: LCS 880-55253/2-A
 Matrix: Solid
 Analysis Batch: 55372

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 55253

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec	
		Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	1000	900.1		mg/Kg		90	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1169		mg/Kg		117	70 - 130	

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	119		70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29349-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-55253/3-A
Matrix: Solid
Analysis Batch: 55372

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 55253

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	1000	950.4		mg/Kg		95	70 - 130	5	20	
Diesel Range Organics (Over C10-C28)	1000	1090		mg/Kg		109	70 - 130	7	20	
		LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	97		70 - 130							
o-Terphenyl	113		70 - 130							

Lab Sample ID: 890-4807-A-1-D MS
Matrix: Solid
Analysis Batch: 55372

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 55253

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	1227		mg/Kg		120	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	874.4		mg/Kg		83	70 - 130		
		MS	MS								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	108		70 - 130								
o-Terphenyl	119		70 - 130								

Lab Sample ID: 890-4807-A-1-E MSD
Matrix: Solid
Analysis Batch: 55372

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 55253

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1205		mg/Kg		118	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	867.7		mg/Kg		83	70 - 130	1	20
		MSD	MSD								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	108		70 - 130								
o-Terphenyl	118		70 - 130								

Lab Sample ID: MB 880-55379/1-A
Matrix: Solid
Analysis Batch: 55457

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 55379

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		06/13/23 09:44	06/14/23 21:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/13/23 09:44	06/14/23 21:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/13/23 09:44	06/14/23 21:15	1

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QC Sample Results

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29349-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-55379/1-A
Matrix: Solid
Analysis Batch: 55457

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 55379

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	0.02	S1-	70 - 130	06/13/23 09:44	06/14/23 21:15	1
o-Terphenyl	0.01	S1-	70 - 130	06/13/23 09:44	06/14/23 21:15	1

Lab Sample ID: LCS 880-55379/2-A
Matrix: Solid
Analysis Batch: 55457

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 55379

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	829.5		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	1000	806.1		mg/Kg		81	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	108		70 - 130
o-Terphenyl	93		70 - 130

Lab Sample ID: LCSD 880-55379/3-A
Matrix: Solid
Analysis Batch: 55457

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 55379

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	929.0		mg/Kg		93	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	1000	910.9		mg/Kg		91	70 - 130	12	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	109		70 - 130
o-Terphenyl	92		70 - 130

Lab Sample ID: 880-29351-A-11-E MS
Matrix: Solid
Analysis Batch: 55457

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 55379

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1080		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1099		mg/Kg		108	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	137	S1+	70 - 130
o-Terphenyl	110		70 - 130

QC Sample Results

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29349-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-29351-A-11-F MSD
 Matrix: Solid
 Analysis Batch: 55457

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 55379

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1076		mg/Kg		105	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1080		mg/Kg		106	70 - 130	2	20
Surrogate	%Recovery	MSD Qualifier	MSD	Limits							
1-Chlorooctane	135	S1+		70 - 130							
o-Terphenyl	110			70 - 130							

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-55249/1-A
 Matrix: Solid
 Analysis Batch: 55259

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			06/12/23 14:20	1

Lab Sample ID: LCS 880-55249/2-A
 Matrix: Solid
 Analysis Batch: 55259

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	256.2		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-55249/3-A
 Matrix: Solid
 Analysis Batch: 55259

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	266.1		mg/Kg		106	90 - 110	4	20

Lab Sample ID: 880-29350-A-1-G MS
 Matrix: Solid
 Analysis Batch: 55259

Client Sample ID: Matrix Spike
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	67.1		249	311.2		mg/Kg		98	90 - 110

Lab Sample ID: 880-29350-A-1-H MSD
 Matrix: Solid
 Analysis Batch: 55259

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	67.1		249	323.6		mg/Kg		103	90 - 110	4	20

QC Association Summary

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29349-1
 SDG: Lea County, New Mexico

GC VOA

Prep Batch: 55176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-55176/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 55215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29349-1	H-1	Total/NA	Solid	5035	
MB 880-55215/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-55215/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-55215/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-29350-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-29350-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 55243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29349-1	H-1	Total/NA	Solid	8021B	55215
MB 880-55176/5-A	Method Blank	Total/NA	Solid	8021B	55176
MB 880-55215/5-A	Method Blank	Total/NA	Solid	8021B	55215
LCS 880-55215/1-A	Lab Control Sample	Total/NA	Solid	8021B	55215
LCSD 880-55215/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	55215
880-29350-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	55215
880-29350-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	55215

Analysis Batch: 55374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29349-2	H-2	Total/NA	Solid	8021B	55378
880-29349-3	H-3	Total/NA	Solid	8021B	55378
880-29349-4	H-4	Total/NA	Solid	8021B	55378
880-29349-5	H-5	Total/NA	Solid	8021B	55378
880-29349-6	H-6	Total/NA	Solid	8021B	55378
MB 880-55378/5-A	Method Blank	Total/NA	Solid	8021B	55378
LCS 880-55378/1-A	Lab Control Sample	Total/NA	Solid	8021B	55378
LCSD 880-55378/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	55378
880-29349-2 MS	H-2	Total/NA	Solid	8021B	55378
880-29349-2 MSD	H-2	Total/NA	Solid	8021B	55378

Prep Batch: 55378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29349-2	H-2	Total/NA	Solid	5035	
880-29349-3	H-3	Total/NA	Solid	5035	
880-29349-4	H-4	Total/NA	Solid	5035	
880-29349-5	H-5	Total/NA	Solid	5035	
880-29349-6	H-6	Total/NA	Solid	5035	
MB 880-55378/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-55378/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-55378/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-29349-2 MS	H-2	Total/NA	Solid	5035	
880-29349-2 MSD	H-2	Total/NA	Solid	5035	

Analysis Batch: 55402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29349-1	H-1	Total/NA	Solid	Total BTEX	
880-29349-2	H-2	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29349-1
 SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 55402 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29349-3	H-3	Total/NA	Solid	Total BTEX	
880-29349-4	H-4	Total/NA	Solid	Total BTEX	
880-29349-5	H-5	Total/NA	Solid	Total BTEX	
880-29349-6	H-6	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 55253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29349-6	H-6	Total/NA	Solid	8015NM Prep	
MB 880-55253/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-55253/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-55253/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4807-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4807-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 55372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29349-6	H-6	Total/NA	Solid	8015B NM	55253
MB 880-55253/1-A	Method Blank	Total/NA	Solid	8015B NM	55253
LCS 880-55253/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	55253
LCSD 880-55253/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	55253
890-4807-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	55253
890-4807-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	55253

Prep Batch: 55379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29349-1	H-1	Total/NA	Solid	8015NM Prep	
880-29349-2	H-2	Total/NA	Solid	8015NM Prep	
880-29349-3	H-3	Total/NA	Solid	8015NM Prep	
880-29349-4	H-4	Total/NA	Solid	8015NM Prep	
880-29349-5	H-5	Total/NA	Solid	8015NM Prep	
MB 880-55379/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-55379/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-55379/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-29351-A-11-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-29351-A-11-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 55457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29349-1	H-1	Total/NA	Solid	8015B NM	55379
880-29349-2	H-2	Total/NA	Solid	8015B NM	55379
880-29349-3	H-3	Total/NA	Solid	8015B NM	55379
880-29349-4	H-4	Total/NA	Solid	8015B NM	55379
880-29349-5	H-5	Total/NA	Solid	8015B NM	55379
MB 880-55379/1-A	Method Blank	Total/NA	Solid	8015B NM	55379
LCS 880-55379/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	55379
LCSD 880-55379/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	55379
880-29351-A-11-E MS	Matrix Spike	Total/NA	Solid	8015B NM	55379
880-29351-A-11-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	55379

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29349-1
 SDG: Lea County, New Mexico

GC Semi VOA

Analysis Batch: 55480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29349-1	H-1	Total/NA	Solid	8015 NM	
880-29349-2	H-2	Total/NA	Solid	8015 NM	
880-29349-3	H-3	Total/NA	Solid	8015 NM	
880-29349-4	H-4	Total/NA	Solid	8015 NM	
880-29349-5	H-5	Total/NA	Solid	8015 NM	
880-29349-6	H-6	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 55249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29349-1	H-1	Soluble	Solid	DI Leach	
880-29349-2	H-2	Soluble	Solid	DI Leach	
880-29349-3	H-3	Soluble	Solid	DI Leach	
880-29349-4	H-4	Soluble	Solid	DI Leach	
880-29349-5	H-5	Soluble	Solid	DI Leach	
880-29349-6	H-6	Soluble	Solid	DI Leach	
MB 880-55249/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-55249/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-55249/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-29350-A-1-G MS	Matrix Spike	Soluble	Solid	DI Leach	
880-29350-A-1-H MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 55259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29349-1	H-1	Soluble	Solid	300.0	55249
880-29349-2	H-2	Soluble	Solid	300.0	55249
880-29349-3	H-3	Soluble	Solid	300.0	55249
880-29349-4	H-4	Soluble	Solid	300.0	55249
880-29349-5	H-5	Soluble	Solid	300.0	55249
880-29349-6	H-6	Soluble	Solid	300.0	55249
MB 880-55249/1-A	Method Blank	Soluble	Solid	300.0	55249
LCS 880-55249/2-A	Lab Control Sample	Soluble	Solid	300.0	55249
LCSD 880-55249/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	55249
880-29350-A-1-G MS	Matrix Spike	Soluble	Solid	300.0	55249
880-29350-A-1-H MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	55249

Lab Chronicle

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29349-1
 SDG: Lea County, New Mexico

Client Sample ID: H-1

Lab Sample ID: 880-29349-1

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	55215	06/10/23 15:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55243	06/13/23 07:14	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55402	06/13/23 11:41	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55480	06/15/23 12:35	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	55379	06/13/23 09:45	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55457	06/15/23 08:43	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	55249	06/12/23 09:17	KS	EET MID
Soluble	Analysis	300.0		1			55259	06/12/23 15:08	CH	EET MID

Client Sample ID: H-2

Lab Sample ID: 880-29349-2

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	55378	06/13/23 09:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55374	06/13/23 11:21	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55402	06/13/23 17:28	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55480	06/15/23 12:35	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	55379	06/13/23 09:45	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55457	06/15/23 09:04	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	55249	06/12/23 09:17	KS	EET MID
Soluble	Analysis	300.0		1			55259	06/12/23 15:24	CH	EET MID

Client Sample ID: H-3

Lab Sample ID: 880-29349-3

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	55378	06/13/23 09:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55374	06/13/23 11:42	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55402	06/13/23 17:28	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55480	06/15/23 12:35	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	55379	06/13/23 09:45	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55457	06/15/23 09:31	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	55249	06/12/23 09:17	KS	EET MID
Soluble	Analysis	300.0		1			55259	06/12/23 15:29	CH	EET MID

Client Sample ID: H-4

Lab Sample ID: 880-29349-4

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	55378	06/13/23 09:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55374	06/13/23 12:02	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55402	06/13/23 17:28	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29349-1
 SDG: Lea County, New Mexico

Client Sample ID: H-4

Lab Sample ID: 880-29349-4

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			55480	06/15/23 12:35	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	55379	06/13/23 09:45	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55457	06/15/23 09:55	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	55249	06/12/23 09:17	KS	EET MID
Soluble	Analysis	300.0		1			55259	06/12/23 15:35	CH	EET MID

Client Sample ID: H-5

Lab Sample ID: 880-29349-5

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	55378	06/13/23 09:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55374	06/13/23 12:23	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55402	06/13/23 17:28	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55480	06/15/23 12:35	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	55379	06/13/23 09:45	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55457	06/15/23 10:17	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	55249	06/12/23 09:17	KS	EET MID
Soluble	Analysis	300.0		1			55259	06/12/23 15:40	CH	EET MID

Client Sample ID: H-6

Lab Sample ID: 880-29349-6

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	55378	06/13/23 09:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55374	06/13/23 12:43	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55402	06/13/23 17:28	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55480	06/14/23 09:50	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.010 g	10 mL	55253	06/12/23 10:46	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55372	06/13/23 14:54	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	55249	06/12/23 09:17	KS	EET MID
Soluble	Analysis	300.0		1			55259	06/12/23 15:45	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: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29349-1
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
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Carmona Resources
Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29349-1
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: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29349-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-29349-1	H-1	Solid	06/08/23 00:00	06/09/23 15:00
880-29349-2	H-2	Solid	06/08/23 00:00	06/09/23 15:00
880-29349-3	H-3	Solid	06/08/23 00:00	06/09/23 15:00
880-29349-4	H-4	Solid	06/08/23 00:00	06/09/23 15:00
880-29349-5	H-5	Solid	06/08/23 00:00	06/09/23 15:00
880-29349-6	H-6	Solid	06/08/23 00:00	06/09/23 15:00

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

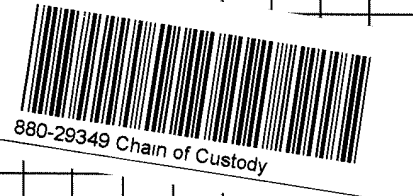
Chain of Custody

Work Order No: 29349

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	<input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting Level II	<input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables EDD	<input type="checkbox"/> ADaPT <input type="checkbox"/> Other

Project Name	Baseball Cap Federal 25P (06 01.23)		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes					
Project Number	2046		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0													None NO	DI Water H ₂ O
Project Location	Lea County, New Mexico		Due Date	72 Hrs																		Cool Cool	MeOH Me
Sampler's Name	CCM																					HCL HC	HNO ₃ HN
PO #																	H ₂ SO ₄ H ₂	NaOH Na					
SAMPLE RECEIPT			Temp Blank	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID														H ₃ PO ₄ HP							
Cooler Custody Seals	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor														NaHSO ₄ NABIS							
Sample Custody Seals.	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading														Na ₂ S ₂ O ₃ NaSO ₄							
Total Containers.			Corrected Temperature														Zn Acetate+NaOH Zn						
																	NaOH+Ascorbic Acid SAPC						
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments				
H-1	6/8/2023		X		G	1	X	X	X													1102	
H-2	6/8/2023		X		G	1	X	X	X														
H-3	6/8/2023		X		G	1	X	X	X														
H-4	6/8/2023		X		G	1	X	X	X														
H-5	6/8/2023		X		G	1	X	X	X														
H-6	6/8/2023		X		G	1	X	X	X														



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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
<i>Conner Moehring</i>	6-9-23 1:50	<i>[Signature]</i>	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-29349-1
SDG Number: Lea County, New Mexico

Login Number: 29349

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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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 6/15/2023 1:19:14 PM

JOB DESCRIPTION

Baseball Cap Federal 25P (06.01.23)
 SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-29350-1

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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Authorized for release by
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Client: Carmona Resources
Project/Site: Baseball Cap Federal 25P (06.01.23)

Laboratory Job ID: 880-29350-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
SDG: Lea County, New Mexico

Job ID: 880-29350-1**Laboratory: Eurofins Midland****Narrative**

Job Narrative
880-29350-1

Receipt

The samples were received on 6/9/2023 3:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.1°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-3") (880-29350-1), S-1 (6") (880-29350-2), S-1 (1') (880-29350-3), S-2 (0-3") (880-29350-4), S-2 (6") (880-29350-5), S-2 (1') (880-29350-6), S-3 (0-3") (880-29350-7), S-3 (6") (880-29350-8), S-3 (1') (880-29350-9), S-4 (0-3") (880-29350-10), S-4 (6") (880-29350-11), S-4 (1') (880-29350-12), S-5 (0-3") (880-29350-13), S-5 (6") (880-29350-14) and S-5 (1') (880-29350-15).

GC VOA

Method 8021B: CCV was biased low for o-xylene and m,p xylenes. Another CCV was analyzed and acceptable for the compounds within the 12 hour window; therefore, the associated data was qualified and reported.(CCV 880-55243/33)

Method 8021B: CCV was biased low for benzene. Another CCV was analyzed and acceptable for the compound within the 12 hour window; therefore, the associated data was qualified and reported.(CCV 880-55243/51)

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCS 880-55215/1-A), (MB 880-55176/5-A) and (MB 880-55215/5-A). Evidence of matrix interferences is not obvious.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-55185/2-A), (LCSD 880-55185/3-A) and (MB 880-55185/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-1 (0-3") (880-29350-1) and S-1 (6") (880-29350-2). 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-1 (1') (880-29350-3), S-2 (6") (880-29350-5), S-2 (1') (880-29350-6), S-3 (1') (880-29350-9), S-4 (6") (880-29350-11), S-4 (1') (880-29350-12), S-5 (6") (880-29350-14), S-5 (1') (880-29350-15), (MB 880-55232/1-A), (880-29350-A-10-B MS) and (880-29350-A-10-C MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-1 (0-3") (880-29350-1), S-1 (6") (880-29350-2), S-2 (0-3") (880-29350-4), S-3 (0-3") (880-29350-7), S-3 (6") (880-29350-8), (880-29351-A-11-D), (880-29351-A-11-E MS) and (880-29351-A-11-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 sample was outside control limits: (MB 880-55379/1-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-29350-1

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/10/23 15:04	06/12/23 23:44	1
Toluene	<0.00198	U F1	0.00198		mg/Kg		06/10/23 15:04	06/12/23 23:44	1
Ethylbenzene	<0.00198	U *1 F1	0.00198		mg/Kg		06/10/23 15:04	06/12/23 23:44	1
m-Xylene & p-Xylene	<0.00396	U *- *1 F1	0.00396		mg/Kg		06/10/23 15:04	06/12/23 23:44	1
o-Xylene	<0.00198	U *- *1 F1	0.00198		mg/Kg		06/10/23 15:04	06/12/23 23:44	1
Xylenes, Total	<0.00396	U *- *1 F1	0.00396		mg/Kg		06/10/23 15:04	06/12/23 23:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	06/10/23 15:04	06/12/23 23:44	1
1,4-Difluorobenzene (Surr)	109		70 - 130	06/10/23 15:04	06/12/23 23:44	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			06/13/23 11:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	10100		249		mg/Kg			06/12/23 14:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<249	U	249		mg/Kg		06/09/23 17:18	06/12/23 03:54	5
Diesel Range Organics (Over C10-C28)	10100		249		mg/Kg		06/09/23 17:18	06/12/23 03:54	5
Oil Range Organics (Over C28-C36)	<249	U	249		mg/Kg		06/09/23 17:18	06/12/23 03:54	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	06/09/23 17:18	06/12/23 03:54	5
o-Terphenyl	153	S1+	70 - 130	06/09/23 17:18	06/12/23 03:54	5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67.1		4.98		mg/Kg			06/12/23 15:51	1

Client Sample ID: S-1 (6")

Lab Sample ID: 880-29350-2

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/10/23 15:04	06/13/23 00:05	1
Toluene	0.0119		0.00202		mg/Kg		06/10/23 15:04	06/13/23 00:05	1
Ethylbenzene	<0.00202	U *1	0.00202		mg/Kg		06/10/23 15:04	06/13/23 00:05	1
m-Xylene & p-Xylene	<0.00403	U *- *1	0.00403		mg/Kg		06/10/23 15:04	06/13/23 00:05	1
o-Xylene	<0.00202	U *- *1	0.00202		mg/Kg		06/10/23 15:04	06/13/23 00:05	1
Xylenes, Total	<0.00403	U *- *1	0.00403		mg/Kg		06/10/23 15:04	06/13/23 00:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	06/10/23 15:04	06/13/23 00:05	1
1,4-Difluorobenzene (Surr)	113		70 - 130	06/10/23 15:04	06/13/23 00:05	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
 SDG: Lea County, New Mexico

Client Sample ID: S-1 (6")

Lab Sample ID: 880-29350-2

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0119		0.00403		mg/Kg			06/13/23 11:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	12400		249		mg/Kg			06/12/23 14:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<249	U	249		mg/Kg		06/09/23 17:18	06/12/23 04:14	5
Diesel Range Organics (Over C10-C28)	12400		249		mg/Kg		06/09/23 17:18	06/12/23 04:14	5
Oil Range Organics (Over C28-C36)	<249	U	249		mg/Kg		06/09/23 17:18	06/12/23 04:14	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				06/09/23 17:18	06/12/23 04:14	5
o-Terphenyl	184	S1+	70 - 130				06/09/23 17:18	06/12/23 04:14	5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.5		5.00		mg/Kg			06/12/23 16:07	1

Client Sample ID: S-1 (1')

Lab Sample ID: 880-29350-3

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/10/23 15:04	06/13/23 00:25	1
Toluene	0.0102		0.00200		mg/Kg		06/10/23 15:04	06/13/23 00:25	1
Ethylbenzene	<0.00200	U *1	0.00200		mg/Kg		06/10/23 15:04	06/13/23 00:25	1
m-Xylene & p-Xylene	<0.00401	U *-*1	0.00401		mg/Kg		06/10/23 15:04	06/13/23 00:25	1
o-Xylene	<0.00200	U *-*1	0.00200		mg/Kg		06/10/23 15:04	06/13/23 00:25	1
Xylenes, Total	<0.00401	U *-*1	0.00401		mg/Kg		06/10/23 15:04	06/13/23 00:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130				06/10/23 15:04	06/13/23 00:25	1
1,4-Difluorobenzene (Surr)	86		70 - 130				06/10/23 15:04	06/13/23 00:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0102		0.00401		mg/Kg			06/13/23 11:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	116		49.9		mg/Kg			06/13/23 12:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/11/23 11:59	06/12/23 23:34	1
Diesel Range Organics (Over C10-C28)	116		49.9		mg/Kg		06/11/23 11:59	06/12/23 23:34	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
 SDG: Lea County, New Mexico

Client Sample ID: S-1 (1')

Lab Sample ID: 880-29350-3

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

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		06/11/23 11:59	06/12/23 23:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	148	S1+	70 - 130				06/11/23 11:59	06/12/23 23:34	1
o-Terphenyl	114		70 - 130				06/11/23 11:59	06/12/23 23:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.8		4.95		mg/Kg			06/12/23 16:12	1

Client Sample ID: S-2 (0-3")

Lab Sample ID: 880-29350-4

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/10/23 15:04	06/13/23 00:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/10/23 15:04	06/13/23 00:45	1
Ethylbenzene	<0.00199	U *1	0.00199		mg/Kg		06/10/23 15:04	06/13/23 00:45	1
m-Xylene & p-Xylene	<0.00398	U * - *1	0.00398		mg/Kg		06/10/23 15:04	06/13/23 00:45	1
o-Xylene	<0.00199	U * - *1	0.00199		mg/Kg		06/10/23 15:04	06/13/23 00:45	1
Xylenes, Total	<0.00398	U * - *1	0.00398		mg/Kg		06/10/23 15:04	06/13/23 00:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				06/10/23 15:04	06/13/23 00:45	1
1,4-Difluorobenzene (Surr)	111		70 - 130				06/10/23 15:04	06/13/23 00:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/13/23 11:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	7340		249		mg/Kg			06/15/23 12:35	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	<249	U	249		mg/Kg		06/13/23 09:44	06/15/23 06:33	5
Diesel Range Organics (Over C10-C28)	7340		249		mg/Kg		06/13/23 09:44	06/15/23 06:33	5
Oil Range Organics (Over C28-C36)	<249	U	249		mg/Kg		06/13/23 09:44	06/15/23 06:33	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130				06/13/23 09:44	06/15/23 06:33	5
o-Terphenyl	118		70 - 130				06/13/23 09:44	06/15/23 06:33	5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	92.1		4.98		mg/Kg			06/12/23 16:28	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (6")

Lab Sample ID: 880-29350-5

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/10/23 15:04	06/13/23 01:06	1
Toluene	0.0106		0.00200		mg/Kg		06/10/23 15:04	06/13/23 01:06	1
Ethylbenzene	<0.00200	U *1	0.00200		mg/Kg		06/10/23 15:04	06/13/23 01:06	1
m-Xylene & p-Xylene	<0.00400	U *- *1	0.00400		mg/Kg		06/10/23 15:04	06/13/23 01:06	1
o-Xylene	<0.00200	U *- *1	0.00200		mg/Kg		06/10/23 15:04	06/13/23 01:06	1
Xylenes, Total	<0.00400	U *- *1	0.00400		mg/Kg		06/10/23 15:04	06/13/23 01:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	65	S1-	70 - 130	06/10/23 15:04	06/13/23 01:06	1
1,4-Difluorobenzene (Surr)	88		70 - 130	06/10/23 15:04	06/13/23 01:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0106		0.00400		mg/Kg			06/13/23 11:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	123		49.9		mg/Kg			06/13/23 12:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/11/23 11:59	06/12/23 23:12	1
Diesel Range Organics (Over C10-C28)	123		49.9		mg/Kg		06/11/23 11:59	06/12/23 23:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/11/23 11:59	06/12/23 23:12	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	156	S1+	70 - 130	06/11/23 11:59	06/12/23 23:12	1			
o-Terphenyl	121		70 - 130	06/11/23 11:59	06/12/23 23:12	1			

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.4		4.95		mg/Kg			06/12/23 16:33	1

Client Sample ID: S-2 (1')

Lab Sample ID: 880-29350-6

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/10/23 15:04	06/13/23 01:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/23 15:04	06/13/23 01:26	1
Ethylbenzene	<0.00200	U *1	0.00200		mg/Kg		06/10/23 15:04	06/13/23 01:26	1
m-Xylene & p-Xylene	<0.00399	U *- *1	0.00399		mg/Kg		06/10/23 15:04	06/13/23 01:26	1
o-Xylene	0.00318	*- *1	0.00200		mg/Kg		06/10/23 15:04	06/13/23 01:26	1
Xylenes, Total	<0.00399	U *- *1	0.00399		mg/Kg		06/10/23 15:04	06/13/23 01:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130	06/10/23 15:04	06/13/23 01:26	1
1,4-Difluorobenzene (Surr)	93		70 - 130	06/10/23 15:04	06/13/23 01:26	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
 SDG: Lea County, New Mexico

Client Sample ID: S-2 (1')

Lab Sample ID: 880-29350-6

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/13/23 11:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/13/23 12:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/11/23 11:59	06/12/23 23:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/11/23 11:59	06/12/23 23:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/11/23 11:59	06/12/23 23:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	151	S1+	70 - 130				06/11/23 11:59	06/12/23 23:56	1
o-Terphenyl	117		70 - 130				06/11/23 11:59	06/12/23 23:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.7		4.95		mg/Kg			06/12/23 16:39	1

Client Sample ID: S-3 (0-3")

Lab Sample ID: 880-29350-7

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/10/23 15:04	06/13/23 01:47	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/10/23 15:04	06/13/23 01:47	1
Ethylbenzene	<0.00198	U *1	0.00198		mg/Kg		06/10/23 15:04	06/13/23 01:47	1
m-Xylene & p-Xylene	<0.00397	U *-*1	0.00397		mg/Kg		06/10/23 15:04	06/13/23 01:47	1
o-Xylene	<0.00198	U *-*1	0.00198		mg/Kg		06/10/23 15:04	06/13/23 01:47	1
Xylenes, Total	<0.00397	U *-*1	0.00397		mg/Kg		06/10/23 15:04	06/13/23 01:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				06/10/23 15:04	06/13/23 01:47	1
1,4-Difluorobenzene (Surr)	109		70 - 130				06/10/23 15:04	06/13/23 01:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/13/23 11:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	11400		249		mg/Kg			06/15/23 12:35	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	<249	U	249		mg/Kg		06/13/23 09:45	06/15/23 08:21	5
Diesel Range Organics (Over C10-C28)	11400		249		mg/Kg		06/13/23 09:45	06/15/23 08:21	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
 SDG: Lea County, New Mexico

Client Sample ID: S-3 (0-3")

Lab Sample ID: 880-29350-7

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

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)	<249	U	249		mg/Kg		06/13/23 09:45	06/15/23 08:21	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				06/13/23 09:45	06/15/23 08:21	5
o-Terphenyl	163	S1+	70 - 130				06/13/23 09:45	06/15/23 08:21	5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.4		4.95		mg/Kg			06/12/23 16:44	1

Client Sample ID: S-3 (6")

Lab Sample ID: 880-29350-8

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/10/23 15:04	06/13/23 02:07	1
Toluene	0.0127		0.00201		mg/Kg		06/10/23 15:04	06/13/23 02:07	1
Ethylbenzene	<0.00201	U *1	0.00201		mg/Kg		06/10/23 15:04	06/13/23 02:07	1
m-Xylene & p-Xylene	<0.00402	U * - *1	0.00402		mg/Kg		06/10/23 15:04	06/13/23 02:07	1
o-Xylene	0.0600	* - *1	0.00201		mg/Kg		06/10/23 15:04	06/13/23 02:07	1
Xylenes, Total	0.0600	* - *1	0.00402		mg/Kg		06/10/23 15:04	06/13/23 02:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				06/10/23 15:04	06/13/23 02:07	1
1,4-Difluorobenzene (Surr)	101		70 - 130				06/10/23 15:04	06/13/23 02:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0727		0.00402		mg/Kg			06/13/23 11:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	10100		250		mg/Kg			06/15/23 12:35	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	<250	U	250		mg/Kg		06/13/23 09:44	06/15/23 07:08	5
Diesel Range Organics (Over C10-C28)	10100		250		mg/Kg		06/13/23 09:44	06/15/23 07:08	5
Oil Range Organics (Over C28-C36)	<250	U	250		mg/Kg		06/13/23 09:44	06/15/23 07:08	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130				06/13/23 09:44	06/15/23 07:08	5
o-Terphenyl	140	S1+	70 - 130				06/13/23 09:44	06/15/23 07:08	5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.5		5.05		mg/Kg			06/12/23 16:50	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (1')

Lab Sample ID: 880-29350-9

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/10/23 15:04	06/13/23 02:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/23 15:04	06/13/23 02:28	1
Ethylbenzene	<0.00200	U *1	0.00200		mg/Kg		06/10/23 15:04	06/13/23 02:28	1
m-Xylene & p-Xylene	<0.00401	U *- *1	0.00401		mg/Kg		06/10/23 15:04	06/13/23 02:28	1
o-Xylene	0.0437	*- *1	0.00200		mg/Kg		06/10/23 15:04	06/13/23 02:28	1
Xylenes, Total	0.0437	*- *1	0.00401		mg/Kg		06/10/23 15:04	06/13/23 02:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	06/10/23 15:04	06/13/23 02:28	1
1,4-Difluorobenzene (Surr)	86		70 - 130	06/10/23 15:04	06/13/23 02:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0437		0.00401		mg/Kg			06/13/23 11:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	107		49.9		mg/Kg			06/13/23 12:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/11/23 11:59	06/13/23 00:17	1
Diesel Range Organics (Over C10-C28)	107		49.9		mg/Kg		06/11/23 11:59	06/13/23 00:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/11/23 11:59	06/13/23 00:17	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	143	S1+	70 - 130	06/11/23 11:59	06/13/23 00:17	1			
o-Terphenyl	110		70 - 130	06/11/23 11:59	06/13/23 00:17	1			

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.6		5.02		mg/Kg			06/12/23 16:56	1

Client Sample ID: S-4 (0-3")

Lab Sample ID: 880-29350-10

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/10/23 15:04	06/13/23 02:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/10/23 15:04	06/13/23 02:48	1
Ethylbenzene	<0.00199	U *1	0.00199		mg/Kg		06/10/23 15:04	06/13/23 02:48	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		06/10/23 15:04	06/13/23 02:48	1
o-Xylene	<0.00199	U *- *1	0.00199		mg/Kg		06/10/23 15:04	06/13/23 02:48	1
Xylenes, Total	<0.00398	U *- *1	0.00398		mg/Kg		06/10/23 15:04	06/13/23 02:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130	06/10/23 15:04	06/13/23 02:48	1
1,4-Difluorobenzene (Surr)	84		70 - 130	06/10/23 15:04	06/13/23 02:48	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
 SDG: Lea County, New Mexico

Client Sample ID: S-4 (0-3")

Lab Sample ID: 880-29350-10

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/13/23 11:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	151		49.8		mg/Kg			06/13/23 12:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/11/23 11:59	06/12/23 22:07	1
Diesel Range Organics (Over C10-C28)	151		49.8		mg/Kg		06/11/23 11:59	06/12/23 22:07	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/11/23 11:59	06/12/23 22:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130				06/11/23 11:59	06/12/23 22:07	1
o-Terphenyl	109		70 - 130				06/11/23 11:59	06/12/23 22:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.8		4.97		mg/Kg			06/12/23 17:01	1

Client Sample ID: S-4 (6")

Lab Sample ID: 880-29350-11

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/10/23 15:04	06/13/23 04:10	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/10/23 15:04	06/13/23 04:10	1
Ethylbenzene	<0.00198	U *1	0.00198		mg/Kg		06/10/23 15:04	06/13/23 04:10	1
m-Xylene & p-Xylene	<0.00397	U *-*1	0.00397		mg/Kg		06/10/23 15:04	06/13/23 04:10	1
o-Xylene	<0.00198	U *-*1	0.00198		mg/Kg		06/10/23 15:04	06/13/23 04:10	1
Xylenes, Total	<0.00397	U *-*1	0.00397		mg/Kg		06/10/23 15:04	06/13/23 04:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	54	S1-	70 - 130				06/10/23 15:04	06/13/23 04:10	1
1,4-Difluorobenzene (Surr)	100		70 - 130				06/10/23 15:04	06/13/23 04:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/13/23 11:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	64.5		49.9		mg/Kg			06/13/23 12:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/11/23 11:59	06/13/23 00:39	1
Diesel Range Organics (Over C10-C28)	64.5		49.9		mg/Kg		06/11/23 11:59	06/13/23 00:39	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
 SDG: Lea County, New Mexico

Client Sample ID: S-4 (6")

Lab Sample ID: 880-29350-11

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

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		06/11/23 11:59	06/13/23 00:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	151	S1+	70 - 130				06/11/23 11:59	06/13/23 00:39	1
o-Terphenyl	118		70 - 130				06/11/23 11:59	06/13/23 00:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.8		5.04		mg/Kg			06/12/23 17:46	1

Client Sample ID: S-4 (1')

Lab Sample ID: 880-29350-12

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/10/23 15:04	06/13/23 04:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/10/23 15:04	06/13/23 04:31	1
Ethylbenzene	<0.00201	U *1	0.00201		mg/Kg		06/10/23 15:04	06/13/23 04:31	1
m-Xylene & p-Xylene	<0.00402	U * *1	0.00402		mg/Kg		06/10/23 15:04	06/13/23 04:31	1
o-Xylene	<0.00201	U * *1	0.00201		mg/Kg		06/10/23 15:04	06/13/23 04:31	1
Xylenes, Total	<0.00402	U * *1	0.00402		mg/Kg		06/10/23 15:04	06/13/23 04:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130				06/10/23 15:04	06/13/23 04:31	1
1,4-Difluorobenzene (Surr)	89		70 - 130				06/10/23 15:04	06/13/23 04:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/13/23 11:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	63.0		50.0		mg/Kg			06/13/23 12:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/11/23 11:59	06/13/23 06:35	1
Diesel Range Organics (Over C10-C28)	63.0		50.0		mg/Kg		06/11/23 11:59	06/13/23 06:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/11/23 11:59	06/13/23 06:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	142	S1+	70 - 130				06/11/23 11:59	06/13/23 06:35	1
o-Terphenyl	113		70 - 130				06/11/23 11:59	06/13/23 06:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.5		4.99		mg/Kg			06/12/23 18:03	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
 SDG: Lea County, New Mexico

Client Sample ID: S-5 (0-3")

Lab Sample ID: 880-29350-13

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/10/23 15:04	06/13/23 04:51	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/10/23 15:04	06/13/23 04:51	1
Ethylbenzene	<0.00201	U *1	0.00201		mg/Kg		06/10/23 15:04	06/13/23 04:51	1
m-Xylene & p-Xylene	<0.00402	U *- *1	0.00402		mg/Kg		06/10/23 15:04	06/13/23 04:51	1
o-Xylene	<0.00201	U *- *1	0.00201		mg/Kg		06/10/23 15:04	06/13/23 04:51	1
Xylenes, Total	<0.00402	U *- *1	0.00402		mg/Kg		06/10/23 15:04	06/13/23 04:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	06/10/23 15:04	06/13/23 04:51	1
1,4-Difluorobenzene (Surr)	77		70 - 130	06/10/23 15:04	06/13/23 04:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/13/23 11:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	100		49.9		mg/Kg			06/13/23 12:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/11/23 11:59	06/13/23 06:59	1
Diesel Range Organics (Over C10-C28)	100		49.9		mg/Kg		06/11/23 11:59	06/13/23 06:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/11/23 11:59	06/13/23 06:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130	06/11/23 11:59	06/13/23 06:59	1
o-Terphenyl	101		70 - 130	06/11/23 11:59	06/13/23 06:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.1		4.99		mg/Kg			06/12/23 18:09	1

Client Sample ID: S-5 (6")

Lab Sample ID: 880-29350-14

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/10/23 15:04	06/13/23 05:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/23 15:04	06/13/23 05:11	1
Ethylbenzene	<0.00200	U *1	0.00200		mg/Kg		06/10/23 15:04	06/13/23 05:11	1
m-Xylene & p-Xylene	<0.00401	U *- *1	0.00401		mg/Kg		06/10/23 15:04	06/13/23 05:11	1
o-Xylene	<0.00200	U *- *1	0.00200		mg/Kg		06/10/23 15:04	06/13/23 05:11	1
Xylenes, Total	<0.00401	U *- *1	0.00401		mg/Kg		06/10/23 15:04	06/13/23 05:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130	06/10/23 15:04	06/13/23 05:11	1
1,4-Difluorobenzene (Surr)	83		70 - 130	06/10/23 15:04	06/13/23 05:11	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
 SDG: Lea County, New Mexico

Client Sample ID: S-5 (6")

Lab Sample ID: 880-29350-14

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/13/23 11:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/13/23 12:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/11/23 11:59	06/13/23 07:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/11/23 11:59	06/13/23 07:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/11/23 11:59	06/13/23 07:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130	06/11/23 11:59	06/13/23 07:22	1
o-Terphenyl	103		70 - 130	06/11/23 11:59	06/13/23 07:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.1		5.02		mg/Kg			06/12/23 18:14	1

Client Sample ID: S-5 (1')

Lab Sample ID: 880-29350-15

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/10/23 15:04	06/13/23 05:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/10/23 15:04	06/13/23 05:32	1
Ethylbenzene	<0.00199	U *1	0.00199		mg/Kg		06/10/23 15:04	06/13/23 05:32	1
m-Xylene & p-Xylene	<0.00398	U *-*1	0.00398		mg/Kg		06/10/23 15:04	06/13/23 05:32	1
o-Xylene	<0.00199	U *-*1	0.00199		mg/Kg		06/10/23 15:04	06/13/23 05:32	1
Xylenes, Total	<0.00398	U *-*1	0.00398		mg/Kg		06/10/23 15:04	06/13/23 05:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	06/10/23 15:04	06/13/23 05:32	1
1,4-Difluorobenzene (Surr)	81		70 - 130	06/10/23 15:04	06/13/23 05:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/13/23 11:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/13/23 12:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/11/23 11:59	06/13/23 07:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/11/23 11:59	06/13/23 07:44	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
 SDG: Lea County, New Mexico

Client Sample ID: S-5 (1')

Lab Sample ID: 880-29350-15

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

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		06/11/23 11:59	06/13/23 07:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				06/11/23 11:59	06/13/23 07:44	1
o-Terphenyl	106		70 - 130				06/11/23 11:59	06/13/23 07:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.3		5.04		mg/Kg			06/12/23 18:20	1

Surrogate Summary

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
 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)
880-29350-1	S-1 (0-3")	109	109
880-29350-1 MS	S-1 (0-3")	100	123
880-29350-1 MSD	S-1 (0-3")	96	101
880-29350-2	S-1 (6")	102	113
880-29350-3	S-1 (1')	76	86
880-29350-4	S-2 (0-3")	125	111
880-29350-5	S-2 (6")	65 S1-	88
880-29350-6	S-2 (1')	70	93
880-29350-7	S-3 (0-3")	96	109
880-29350-8	S-3 (6")	117	101
880-29350-9	S-3 (1')	82	86
880-29350-10	S-4 (0-3")	76	84
880-29350-11	S-4 (6")	54 S1-	100
880-29350-12	S-4 (1')	70	89
880-29350-13	S-5 (0-3")	84	77
880-29350-14	S-5 (6")	78	83
880-29350-15	S-5 (1')	87	81
LCS 880-55215/1-A	Lab Control Sample	58 S1-	113
LCSD 880-55215/2-A	Lab Control Sample Dup	116	114
MB 880-55176/5-A	Method Blank	69 S1-	98
MB 880-55215/5-A	Method Blank	64 S1-	100

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)
880-29346-A-1-H MS	Matrix Spike	98	97
880-29346-A-1-I MSD	Matrix Spike Duplicate	95	96
880-29350-1	S-1 (0-3")	94	153 S1+
880-29350-2	S-1 (6")	114	184 S1+
880-29350-3	S-1 (1')	148 S1+	114
880-29350-4	S-2 (0-3")	139 S1+	118
880-29350-5	S-2 (6")	156 S1+	121
880-29350-6	S-2 (1')	151 S1+	117
880-29350-7	S-3 (0-3")	132 S1+	163 S1+
880-29350-8	S-3 (6")	141 S1+	140 S1+
880-29350-9	S-3 (1')	143 S1+	110
880-29350-10	S-4 (0-3")	140 S1+	109
880-29350-10 MS	S-4 (0-3")	146 S1+	103
880-29350-10 MSD	S-4 (0-3")	145 S1+	102
880-29350-11	S-4 (6")	151 S1+	118
880-29350-12	S-4 (1')	142 S1+	113
880-29350-13	S-5 (0-3")	129	101
880-29350-14	S-5 (6")	132 S1+	103

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Surrogate Summary

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
 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)
880-29350-15	S-5 (1')	136 S1+	106
880-29351-A-11-E MS	Matrix Spike	137 S1+	110
880-29351-A-11-F MSD	Matrix Spike Duplicate	135 S1+	110
LCS 880-55185/2-A	Lab Control Sample	24 S1-	20 S1-
LCS 880-55232/2-A	Lab Control Sample	130	102
LCS 880-55379/2-A	Lab Control Sample	108	93
LCSD 880-55185/3-A	Lab Control Sample Dup	23 S1-	19 S1-
LCSD 880-55232/3-A	Lab Control Sample Dup	118	90
LCSD 880-55379/3-A	Lab Control Sample Dup	109	92
MB 880-55185/1-A	Method Blank	125	141 S1+
MB 880-55232/1-A	Method Blank	0.02 S1-	0.02 S1-
MB 880-55379/1-A	Method Blank	0.02 S1-	0.01 S1-

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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

QC Sample Results

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
 SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-55176/5-A
 Matrix: Solid
 Analysis Batch: 55243

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 55176

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/09/23 16:35	06/12/23 12:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/09/23 16:35	06/12/23 12:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/09/23 16:35	06/12/23 12:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/09/23 16:35	06/12/23 12:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/09/23 16:35	06/12/23 12:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/09/23 16:35	06/12/23 12:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	69	S1-	70 - 130	06/09/23 16:35	06/12/23 12:26	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/09/23 16:35	06/12/23 12:26	1

Lab Sample ID: MB 880-55215/5-A
 Matrix: Solid
 Analysis Batch: 55243

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 55215

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/10/23 15:04	06/12/23 23:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/10/23 15:04	06/12/23 23:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/10/23 15:04	06/12/23 23:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/10/23 15:04	06/12/23 23:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/10/23 15:04	06/12/23 23:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/10/23 15:04	06/12/23 23:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	64	S1-	70 - 130	06/10/23 15:04	06/12/23 23:23	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/10/23 15:04	06/12/23 23:23	1

Lab Sample ID: LCS 880-55215/1-A
 Matrix: Solid
 Analysis Batch: 55243

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 55215

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1189		mg/Kg		119	70 - 130
Toluene	0.100	0.08605		mg/Kg		86	70 - 130
Ethylbenzene	0.100	0.07514		mg/Kg		75	70 - 130
m-Xylene & p-Xylene	0.200	0.1385	*-	mg/Kg		69	70 - 130
o-Xylene	0.100	0.06744	*-	mg/Kg		67	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	58	S1-	70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: LCSD 880-55215/2-A
 Matrix: Solid
 Analysis Batch: 55243

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 55215

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1266		mg/Kg		127	70 - 130	6	35

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QC Sample Results

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-55215/2-A
 Matrix: Solid
 Analysis Batch: 55243

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 55215

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.1075		mg/Kg		108	70 - 130	22	35
Ethylbenzene	0.100	0.1173	*1	mg/Kg		117	70 - 130	44	35
m-Xylene & p-Xylene	0.200	0.2409	*1	mg/Kg		120	70 - 130	54	35
o-Xylene	0.100	0.1199	*1	mg/Kg		120	70 - 130	56	35

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Lab Sample ID: 880-29350-1 MS
 Matrix: Solid
 Analysis Batch: 55243

Client Sample ID: S-1 (0-3")
 Prep Type: Total/NA
 Prep Batch: 55215

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.0996	0.09110		mg/Kg		91	70 - 130
Toluene	<0.00198	U F1	0.0996	0.04611	F1	mg/Kg		45	70 - 130
Ethylbenzene	<0.00198	U *1 F1	0.0996	0.02595	F1	mg/Kg		26	70 - 130
m-Xylene & p-Xylene	<0.00396	U *1 F1	0.199	0.05230	F1	mg/Kg		26	70 - 130
o-Xylene	<0.00198	U *1 F1	0.0996	0.02748	F1	mg/Kg		27	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	123		70 - 130

Lab Sample ID: 880-29350-1 MSD
 Matrix: Solid
 Analysis Batch: 55243

Client Sample ID: S-1 (0-3")
 Prep Type: Total/NA
 Prep Batch: 55215

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.0992	0.08017		mg/Kg		81	70 - 130	13	35
Toluene	<0.00198	U F1	0.0992	0.05884	F1	mg/Kg		58	70 - 130	24	35
Ethylbenzene	<0.00198	U *1 F1	0.0992	0.02107	F1	mg/Kg		21	70 - 130	21	35
m-Xylene & p-Xylene	<0.00396	U *1 F1	0.198	0.04185	F1	mg/Kg		21	70 - 130	22	35
o-Xylene	<0.00198	U *1 F1	0.0992	0.02162	F1	mg/Kg		21	70 - 130	24	35

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

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

Lab Sample ID: MB 880-55185/1-A
 Matrix: Solid
 Analysis Batch: 55229

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 55185

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		06/09/23 17:18	06/11/23 19:35	1

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QC Sample Results

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-55185/1-A
Matrix: Solid
Analysis Batch: 55229

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 55185

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/09/23 17:18	06/11/23 19:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/09/23 17:18	06/11/23 19:35	1
Surrogate	MB MB		Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	125		70 - 130				06/09/23 17:18	06/11/23 19:35	1
o-Terphenyl	141	S1+	70 - 130				06/09/23 17:18	06/11/23 19:35	1

Lab Sample ID: LCS 880-55185/2-A
Matrix: Solid
Analysis Batch: 55229

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 55185

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	957.4		mg/Kg		96	70 - 130
Surrogate	LCS LCS		Limits				%Rec
	%Recovery	Qualifier					
1-Chlorooctane	24	S1-	70 - 130				
o-Terphenyl	20	S1-	70 - 130				

Lab Sample ID: LCSD 880-55185/3-A
Matrix: Solid
Analysis Batch: 55229

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 55185

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (Over C10-C28)	1000	925.2		mg/Kg		93	70 - 130	3	20
Surrogate	LCSD LCSD		Limits			%Rec	Limits	RPD	Limit
	%Recovery	Qualifier							
1-Chlorooctane	23	S1-	70 - 130						
o-Terphenyl	19	S1-	70 - 130						

Lab Sample ID: 880-29346-A-1-H MS
Matrix: Solid
Analysis Batch: 55229

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 55185

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	<49.9	U	999	907.7		mg/Kg		91	70 - 130
Surrogate	MS MS		Limits					%Rec	Limits
	%Recovery	Qualifier							
1-Chlorooctane	98		70 - 130						
o-Terphenyl	97		70 - 130						

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QC Sample Results

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-29346-A-1-I MSD
Matrix: Solid
Analysis Batch: 55229

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 55185

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	943.6		mg/Kg		93	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	875.3		mg/Kg		88	70 - 130	4	20
Surrogate	MSD	MSD									
	%Recovery	Qualifier	Limits								
1-Chlorooctane	95		70 - 130								
o-Terphenyl	96		70 - 130								

Lab Sample ID: MB 880-55232/1-A
Matrix: Solid
Analysis Batch: 55238

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 55232

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		06/11/23 11:59	06/12/23 20:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/11/23 11:59	06/12/23 20:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/11/23 11:59	06/12/23 20:14	1
Surrogate	MB	MB					Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier	Limits						
1-Chlorooctane	0.02	S1-	70 - 130				06/11/23 11:59	06/12/23 20:14	1
o-Terphenyl	0.02	S1-	70 - 130				06/11/23 11:59	06/12/23 20:14	1

Lab Sample ID: LCS 880-55232/2-A
Matrix: Solid
Analysis Batch: 55238

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 55232

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec	RPD	Limit
		Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	977.8		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	934.7		mg/Kg		93	70 - 130		
Surrogate	LCS	LCS							
	%Recovery	Qualifier	Limits						
1-Chlorooctane	130		70 - 130						
o-Terphenyl	102		70 - 130						

Lab Sample ID: LCSD 880-55232/3-A
Matrix: Solid
Analysis Batch: 55238

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 55232

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	Limit
		Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	980.0		mg/Kg		98	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	943.1		mg/Kg		94	70 - 130	1	20

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QC Sample Results

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-55232/3-A
Matrix: Solid
Analysis Batch: 55238

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 55232

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	118		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: 880-29350-10 MS
Matrix: Solid
Analysis Batch: 55238

Client Sample ID: S-4 (0-3")
Prep Type: Total/NA
Prep Batch: 55232

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	%Rec	Limits
	Result	Qualifier		Result	Qualifier					
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	1295		mg/Kg		128		70 - 130
Diesel Range Organics (Over C10-C28)	151		998	988.0		mg/Kg		84		70 - 130

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	146	S1+	70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: 880-29350-10 MSD
Matrix: Solid
Analysis Batch: 55238

Client Sample ID: S-4 (0-3")
Prep Type: Total/NA
Prep Batch: 55232

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	%Rec	Limits	RPD	
	Result	Qualifier		Result	Qualifier						RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	1240		mg/Kg		123		70 - 130	4	20
Diesel Range Organics (Over C10-C28)	151		998	978.3		mg/Kg		83		70 - 130	1	20

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	145	S1+	70 - 130
o-Terphenyl	102		70 - 130

Lab Sample ID: MB 880-55379/1-A
Matrix: Solid
Analysis Batch: 55457

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 55379

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/13/23 09:44	06/14/23 21:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/13/23 09:44	06/14/23 21:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/13/23 09:44	06/14/23 21:15	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	0.02	S1-	70 - 130	06/13/23 09:44	06/14/23 21:15	1
o-Terphenyl	0.01	S1-	70 - 130	06/13/23 09:44	06/14/23 21:15	1

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QC Sample Results

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-55379/2-A
Matrix: Solid
Analysis Batch: 55457

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 55379

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
							Lower	Upper
Gasoline Range Organics (GRO)-C6-C10	1000	829.5		mg/Kg		83	70	130
Diesel Range Organics (Over C10-C28)	1000	806.1		mg/Kg		81	70	130
		LCS	LCS					
Surrogate	%Recovery	Qualifier	Limits					
1-Chlorooctane	108		70 - 130					
o-Terphenyl	93		70 - 130					

Lab Sample ID: LCSD 880-55379/3-A
Matrix: Solid
Analysis Batch: 55457

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 55379

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD Limit	
							Lower	Upper	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	929.0		mg/Kg		93	70	130	11	20
Diesel Range Organics (Over C10-C28)	1000	910.9		mg/Kg		91	70	130	12	20
		LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	109		70 - 130							
o-Terphenyl	92		70 - 130							

Lab Sample ID: 880-29351-A-11-E MS
Matrix: Solid
Analysis Batch: 55457

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 55379

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
									Lower	Upper
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1080		mg/Kg		106	70	130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1099		mg/Kg		108	70	130
		MS	MS							
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	137	S1+	70 - 130							
o-Terphenyl	110		70 - 130							

Lab Sample ID: 880-29351-A-11-F MSD
Matrix: Solid
Analysis Batch: 55457

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 55379

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD Limit	
									Lower	Upper	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1076		mg/Kg		105	70	130	0	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1080		mg/Kg		106	70	130	2	20
		MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	135	S1+	70 - 130									

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QC Sample Results

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-29351-A-11-F MSD
 Matrix: Solid
 Analysis Batch: 55457

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 55379

Surrogate	%Recovery	MSD MSD Qualifier	Limits
<i>o</i> -Terphenyl	110		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-55249/1-A
 Matrix: Solid
 Analysis Batch: 55259

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			06/12/23 14:20	1

Lab Sample ID: LCS 880-55249/2-A
 Matrix: Solid
 Analysis Batch: 55259

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	256.2		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-55249/3-A
 Matrix: Solid
 Analysis Batch: 55259

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	266.1		mg/Kg		106	90 - 110	4	20

Lab Sample ID: 880-29350-1 MS
 Matrix: Solid
 Analysis Batch: 55259

Client Sample ID: S-1 (0-3")
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	67.1		249	311.2		mg/Kg		98	90 - 110

Lab Sample ID: 880-29350-1 MSD
 Matrix: Solid
 Analysis Batch: 55259

Client Sample ID: S-1 (0-3")
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	67.1		249	323.6		mg/Kg		103	90 - 110	4	20

Lab Sample ID: MB 880-55250/1-A
 Matrix: Solid
 Analysis Batch: 55260

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			06/12/23 17:29	1

QC Sample Results

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
 SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-55250/2-A
Matrix: Solid
Analysis Batch: 55260

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	257.7		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-55250/3-A
Matrix: Solid
Analysis Batch: 55260

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	259.8		mg/Kg		104	90 - 110	1	20

Lab Sample ID: 880-29350-11 MS
Matrix: Solid
Analysis Batch: 55260

Client Sample ID: S-4 (6")
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	54.8		252	298.8		mg/Kg		97	90 - 110

Lab Sample ID: 880-29350-11 MSD
Matrix: Solid
Analysis Batch: 55260

Client Sample ID: S-4 (6")
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	54.8		252	297.6		mg/Kg		96	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
 SDG: Lea County, New Mexico

GC VOA

Prep Batch: 55176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-55176/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 55215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29350-1	S-1 (0-3")	Total/NA	Solid	5035	
880-29350-2	S-1 (6")	Total/NA	Solid	5035	
880-29350-3	S-1 (1')	Total/NA	Solid	5035	
880-29350-4	S-2 (0-3")	Total/NA	Solid	5035	
880-29350-5	S-2 (6")	Total/NA	Solid	5035	
880-29350-6	S-2 (1')	Total/NA	Solid	5035	
880-29350-7	S-3 (0-3")	Total/NA	Solid	5035	
880-29350-8	S-3 (6")	Total/NA	Solid	5035	
880-29350-9	S-3 (1')	Total/NA	Solid	5035	
880-29350-10	S-4 (0-3")	Total/NA	Solid	5035	
880-29350-11	S-4 (6")	Total/NA	Solid	5035	
880-29350-12	S-4 (1')	Total/NA	Solid	5035	
880-29350-13	S-5 (0-3")	Total/NA	Solid	5035	
880-29350-14	S-5 (6")	Total/NA	Solid	5035	
880-29350-15	S-5 (1')	Total/NA	Solid	5035	
MB 880-55215/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-55215/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-55215/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-29350-1 MS	S-1 (0-3")	Total/NA	Solid	5035	
880-29350-1 MSD	S-1 (0-3")	Total/NA	Solid	5035	

Analysis Batch: 55243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29350-1	S-1 (0-3")	Total/NA	Solid	8021B	55215
880-29350-2	S-1 (6")	Total/NA	Solid	8021B	55215
880-29350-3	S-1 (1')	Total/NA	Solid	8021B	55215
880-29350-4	S-2 (0-3")	Total/NA	Solid	8021B	55215
880-29350-5	S-2 (6")	Total/NA	Solid	8021B	55215
880-29350-6	S-2 (1')	Total/NA	Solid	8021B	55215
880-29350-7	S-3 (0-3")	Total/NA	Solid	8021B	55215
880-29350-8	S-3 (6")	Total/NA	Solid	8021B	55215
880-29350-9	S-3 (1')	Total/NA	Solid	8021B	55215
880-29350-10	S-4 (0-3")	Total/NA	Solid	8021B	55215
880-29350-11	S-4 (6")	Total/NA	Solid	8021B	55215
880-29350-12	S-4 (1')	Total/NA	Solid	8021B	55215
880-29350-13	S-5 (0-3")	Total/NA	Solid	8021B	55215
880-29350-14	S-5 (6")	Total/NA	Solid	8021B	55215
880-29350-15	S-5 (1')	Total/NA	Solid	8021B	55215
MB 880-55176/5-A	Method Blank	Total/NA	Solid	8021B	55176
MB 880-55215/5-A	Method Blank	Total/NA	Solid	8021B	55215
LCS 880-55215/1-A	Lab Control Sample	Total/NA	Solid	8021B	55215
LCSD 880-55215/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	55215
880-29350-1 MS	S-1 (0-3")	Total/NA	Solid	8021B	55215
880-29350-1 MSD	S-1 (0-3")	Total/NA	Solid	8021B	55215

QC Association Summary

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
 SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 55400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29350-1	S-1 (0-3")	Total/NA	Solid	Total BTEX	
880-29350-2	S-1 (6")	Total/NA	Solid	Total BTEX	
880-29350-3	S-1 (1')	Total/NA	Solid	Total BTEX	
880-29350-4	S-2 (0-3")	Total/NA	Solid	Total BTEX	
880-29350-5	S-2 (6")	Total/NA	Solid	Total BTEX	
880-29350-6	S-2 (1')	Total/NA	Solid	Total BTEX	
880-29350-7	S-3 (0-3")	Total/NA	Solid	Total BTEX	
880-29350-8	S-3 (6")	Total/NA	Solid	Total BTEX	
880-29350-9	S-3 (1')	Total/NA	Solid	Total BTEX	
880-29350-10	S-4 (0-3")	Total/NA	Solid	Total BTEX	
880-29350-11	S-4 (6")	Total/NA	Solid	Total BTEX	
880-29350-12	S-4 (1')	Total/NA	Solid	Total BTEX	
880-29350-13	S-5 (0-3")	Total/NA	Solid	Total BTEX	
880-29350-14	S-5 (6")	Total/NA	Solid	Total BTEX	
880-29350-15	S-5 (1')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 55185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29350-1	S-1 (0-3")	Total/NA	Solid	8015NM Prep	
880-29350-2	S-1 (6")	Total/NA	Solid	8015NM Prep	
MB 880-55185/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-55185/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-55185/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-29346-A-1-H MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-29346-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 55229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29350-1	S-1 (0-3")	Total/NA	Solid	8015B NM	55185
880-29350-2	S-1 (6")	Total/NA	Solid	8015B NM	55185
MB 880-55185/1-A	Method Blank	Total/NA	Solid	8015B NM	55185
LCS 880-55185/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	55185
LCSD 880-55185/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	55185
880-29346-A-1-H MS	Matrix Spike	Total/NA	Solid	8015B NM	55185
880-29346-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	55185

Prep Batch: 55232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29350-3	S-1 (1')	Total/NA	Solid	8015NM Prep	
880-29350-5	S-2 (6")	Total/NA	Solid	8015NM Prep	
880-29350-6	S-2 (1')	Total/NA	Solid	8015NM Prep	
880-29350-9	S-3 (1')	Total/NA	Solid	8015NM Prep	
880-29350-10	S-4 (0-3")	Total/NA	Solid	8015NM Prep	
880-29350-11	S-4 (6")	Total/NA	Solid	8015NM Prep	
880-29350-12	S-4 (1')	Total/NA	Solid	8015NM Prep	
880-29350-13	S-5 (0-3")	Total/NA	Solid	8015NM Prep	
880-29350-14	S-5 (6")	Total/NA	Solid	8015NM Prep	
880-29350-15	S-5 (1')	Total/NA	Solid	8015NM Prep	
MB 880-55232/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
 SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 55232 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-55232/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-55232/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-29350-10 MS	S-4 (0-3")	Total/NA	Solid	8015NM Prep	
880-29350-10 MSD	S-4 (0-3")	Total/NA	Solid	8015NM Prep	

Analysis Batch: 55238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29350-3	S-1 (1')	Total/NA	Solid	8015B NM	55232
880-29350-5	S-2 (6")	Total/NA	Solid	8015B NM	55232
880-29350-6	S-2 (1')	Total/NA	Solid	8015B NM	55232
880-29350-9	S-3 (1')	Total/NA	Solid	8015B NM	55232
880-29350-10	S-4 (0-3")	Total/NA	Solid	8015B NM	55232
880-29350-11	S-4 (6")	Total/NA	Solid	8015B NM	55232
880-29350-12	S-4 (1')	Total/NA	Solid	8015B NM	55232
880-29350-13	S-5 (0-3")	Total/NA	Solid	8015B NM	55232
880-29350-14	S-5 (6")	Total/NA	Solid	8015B NM	55232
880-29350-15	S-5 (1')	Total/NA	Solid	8015B NM	55232
MB 880-55232/1-A	Method Blank	Total/NA	Solid	8015B NM	55232
LCS 880-55232/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	55232
LCSD 880-55232/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	55232
880-29350-10 MS	S-4 (0-3")	Total/NA	Solid	8015B NM	55232
880-29350-10 MSD	S-4 (0-3")	Total/NA	Solid	8015B NM	55232

Analysis Batch: 55330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29350-1	S-1 (0-3")	Total/NA	Solid	8015 NM	
880-29350-2	S-1 (6")	Total/NA	Solid	8015 NM	
880-29350-3	S-1 (1')	Total/NA	Solid	8015 NM	
880-29350-4	S-2 (0-3")	Total/NA	Solid	8015 NM	
880-29350-5	S-2 (6")	Total/NA	Solid	8015 NM	
880-29350-6	S-2 (1')	Total/NA	Solid	8015 NM	
880-29350-7	S-3 (0-3")	Total/NA	Solid	8015 NM	
880-29350-8	S-3 (6")	Total/NA	Solid	8015 NM	
880-29350-9	S-3 (1')	Total/NA	Solid	8015 NM	
880-29350-10	S-4 (0-3")	Total/NA	Solid	8015 NM	
880-29350-11	S-4 (6")	Total/NA	Solid	8015 NM	
880-29350-12	S-4 (1')	Total/NA	Solid	8015 NM	
880-29350-13	S-5 (0-3")	Total/NA	Solid	8015 NM	
880-29350-14	S-5 (6")	Total/NA	Solid	8015 NM	
880-29350-15	S-5 (1')	Total/NA	Solid	8015 NM	

Prep Batch: 55379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29350-4	S-2 (0-3")	Total/NA	Solid	8015NM Prep	
880-29350-7	S-3 (0-3")	Total/NA	Solid	8015NM Prep	
880-29350-8	S-3 (6")	Total/NA	Solid	8015NM Prep	
MB 880-55379/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-55379/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-55379/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-29351-A-11-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-29351-A-11-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
 SDG: Lea County, New Mexico

GC Semi VOA

Analysis Batch: 55457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29350-4	S-2 (0-3")	Total/NA	Solid	8015B NM	55379
880-29350-7	S-3 (0-3")	Total/NA	Solid	8015B NM	55379
880-29350-8	S-3 (6")	Total/NA	Solid	8015B NM	55379
MB 880-55379/1-A	Method Blank	Total/NA	Solid	8015B NM	55379
LCS 880-55379/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	55379
LCSD 880-55379/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	55379
880-29351-A-11-E MS	Matrix Spike	Total/NA	Solid	8015B NM	55379
880-29351-A-11-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	55379

HPLC/IC

Leach Batch: 55249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29350-1	S-1 (0-3")	Soluble	Solid	DI Leach	
880-29350-2	S-1 (6")	Soluble	Solid	DI Leach	
880-29350-3	S-1 (1')	Soluble	Solid	DI Leach	
880-29350-4	S-2 (0-3")	Soluble	Solid	DI Leach	
880-29350-5	S-2 (6")	Soluble	Solid	DI Leach	
880-29350-6	S-2 (1')	Soluble	Solid	DI Leach	
880-29350-7	S-3 (0-3")	Soluble	Solid	DI Leach	
880-29350-8	S-3 (6")	Soluble	Solid	DI Leach	
880-29350-9	S-3 (1')	Soluble	Solid	DI Leach	
880-29350-10	S-4 (0-3")	Soluble	Solid	DI Leach	
MB 880-55249/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-55249/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-55249/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-29350-1 MS	S-1 (0-3")	Soluble	Solid	DI Leach	
880-29350-1 MSD	S-1 (0-3")	Soluble	Solid	DI Leach	

Leach Batch: 55250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29350-11	S-4 (6")	Soluble	Solid	DI Leach	
880-29350-12	S-4 (1')	Soluble	Solid	DI Leach	
880-29350-13	S-5 (0-3")	Soluble	Solid	DI Leach	
880-29350-14	S-5 (6")	Soluble	Solid	DI Leach	
880-29350-15	S-5 (1')	Soluble	Solid	DI Leach	
MB 880-55250/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-55250/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-55250/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-29350-11 MS	S-4 (6")	Soluble	Solid	DI Leach	
880-29350-11 MSD	S-4 (6")	Soluble	Solid	DI Leach	

Analysis Batch: 55259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29350-1	S-1 (0-3")	Soluble	Solid	300.0	55249
880-29350-2	S-1 (6")	Soluble	Solid	300.0	55249
880-29350-3	S-1 (1')	Soluble	Solid	300.0	55249
880-29350-4	S-2 (0-3")	Soluble	Solid	300.0	55249
880-29350-5	S-2 (6")	Soluble	Solid	300.0	55249
880-29350-6	S-2 (1')	Soluble	Solid	300.0	55249
880-29350-7	S-3 (0-3")	Soluble	Solid	300.0	55249

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
 SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 55259 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29350-8	S-3 (6")	Soluble	Solid	300.0	55249
880-29350-9	S-3 (1')	Soluble	Solid	300.0	55249
880-29350-10	S-4 (0-3")	Soluble	Solid	300.0	55249
MB 880-55249/1-A	Method Blank	Soluble	Solid	300.0	55249
LCS 880-55249/2-A	Lab Control Sample	Soluble	Solid	300.0	55249
LCSD 880-55249/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	55249
880-29350-1 MS	S-1 (0-3")	Soluble	Solid	300.0	55249
880-29350-1 MSD	S-1 (0-3")	Soluble	Solid	300.0	55249

Analysis Batch: 55260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29350-11	S-4 (6")	Soluble	Solid	300.0	55250
880-29350-12	S-4 (1')	Soluble	Solid	300.0	55250
880-29350-13	S-5 (0-3")	Soluble	Solid	300.0	55250
880-29350-14	S-5 (6")	Soluble	Solid	300.0	55250
880-29350-15	S-5 (1')	Soluble	Solid	300.0	55250
MB 880-55250/1-A	Method Blank	Soluble	Solid	300.0	55250
LCS 880-55250/2-A	Lab Control Sample	Soluble	Solid	300.0	55250
LCSD 880-55250/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	55250
880-29350-11 MS	S-4 (6")	Soluble	Solid	300.0	55250
880-29350-11 MSD	S-4 (6")	Soluble	Solid	300.0	55250

Lab Chronicle

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
 SDG: Lea County, New Mexico

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

Lab Sample ID: 880-29350-1

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	55215	06/10/23 15:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55243	06/12/23 23:44	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55400	06/13/23 11:41	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55330	06/12/23 14:08	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	55185	06/09/23 17:18	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	55229	06/12/23 03:54	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	55249	06/12/23 09:17	KS	EET MID
Soluble	Analysis	300.0		1			55259	06/12/23 15:51	CH	EET MID

Client Sample ID: S-1 (6")

Lab Sample ID: 880-29350-2

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	55215	06/10/23 15:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55243	06/13/23 00:05	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55400	06/13/23 11:41	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55330	06/12/23 14:08	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	55185	06/09/23 17:18	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	55229	06/12/23 04:14	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	55249	06/12/23 09:17	KS	EET MID
Soluble	Analysis	300.0		1			55259	06/12/23 16:07	CH	EET MID

Client Sample ID: S-1 (1')

Lab Sample ID: 880-29350-3

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	55215	06/10/23 15:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55243	06/13/23 00:25	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55400	06/13/23 11:41	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55330	06/13/23 12:11	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	55232	06/11/23 11:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55238	06/12/23 23:34	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	55249	06/12/23 09:17	KS	EET MID
Soluble	Analysis	300.0		1			55259	06/12/23 16:12	CH	EET MID

Client Sample ID: S-2 (0-3")

Lab Sample ID: 880-29350-4

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	55215	06/10/23 15:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55243	06/13/23 00:45	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55400	06/13/23 11:41	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
 SDG: Lea County, New Mexico

Client Sample ID: S-2 (0-3")

Lab Sample ID: 880-29350-4

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			55330	06/15/23 12:35	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	55379	06/13/23 09:44	AM	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	55457	06/15/23 06:33	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	55249	06/12/23 09:17	KS	EET MID
Soluble	Analysis	300.0		1			55259	06/12/23 16:28	CH	EET MID

Client Sample ID: S-2 (6")

Lab Sample ID: 880-29350-5

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	55215	06/10/23 15:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55243	06/13/23 01:06	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55400	06/13/23 11:41	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55330	06/13/23 12:11	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	55232	06/11/23 11:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55238	06/12/23 23:12	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	55249	06/12/23 09:17	KS	EET MID
Soluble	Analysis	300.0		1			55259	06/12/23 16:33	CH	EET MID

Client Sample ID: S-2 (1')

Lab Sample ID: 880-29350-6

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	55215	06/10/23 15:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55243	06/13/23 01:26	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55400	06/13/23 11:41	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55330	06/13/23 12:11	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	55232	06/11/23 11:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55238	06/12/23 23:56	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	55249	06/12/23 09:17	KS	EET MID
Soluble	Analysis	300.0		1			55259	06/12/23 16:39	CH	EET MID

Client Sample ID: S-3 (0-3")

Lab Sample ID: 880-29350-7

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	55215	06/10/23 15:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55243	06/13/23 01:47	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55400	06/13/23 11:41	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55330	06/15/23 12:35	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	55379	06/13/23 09:45	AM	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	55457	06/15/23 08:21	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
 SDG: Lea County, New Mexico

Client Sample ID: S-3 (0-3")

Lab Sample ID: 880-29350-7

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	55249	06/12/23 09:17	KS	EET MID
Soluble	Analysis	300.0		1			55259	06/12/23 16:44	CH	EET MID

Client Sample ID: S-3 (6")

Lab Sample ID: 880-29350-8

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	55215	06/10/23 15:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55243	06/13/23 02:07	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55400	06/13/23 11:41	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55330	06/15/23 12:35	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	55379	06/13/23 09:44	AM	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	55457	06/15/23 07:08	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	55249	06/12/23 09:17	KS	EET MID
Soluble	Analysis	300.0		1			55259	06/12/23 16:50	CH	EET MID

Client Sample ID: S-3 (1')

Lab Sample ID: 880-29350-9

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	55215	06/10/23 15:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55243	06/13/23 02:28	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55400	06/13/23 11:41	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55330	06/13/23 12:11	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	55232	06/11/23 11:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55238	06/13/23 00:17	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	55249	06/12/23 09:17	KS	EET MID
Soluble	Analysis	300.0		1			55259	06/12/23 16:56	CH	EET MID

Client Sample ID: S-4 (0-3")

Lab Sample ID: 880-29350-10

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	55215	06/10/23 15:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55243	06/13/23 02:48	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55400	06/13/23 11:41	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55330	06/13/23 12:11	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	55232	06/11/23 11:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55238	06/12/23 22:07	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	55249	06/12/23 09:17	KS	EET MID
Soluble	Analysis	300.0		1			55259	06/12/23 17:01	CH	EET MID

Lab Chronicle

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
 SDG: Lea County, New Mexico

Client Sample ID: S-4 (6")

Lab Sample ID: 880-29350-11

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	55215	06/10/23 15:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55243	06/13/23 04:10	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55400	06/13/23 11:41	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55330	06/13/23 12:11	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	55232	06/11/23 11:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55238	06/13/23 00:39	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	55250	06/12/23 09:18	KS	EET MID
Soluble	Analysis	300.0		1			55260	06/12/23 17:46	CH	EET MID

Client Sample ID: S-4 (1')

Lab Sample ID: 880-29350-12

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	55215	06/10/23 15:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55243	06/13/23 04:31	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55400	06/13/23 11:41	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55330	06/13/23 12:11	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	55232	06/11/23 11:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55238	06/13/23 06:35	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	55250	06/12/23 09:18	KS	EET MID
Soluble	Analysis	300.0		1			55260	06/12/23 18:03	CH	EET MID

Client Sample ID: S-5 (0-3")

Lab Sample ID: 880-29350-13

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	55215	06/10/23 15:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55243	06/13/23 04:51	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55400	06/13/23 11:41	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55330	06/13/23 12:11	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	55232	06/11/23 11:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55238	06/13/23 06:59	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	55250	06/12/23 09:18	KS	EET MID
Soluble	Analysis	300.0		1			55260	06/12/23 18:09	CH	EET MID

Client Sample ID: S-5 (6")

Lab Sample ID: 880-29350-14

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	55215	06/10/23 15:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55243	06/13/23 05:11	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55400	06/13/23 11:41	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
 SDG: Lea County, New Mexico

Client Sample ID: S-5 (6")

Lab Sample ID: 880-29350-14

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			55330	06/13/23 12:11	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	55232	06/11/23 11:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55238	06/13/23 07:22	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	55250	06/12/23 09:18	KS	EET MID
Soluble	Analysis	300.0		1			55260	06/12/23 18:14	CH	EET MID

Client Sample ID: S-5 (1')

Lab Sample ID: 880-29350-15

Date Collected: 06/08/23 00:00

Matrix: Solid

Date Received: 06/09/23 15:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	55215	06/10/23 15:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55243	06/13/23 05:32	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55400	06/13/23 11:41	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55330	06/13/23 12:11	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	55232	06/11/23 11:59	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55238	06/13/23 07:44	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	55250	06/12/23 09:18	KS	EET MID
Soluble	Analysis	300.0		1			55260	06/12/23 18:20	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: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
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
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Method Summary

Client: Carmona Resources
 Project/Site: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
 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: Baseball Cap Federal 25P (06.01.23)

Job ID: 880-29350-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-29350-1	S-1 (0-3")	Solid	06/08/23 00:00	06/09/23 15:00
880-29350-2	S-1 (6")	Solid	06/08/23 00:00	06/09/23 15:00
880-29350-3	S-1 (1')	Solid	06/08/23 00:00	06/09/23 15:00
880-29350-4	S-2 (0-3")	Solid	06/08/23 00:00	06/09/23 15:00
880-29350-5	S-2 (6")	Solid	06/08/23 00:00	06/09/23 15:00
880-29350-6	S-2 (1')	Solid	06/08/23 00:00	06/09/23 15:00
880-29350-7	S-3 (0-3")	Solid	06/08/23 00:00	06/09/23 15:00
880-29350-8	S-3 (6")	Solid	06/08/23 00:00	06/09/23 15:00
880-29350-9	S-3 (1')	Solid	06/08/23 00:00	06/09/23 15:00
880-29350-10	S-4 (0-3")	Solid	06/08/23 00:00	06/09/23 15:00
880-29350-11	S-4 (6")	Solid	06/08/23 00:00	06/09/23 15:00
880-29350-12	S-4 (1')	Solid	06/08/23 00:00	06/09/23 15:00
880-29350-13	S-5 (0-3")	Solid	06/08/23 00:00	06/09/23 15:00
880-29350-14	S-5 (6")	Solid	06/08/23 00:00	06/09/23 15:00
880-29350-15	S-5 (1')	Solid	06/08/23 00:00	06/09/23 15:00

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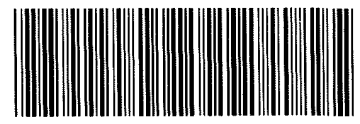
Chain of Custody

Work Order No: 29350

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	<input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Deepfund <input type="checkbox"/>
State of Project:	
Reporting Level II	<input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables EDD	<input type="checkbox"/> ADaPT <input type="checkbox"/> Other

Project Name	Turn Around		ANALYSIS REQUEST												Preservative Codes								
Project Number	2046	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code														None NO	DI Water H ₂ O					
Project Location	Lea County, New Mexico		Due Date	72 Hrs													Cool Cool	MeOH Me					
Sampler's Name	CCM																HCL HC	HNO ₃ HN					
PO #																	H ₂ S ₄ H ₂	NaOH Na					
SAMPLE RECEIPT		Temp Blank	Wet Ice	Thermometer ID		Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0													Sample Comments	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																					
Cooler Custody Seals	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A																						
Sample Custody Seals	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A																						
Total Containers																							
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																	
S-1 (0-3")	6/8/2022		X		G	1	X	X	X														
S-1 (6")	6/8/2022		X		G	1	X	X	X														
S-1 (1')	6/8/2022		X		G	1	X	X	X														
S-2 (0-3")	6/8/2022		X		G	1	X	X	X														
S-2 (6")	6/8/2022		X		G	1	X	X	X														
S-2 (1')	6/8/2022		X		G	1	X	X	X														
S-3 (0-3")	6/8/2022		X		G	1	X	X	X														
S-3 (6")	6/8/2022		X		G	1	X	X	X														
S-3 (1')	6/8/2022		X		G	1	X	X	X														
S-4 (0-3")	6/8/2022		X		G	1	X	X	X														



880-29350 Chain of Custody

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
<i>Conner Moehring</i>	6-9-23 1500	<i>[Signature]</i>	

Charmon f Custody

Work Order No: 29350

6/15/2023

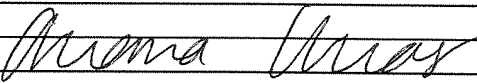
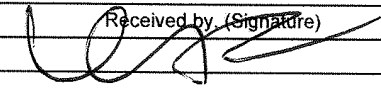
Page 2 of 2

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

Work Order Comments	
Program UST/PST	<input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> perfund <input type="checkbox"/>
State of Project:	
Reporting Level II	<input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables. EDD	<input type="checkbox"/> ADaPT <input type="checkbox"/> Other

Project Name	Baseball Cap Federal 25P (06 01.23)		Turn Around		ANALYSIS REQUEST												Preservative Codes						
Project Number	2046		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code													None NO DI Water H ₂ O					
Project Location	Lea County, New Mexico		Due Date	72 Hrs	Parameters													Cool Cool MeOH Me					
Sampler's Name	CCM																	HCL HC HNO ₃ HN					
PO #																		H ₂ S0 ₄ H ₂ NaOH Na					
SAMPLE RECEIPT			Temp Blank Yes No			Wet Ice Yes No														H ₃ PO ₄ HP			
Received Intact:	Yes No		Thermometer ID															NaHSO ₄ NABIS					
Cooler Custody Seals	Yes No N/A		Correction Factor															Na ₂ S-O ₃ NaSO ₃					
Sample Custody Seals	Yes No N/A		Temperature Reading															Zn Acetate+NaOH Zn					
Total Containers			Corrected Temperature															NaOH+Ascorbic Acid SAPC					
																			Sample Comments				
Sample Identification	Date	Time	Soil	Water		Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0													Loc: 880 29350
S-4 (6")	6/8/2022		X		G	1	X	X	X														
S-4 (1')	6/8/2022		X		G	1	X	X	X														
S-5 (0-3")	6/8/2022		X		G	1	X	X	X														
S-5 (6")	6/8/2022		X		G	1	X	X	X														
S-5 (1')	6/8/2022		X		G	1	X	X	X														

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	6-9-23 1500		

Page 42 of 43

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-29350-1
SDG Number: Lea County, New Mexico

Login Number: 29350

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 09, 2023

CONNER MOEHRING
CARMONA RESOURCES
310 W WALL ST SUITE 415
MIDLAND, TX 79701

RE: BASEBALL CAP FEDERAL 25P (06.01.23)

Enclosed are the results of analyses for samples received by the laboratory on 08/08/23 8:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/08/2023	Sampling Date:	08/08/2023
Reported:	08/09/2023	Sampling Type:	Soil
Project Name:	BASEBALL CAP FEDERAL 25P (06.01.23)	Sampling Condition:	Cool & Intact
Project Number:	2046	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 1 (1.0') (H234199-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2023	ND	2.18	109	2.00	0.499	
Toluene*	<0.050	0.050	08/08/2023	ND	2.10	105	2.00	1.58	
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.99	99.5	2.00	1.24	
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.96	99.3	6.00	1.55	
Total BTEX	<0.300	0.300	08/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/08/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.7	200	4.11	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	148	74.0	200	3.12	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 98.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/08/2023	Sampling Date:	08/08/2023
Reported:	08/09/2023	Sampling Type:	Soil
Project Name:	BASEBALL CAP FEDERAL 25P (06.01.23)	Sampling Condition:	Cool & Intact
Project Number:	2046	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 2 (1.0') (H234199-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2023	ND	2.18	109	2.00	0.499	
Toluene*	<0.050	0.050	08/08/2023	ND	2.10	105	2.00	1.58	
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.99	99.5	2.00	1.24	
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.96	99.3	6.00	1.55	
Total BTEX	<0.300	0.300	08/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/08/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.7	200	4.11	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	148	74.0	200	3.12	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/08/2023	Sampling Date:	08/08/2023
Reported:	08/09/2023	Sampling Type:	Soil
Project Name:	BASEBALL CAP FEDERAL 25P (06.01.23)	Sampling Condition:	Cool & Intact
Project Number:	2046	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 3 (1.0') (H234199-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2023	ND	2.18	109	2.00	0.499	
Toluene*	<0.050	0.050	08/08/2023	ND	2.10	105	2.00	1.58	
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.99	99.5	2.00	1.24	
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.96	99.3	6.00	1.55	
Total BTEX	<0.300	0.300	08/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/08/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.7	200	4.11	
DRO >C10-C28*	18.1	10.0	08/08/2023	ND	148	74.0	200	3.12	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 70.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.0 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/08/2023	Sampling Date:	08/08/2023
Reported:	08/09/2023	Sampling Type:	Soil
Project Name:	BASEBALL CAP FEDERAL 25P (06.01.23)	Sampling Condition:	Cool & Intact
Project Number:	2046	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 4 (1.0') (H234199-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2023	ND	2.18	109	2.00	0.499	
Toluene*	<0.050	0.050	08/08/2023	ND	2.10	105	2.00	1.58	
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.99	99.5	2.00	1.24	
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.96	99.3	6.00	1.55	
Total BTEX	<0.300	0.300	08/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/08/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.7	200	4.11	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	148	74.0	200	3.12	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.2 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/08/2023	Sampling Date:	08/08/2023
Reported:	08/09/2023	Sampling Type:	Soil
Project Name:	BASEBALL CAP FEDERAL 25P (06.01.23)	Sampling Condition:	Cool & Intact
Project Number:	2046	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 5 (1.0') (H234199-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2023	ND	2.18	109	2.00	0.499	
Toluene*	<0.050	0.050	08/08/2023	ND	2.10	105	2.00	1.58	
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.99	99.5	2.00	1.24	
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.96	99.3	6.00	1.55	
Total BTEX	<0.300	0.300	08/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/08/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.7	200	4.11	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	148	74.0	200	3.12	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/08/2023	Sampling Date:	08/08/2023
Reported:	08/09/2023	Sampling Type:	Soil
Project Name:	BASEBALL CAP FEDERAL 25P (06.01.23)	Sampling Condition:	Cool & Intact
Project Number:	2046	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 6 (1.5') (H234199-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2023	ND	2.18	109	2.00	0.499	
Toluene*	<0.050	0.050	08/08/2023	ND	2.10	105	2.00	1.58	
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.99	99.5	2.00	1.24	
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.96	99.3	6.00	1.55	
Total BTEX	<0.300	0.300	08/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/08/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.7	200	4.11	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	148	74.0	200	3.12	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 93.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/08/2023	Sampling Date:	08/08/2023
Reported:	08/09/2023	Sampling Type:	Soil
Project Name:	BASEBALL CAP FEDERAL 25P (06.01.23)	Sampling Condition:	Cool & Intact
Project Number:	2046	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 7 (1.5') (H234199-07)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/08/2023	ND	2.18	109	2.00	0.499		
Toluene*	<0.050	0.050	08/08/2023	ND	2.10	105	2.00	1.58		
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.99	99.5	2.00	1.24		
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.96	99.3	6.00	1.55		
Total BTEX	<0.300	0.300	08/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.7	200	4.11		
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	148	74.0	200	3.12		
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND						

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/08/2023	Sampling Date:	08/08/2023
Reported:	08/09/2023	Sampling Type:	Soil
Project Name:	BASEBALL CAP FEDERAL 25P (06.01.23)	Sampling Condition:	Cool & Intact
Project Number:	2046	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 8 (1.5') (H234199-08)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2023	ND	2.18	109	2.00	0.499	
Toluene*	<0.050	0.050	08/08/2023	ND	2.10	105	2.00	1.58	
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.99	99.5	2.00	1.24	
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.96	99.3	6.00	1.55	
Total BTEX	<0.300	0.300	08/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/08/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.7	200	4.11	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	148	74.0	200	3.12	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.5 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/08/2023	Sampling Date:	08/08/2023
Reported:	08/09/2023	Sampling Type:	Soil
Project Name:	BASEBALL CAP FEDERAL 25P (06.01.23)	Sampling Condition:	Cool & Intact
Project Number:	2046	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 9 (1.5') (H234199-09)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/08/2023	ND	2.18	109	2.00	0.499		
Toluene*	<0.050	0.050	08/08/2023	ND	2.10	105	2.00	1.58		
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.99	99.5	2.00	1.24		
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.96	99.3	6.00	1.55		
Total BTEX	<0.300	0.300	08/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.7	200	4.11		
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	148	74.0	200	3.12		
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND						

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/08/2023	Sampling Date:	08/08/2023
Reported:	08/09/2023	Sampling Type:	Soil
Project Name:	BASEBALL CAP FEDERAL 25P (06.01.23)	Sampling Condition:	Cool & Intact
Project Number:	2046	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 10 (1.5') (H234199-10)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2023	ND	2.18	109	2.00	0.499	
Toluene*	<0.050	0.050	08/08/2023	ND	2.10	105	2.00	1.58	
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.99	99.5	2.00	1.24	
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.96	99.3	6.00	1.55	
Total BTEX	<0.300	0.300	08/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/08/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.7	200	4.11	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	148	74.0	200	3.12	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 74.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.7 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/08/2023	Sampling Date:	08/08/2023
Reported:	08/09/2023	Sampling Type:	Soil
Project Name:	BASEBALL CAP FEDERAL 25P (06.01.23)	Sampling Condition:	Cool & Intact
Project Number:	2046	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 11 (1.5') (H234199-11)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/08/2023	ND	2.18	109	2.00	0.499		
Toluene*	<0.050	0.050	08/08/2023	ND	2.10	105	2.00	1.58		
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.99	99.5	2.00	1.24		
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.96	99.3	6.00	1.55		
Total BTEX	<0.300	0.300	08/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.7	200	4.11		
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	148	74.0	200	3.12		
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND						

Surrogate: 1-Chlorooctane 62.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/08/2023	Sampling Date:	08/08/2023
Reported:	08/09/2023	Sampling Type:	Soil
Project Name:	BASEBALL CAP FEDERAL 25P (06.01.23)	Sampling Condition:	Cool & Intact
Project Number:	2046	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 12 (0.5') (H234199-12)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/08/2023	ND	2.18	109	2.00	0.499		
Toluene*	<0.050	0.050	08/08/2023	ND	2.10	105	2.00	1.58		
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.99	99.5	2.00	1.24		
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.96	99.3	6.00	1.55		
Total BTEX	<0.300	0.300	08/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.7	200	4.11		
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	148	74.0	200	3.12		
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND						

Surrogate: 1-Chlorooctane 64.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.9 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/08/2023	Sampling Date:	08/08/2023
Reported:	08/09/2023	Sampling Type:	Soil
Project Name:	BASEBALL CAP FEDERAL 25P (06.01.23)	Sampling Condition:	Cool & Intact
Project Number:	2046	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 13 (0.5') (H234199-13)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2023	ND	2.18	109	2.00	0.499	
Toluene*	<0.050	0.050	08/08/2023	ND	2.10	105	2.00	1.58	
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.99	99.5	2.00	1.24	
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.96	99.3	6.00	1.55	
Total BTEX	<0.300	0.300	08/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/08/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.7	200	4.11	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	148	74.0	200	3.12	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 72.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.9 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/08/2023	Sampling Date:	08/08/2023
Reported:	08/09/2023	Sampling Type:	Soil
Project Name:	BASEBALL CAP FEDERAL 25P (06.01.23)	Sampling Condition:	Cool & Intact
Project Number:	2046	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 14 (0.5') (H234199-14)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2023	ND	2.18	109	2.00	0.499	
Toluene*	<0.050	0.050	08/08/2023	ND	2.10	105	2.00	1.58	
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.99	99.5	2.00	1.24	
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.96	99.3	6.00	1.55	
Total BTEX	<0.300	0.300	08/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/08/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.7	200	4.11	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	148	74.0	200	3.12	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 67.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.6 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/08/2023	Sampling Date:	08/08/2023
Reported:	08/09/2023	Sampling Type:	Soil
Project Name:	BASEBALL CAP FEDERAL 25P (06.01.23)	Sampling Condition:	Cool & Intact
Project Number:	2046	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 15 (0.5') (H234199-15)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/08/2023	ND	2.18	109	2.00	0.499		
Toluene*	<0.050	0.050	08/08/2023	ND	2.10	105	2.00	1.58		
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.99	99.5	2.00	1.24		
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.96	99.3	6.00	1.55		
Total BTEX	<0.300	0.300	08/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.7	200	4.11		
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	148	74.0	200	3.12		
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND						

Surrogate: 1-Chlorooctane 64.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.8 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/08/2023	Sampling Date:	08/08/2023
Reported:	08/09/2023	Sampling Type:	Soil
Project Name:	BASEBALL CAP FEDERAL 25P (06.01.23)	Sampling Condition:	Cool & Intact
Project Number:	2046	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: SW - 1 (1.0') (H234199-16)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2023	ND	2.18	109	2.00	0.499	
Toluene*	<0.050	0.050	08/08/2023	ND	2.10	105	2.00	1.58	
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.99	99.5	2.00	1.24	
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.96	99.3	6.00	1.55	
Total BTEX	<0.300	0.300	08/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/08/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.7	200	4.11	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	148	74.0	200	3.12	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 68.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.7 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/08/2023	Sampling Date:	08/08/2023
Reported:	08/09/2023	Sampling Type:	Soil
Project Name:	BASEBALL CAP FEDERAL 25P (06.01.23)	Sampling Condition:	Cool & Intact
Project Number:	2046	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: SW - 2 (1.0') (H234199-17)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2023	ND	2.18	109	2.00	0.499	
Toluene*	<0.050	0.050	08/08/2023	ND	2.10	105	2.00	1.58	
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.99	99.5	2.00	1.24	
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.96	99.3	6.00	1.55	
Total BTEX	<0.300	0.300	08/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/08/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.7	200	4.11	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	148	74.0	200	3.12	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 74.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.2 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/08/2023	Sampling Date:	08/08/2023
Reported:	08/09/2023	Sampling Type:	Soil
Project Name:	BASEBALL CAP FEDERAL 25P (06.01.23)	Sampling Condition:	Cool & Intact
Project Number:	2046	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: SW - 3 (1.0') (H234199-18)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2023	ND	2.18	109	2.00	0.499	
Toluene*	<0.050	0.050	08/08/2023	ND	2.10	105	2.00	1.58	
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.99	99.5	2.00	1.24	
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.96	99.3	6.00	1.55	
Total BTEX	<0.300	0.300	08/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/08/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.7	200	4.11	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	148	74.0	200	3.12	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 62.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.2 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/08/2023	Sampling Date:	08/08/2023
Reported:	08/09/2023	Sampling Type:	Soil
Project Name:	BASEBALL CAP FEDERAL 25P (06.01.23)	Sampling Condition:	Cool & Intact
Project Number:	2046	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: SW - 4 (1.0') (H234199-19)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2023	ND	2.18	109	2.00	0.499	
Toluene*	<0.050	0.050	08/08/2023	ND	2.10	105	2.00	1.58	
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.99	99.5	2.00	1.24	
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.96	99.3	6.00	1.55	
Total BTEX	<0.300	0.300	08/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/08/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.7	200	4.11	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	148	74.0	200	3.12	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 77.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.4 % 49.1-148

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/08/2023	Sampling Date:	08/08/2023
Reported:	08/09/2023	Sampling Type:	Soil
Project Name:	BASEBALL CAP FEDERAL 25P (06.01.23)	Sampling Condition:	Cool & Intact
Project Number:	2046	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: SW - 5 (0.5) (H234199-20)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.18	109	2.00	0.499	
Toluene*	<0.050	0.050	08/09/2023	ND	2.10	105	2.00	1.58	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	1.99	99.5	2.00	1.24	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	5.96	99.3	6.00	1.55	
Total BTEX	<0.300	0.300	08/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/08/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	157	78.7	200	4.11	
DRO >C10-C28*	11.8	10.0	08/09/2023	ND	148	74.0	200	3.12	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					

Surrogate: 1-Chlorooctane 60.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 61.7 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/08/2023	Sampling Date:	08/08/2023
Reported:	08/09/2023	Sampling Type:	Soil
Project Name:	BASEBALL CAP FEDERAL 25P (06.01.23)	Sampling Condition:	Cool & Intact
Project Number:	2046	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: SW - 6 (1.5) (H234199-21)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2023	ND	2.05	102	2.00	1.14	
Toluene*	<0.050	0.050	08/08/2023	ND	1.97	98.3	2.00	0.587	
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.97	98.6	2.00	1.32	
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.90	98.3	6.00	0.905	
Total BTEX	<0.300	0.300	08/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/08/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	168	84.2	200	0.120	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	177	88.4	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 75.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.4 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/08/2023	Sampling Date:	08/08/2023
Reported:	08/09/2023	Sampling Type:	Soil
Project Name:	BASEBALL CAP FEDERAL 25P (06.01.23)	Sampling Condition:	Cool & Intact
Project Number:	2046	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: SW - 7 (1.5) (H234199-22)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2023	ND	2.05	102	2.00	1.14	
Toluene*	<0.050	0.050	08/08/2023	ND	1.97	98.3	2.00	0.587	
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.97	98.6	2.00	1.32	
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.90	98.3	6.00	0.905	
Total BTEX	<0.300	0.300	08/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/08/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	168	84.2	200	0.120	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	177	88.4	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 60.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.9 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/08/2023	Sampling Date:	08/08/2023
Reported:	08/09/2023	Sampling Type:	Soil
Project Name:	BASEBALL CAP FEDERAL 25P (06.01.23)	Sampling Condition:	Cool & Intact
Project Number:	2046	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: SW - 8 (1.0) (H234199-23)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2023	ND	2.05	102	2.00	1.14	
Toluene*	<0.050	0.050	08/08/2023	ND	1.97	98.3	2.00	0.587	
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.97	98.6	2.00	1.32	
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.90	98.3	6.00	0.905	
Total BTEX	<0.300	0.300	08/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/08/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	168	84.2	200	0.120	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	177	88.4	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/08/2023	Sampling Date:	08/08/2023
Reported:	08/09/2023	Sampling Type:	Soil
Project Name:	BASEBALL CAP FEDERAL 25P (06.01.23)	Sampling Condition:	Cool & Intact
Project Number:	2046	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: SW - 9 (0.5) (H234199-24)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2023	ND	2.05	102	2.00	1.14	
Toluene*	<0.050	0.050	08/08/2023	ND	1.97	98.3	2.00	0.587	
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.97	98.6	2.00	1.32	
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.90	98.3	6.00	0.905	
Total BTEX	<0.300	0.300	08/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/08/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	168	84.2	200	0.120	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	177	88.4	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.8 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/08/2023	Sampling Date:	08/08/2023
Reported:	08/09/2023	Sampling Type:	Soil
Project Name:	BASEBALL CAP FEDERAL 25P (06.01.23)	Sampling Condition:	Cool & Intact
Project Number:	2046	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: SW - 10 (0.5) (H234199-25)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2023	ND	2.05	102	2.00	1.14	
Toluene*	<0.050	0.050	08/08/2023	ND	1.97	98.3	2.00	0.587	
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.97	98.6	2.00	1.32	
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.90	98.3	6.00	0.905	
Total BTEX	<0.300	0.300	08/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/08/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	168	84.2	200	0.120	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	177	88.4	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 79.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	08/08/2023	Sampling Date:	08/08/2023
Reported:	08/09/2023	Sampling Type:	Soil
Project Name:	BASEBALL CAP FEDERAL 25P (06.01.23)	Sampling Condition:	Cool & Intact
Project Number:	2046	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: SW - 11 (0.5) (H234199-26)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2023	ND	2.05	102	2.00	1.14	
Toluene*	<0.050	0.050	08/08/2023	ND	1.97	98.3	2.00	0.587	
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.97	98.6	2.00	1.32	
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.90	98.3	6.00	0.905	
Total BTEX	<0.300	0.300	08/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/08/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	168	84.2	200	0.120	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	177	88.4	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 84.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Notes and Definitions

- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H234199

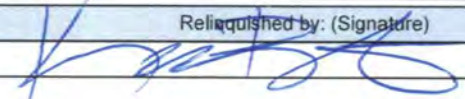
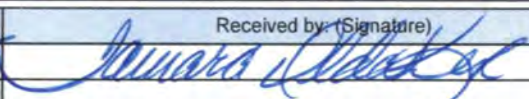
Page 1 of 3

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

Work Order Comments	
Program:	UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> rownfields <input type="checkbox"/> RC <input type="checkbox"/> <input type="checkbox"/> perfund <input type="checkbox"/>
State of Project:	
Reporting:	Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other: _____

Project Name:		Turn Around		ANALYSIS REQUEST															Preservative Codes						
Project Number:		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code																None: NO					
Project Location		Due Date:		Parameters																DI Water: H ₂ O					
Sampler's Name:		24 Hrs																		Cool: Cool					
PO #:																				MeOH: Me					
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice:																HCL: HC				
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																H ₂ S ₄ : H ₂				
Cooler Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:		140																NaOH: Na				
Sample Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:		4.9c																H ₃ PO ₄ : HP				
Total Containers:		Corrected Temperature:																			NaHSO ₄ : NABIS				
																					Na ₂ S ₂ O ₃ : NaSO ₃				
																					Zn Acetate+NaOH: Zn				
																				NaOH+Ascorbic Acid: SAPC					
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500																Sample Comments
CS-1 (1.0')	8/8/2023		X		C	1	X	X	X																
CS-2 (1.0')	8/8/2023		X		C	1	X	X	X																
CS-3 (1.0')	8/8/2023		X		C	1	X	X	X																
CS-4 (1.0')	8/8/2023		X		C	1	X	X	X																
CS-5 (1.0')	8/8/2023		X		C	1	X	X	X																
CS-6 (1.5')	8/8/2023		X		C	1	X	X	X																
CS-7 (1.5')	8/8/2023		X		C	1	X	X	X																
CS-8 (1.5')	8/8/2023		X		C	1	X	X	X																
CS-9 (1.5')	8/8/2023		X		C	1	X	X	X																
CS-10 (1.5')	8/8/2023		X		C	1	X	X	X																

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	8-8-23 0835		

Received by OCD: 8/22/2023 10:25:35 AM

Released to Imaging: 12/5/2023 11:56:30 AM

Chain of Custody

Work Order No: H234199

Page 2 of 3

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

Work Order Comments	
Program:	UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Rowfields <input type="checkbox"/> RC <input type="checkbox"/> <input type="checkbox"/> perfund <input type="checkbox"/>
State of Project:	Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other: _____

Project Name:		Turn Around		ANALYSIS REQUEST												Preservative Codes				
Project Number:	2046	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush	Pres. Code														None: NO	DI Water: H ₂ O	
Project Location	Lea County, New Mexico	Due Date:	24 Hrs	Parameters														Cool: Cool	MeOH: Me	
Sampler's Name:	GPJ																	HCL: HC	HNO ₃ : HN	
PO #:																		H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:																H ₃ PO ₄ : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	140																NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:																Na ₂ S ₂ O ₃ : NaSO ₃		
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	4.9°C															Zn Acetate+NaOH: Zn		
Total Containers:		Corrected Temperature:																NaOH+Ascorbic Acid: SACP		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500										Sample Comments	
CS-11 (1.5')	8/8/2023		X		C	1	X	X	X											
CS-12 (0.5')	8/8/2023		X		C	1	X	X	X											
CS-13 (0.5')	8/8/2023		X		C	1	X	X	X											
CS-14 (0.5')	8/8/2023		X		C	1	X	X	X											
CS-15 (0.5')	8/8/2023		X		C	1	X	X	X											
SW-1 (1.0')	8/8/2023		X		C	1	X	X	X											
SW-2 (1.0')	8/8/2023		X		C	1	X	X	X											
SW-3 (1.0')	8/8/2023		X		C	1	X	X	X											
SW-4 (1.0')	8/8/2023		X		C	1	X	X	X											
SW-5 (0.5')	8/8/2023		X		C	1	X	X	X											

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

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Chain of Custody

Work Order No: H234199

Page 3 of 3

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

Work Order Comments	
Program:	UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Rowfields <input type="checkbox"/> RC <input checked="" type="checkbox"/> <input type="checkbox"/> perfund <input type="checkbox"/>
State of Project:	Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:

Project Name:		Baseball Cap Federal 25P (06.01.23)		Turn Around		ANALYSIS REQUEST												Preservative Codes							
Project Number:		2046		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Parameters												None: NO							
Project Location		Lea County, New Mexico		Due Date:		24 Hrs		Pres. Code BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500												DI Water: H ₂ O					
Sampler's Name:		GPJ		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>														Cool: Cool	
PO #:				Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		140														MeOH: Me	
SAMPLE RECEIPT				Cooler Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor:																HCL: HC	
				Sample Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading:		7.9C														H ₂ SO ₄ : H ₂	
Total Containers:								Corrected Temperature:																NaOH: Na	
																								H ₃ PO ₄ : HP	
																								NaHSO ₄ : NABIS	
																								Na ₂ S ₂ O ₃ : NaSO ₃	
																								Zn Acetate+NaOH: Zn	
																								NaOH+Ascorbic Acid: SAPC	
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments					
31 SW-6 (1.5')	8/8/2023			X		C	1	X	X	X															
32 SW-7 (1.5')	8/8/2023			X		C	1	X	X	X															
33 SW-8 (1.0')	8/8/2023			X		C	1	X	X	X															
34 SW-9 (0.5')	8/8/2023			X		C	1	X	X	X															
35 SW-10 (0.5')	8/8/2023			X		C	1	X	X	X															
36 SW-11 (0.5')	8/8/2023			X		C	1	X	X	X															

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com

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	8-8-23 0835		

Received by OCD: 8/22/2023 10:25:35 AM 31 32 33 34 35 36

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District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
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 811 S. First St., Artesia, NM 88210
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District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 255422

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 255422
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	12/5/2023