CARMONA RESOURCES

SITE INFORMATION

Closure Report
Tiger 11 Federal 001H (07.10.23)
Incident #: NAPP2319848031
Lea County, New Mexico
Unit D Sec 11 T20S R34E
32.5948°, -103.5357°

Crude Oil and Produced Water Release
Point of Release: Overfilled Free Water Knock Out
Release Date: 07.10.23
Volume Released: 1.717 Barrels of Crude Oil and 3.6487 Barrels of Produced Water
Volume Recovered: 1.5 Barrels of Crude Oil and 3.0 Barrels of Produced Water

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

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

CARMONA RESOURCES

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

CARMONA RESOURCES

September 22, 2023

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

Re: Closure Report
Tiger 11 Federal 001H (07.10.23)
Concho Operating, LLC
Site Location: Unit D, S11, T20S, R34E
(Lat 32.5948º, Long -103.5357º)
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 Tiger 11 Federal 001H. The site is located at 32.5948, -103.5357 within Unit D, S11, T20S, 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 July 10, 2023, due to an overfill of a free water knock out from pressure loss. It resulted in approximately one point seven one seven (1.717) barrels of crude oil and three point six four eight seven (3.6487) barrels of produced water, with one point five (1.5) barrels of crude oil and three (3) barrels of produced water recovered. The impacted area occurred on the pad, shown in Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The closest well is approximately 1.26 miles west of the site in S4, T20S, and R34E and was drilled in 2015. The well has a reported depth to groundwater of 112.75 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, thefollowing criteria were utilized in assessing the site.

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

4.0 Site Assessment Activities

Initial Assessment

On July 14, 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 four (4) horizontal sample points (H-1 through H-4) were installed to total depths ranging from surface to 1.5’ bgs within the release extent. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum

310 West Wall Street, Suite 500
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CARMONA RESOURCES

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.

Using a hand auger, a dense layer was encountered on the pad around 1.5' bgs and could not grab deeper samples. 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 NMOCD division office was notified via email on August 8, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of eleven (11) confirmation floor samples were collected (CS-1 through CS-11), 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 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 215 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 get in touch with us at 432-813-1992.

Sincerely,
Carmona Resources, LLC

Mike Carmona
Environmental Manager

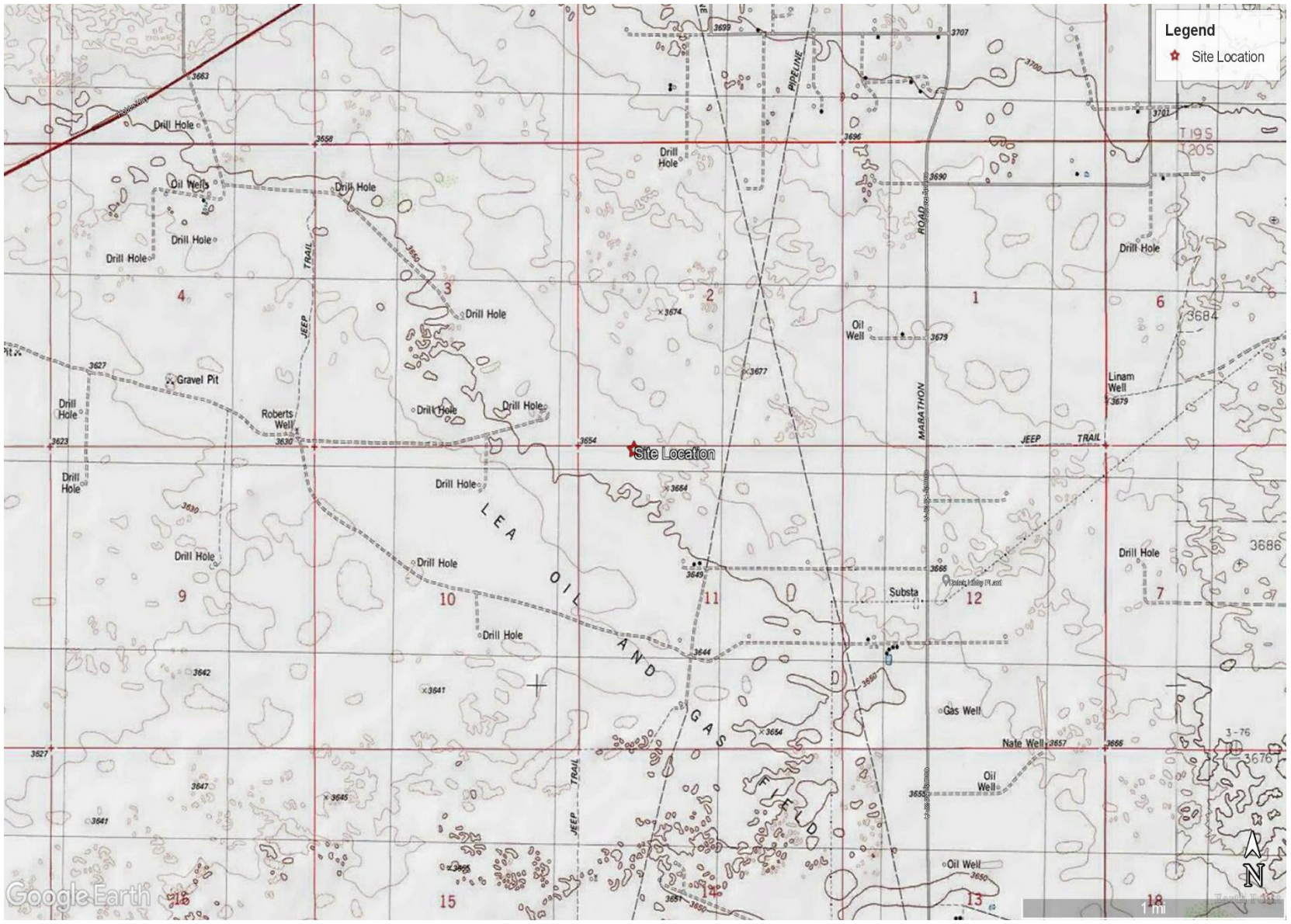
Conner Moehring
Sr. Project Manager

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

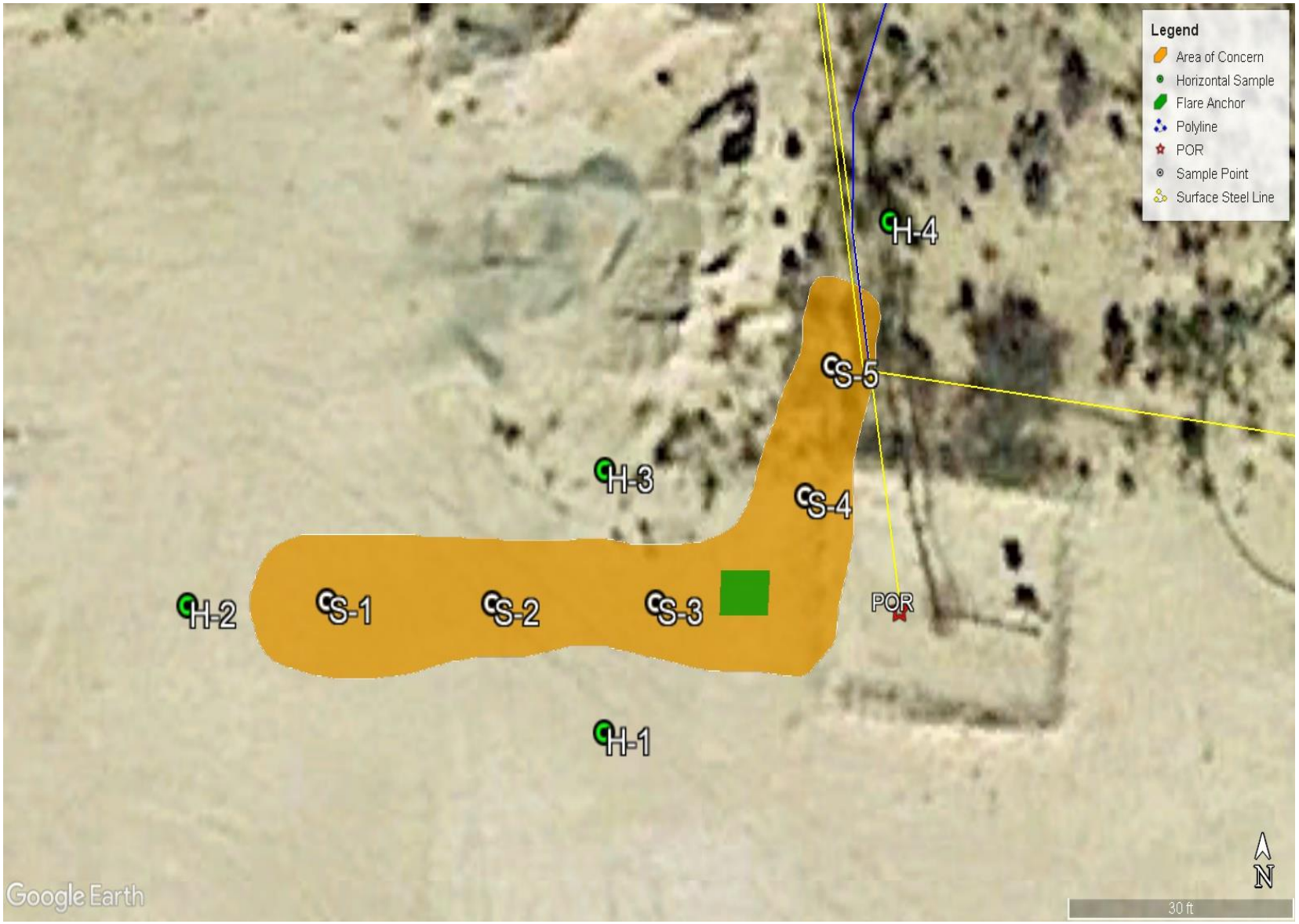
FIGURES

CARMONA RESOURCES

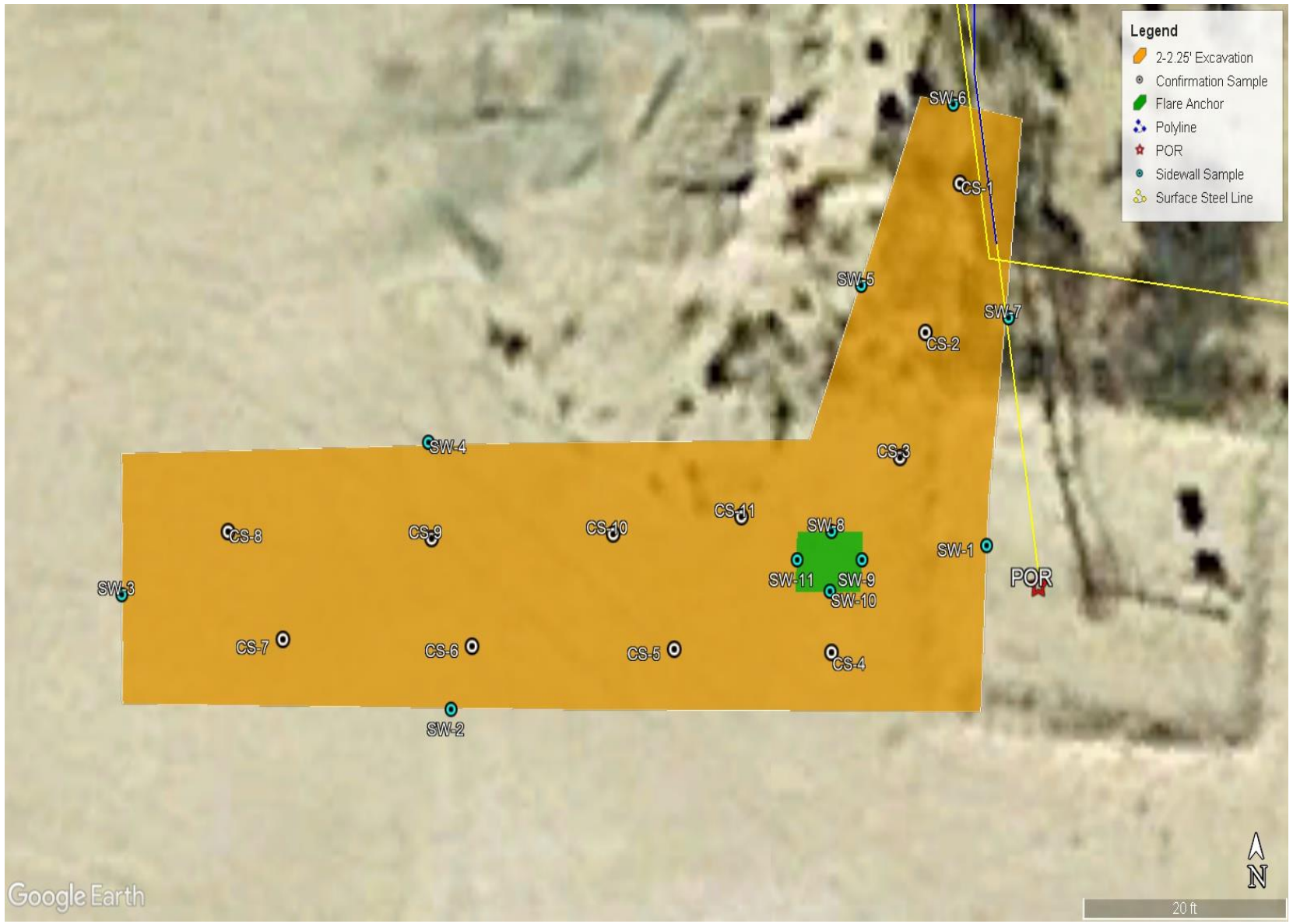
OVERVIEW MAP COG OPERATING, LLC TIGER 11 FEDERAL 001H (07.10.23) LEA COUNTY, NEW MEXICO 32.5948°, -103.5357°	CARMONA RESOURCES	FIGURE 1



TOPOGRAPHIC MAP COG OPERATING, LLC TIGER 11 FEDERAL 001H (07.10.23) LEA COUNTY, NEW MEXICO 32.5948°, -103.5357°	CARMONA RESOURCES	FIGURE 2



SAMPLE LOCATION MAP COG OPERATING, LLC TIGER 11 FEDERAL 001H (07.10.23) LEA COUNTY, NEW MEXICO 32.5948°, -103.5357°	CARMONA RESOURCES	FIGURE 3



EXCAVATION MAP COG OPERATING, LLC TIGER 11 FEDERAL 001H (07.10.23) LEA COUNTY, NEW MEXICO 32.5948°, -103.5357°	CARMONA RESOURCES	FIGURE 4

APPENDIX A

CARMONA RESOURCES

Table 1
Conoco Phillips
Tiger 11 Fed 7H (07.10.23)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	7/14/2023	0-1	<50.4	**465**	<50.4	**465**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**1,760**
	7/14/2023	1.5	<50.1	52.6	<50.1	52.6	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	**685**
S-2	7/14/2023	0-1	<50.0	**552**	<50.0	**552**	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	**1,840**
	7/14/2023	1.5	<50.4	57.5	<50.4	57.5	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**625**
S-3	7/14/2023	0-1	<503	**13,300**	**878**	**14,200**	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	**6,020**
S-4	7/14/2023	0-1	**1,340**	**36,200**	**2,180**	**39,700**	2.87	18.5	9.67	25.2	**56.2**	**7,150**
	7/14/2023	1.5	<502	**5,800**	<502	**5,800**	0.323	7.26	4.89	19.2	31.7	**3,260**
S-5	7/14/2023	0-1	**1,290**	**5,730**	<497	**7,020**	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	**1,320**
	7/14/2023	1.5	<248	**894**	<248	**894**	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	196
H-1	7/14/2023	0-1	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	61.9
H-2	7/14/2023	0-1	<49.5	<49.5	<49.5	<49.5	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	60.3
H-3	7/14/2023	0-1	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	53.5
H-4	7/14/2023	0-1	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	53.5
Regulatory Criteria [A]						**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**

(-) Not Analyzed

[A] – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(H) Horizontal Sample

(S) Sample Point

Removed

Table 2
Conoco Phillips
Tiger 11 Fed 7H (07.10.23)
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	8/10/2023	2.0	26.3	**1,610**	**404**	**2,040.3**	<0.050	<0.050	<0.050	<0.150	<0.300	144
	8/14/2023	2.25	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	60.0
CS-2	8/10/2023	2.0	<10.0	19.1	11.3	30.4	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-3	8/10/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-4	8/10/2023	2.0	<10.0	70.9	11.5	82.4	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-5	8/10/2023	2.0	<10.0	122	31.0	**153**	<0.050	<0.050	<0.050	<0.150	<0.300	288
	8/14/2023	2.25	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	48.9
CS-6	8/10/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-7	8/10/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-8	8/10/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-9	8/10/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-10	8/10/2023	2.0	<10.0	11.0	<10.0	11.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-11	8/10/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-1	8/10/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-2	8/10/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-3	8/10/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
SW-4	8/10/2023	2.0	<10.0	59.2	13.2	72.4	<0.050	<0.050	<0.050	<0.150	<0.300	176
SW-5	8/10/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-6	8/10/2023	2.0	<10.0	85.6	31.4	**117**	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
	8/14/2023	2.0	<50.3	<50.3	<50.3	<50.3	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	57.4
SW-7	8/10/2023	2.0	<10.0	19.3	<10.0	19.3	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-8	8/10/2023	2.0	<10.0	37.3	<10.0	37.3	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-9	8/10/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32
SW-10	8/10/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-11	8/10/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
Regulatory Criteria [A]						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

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

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 1

Facility: Tiger 11 Federal 001H (07.10.23)

County: Lea County, New Mexico

Description:
View North, area of CS-1 through CS-3.

Photograph No. 2

Facility: Tiger 11 Federal 001H (07.10.23)

County: Lea County, New Mexico

Description:
View Northwest, area of CS-4, CS-5, CS-10 and CS-11.

Photograph No. 3

Facility: Tiger 11 Federal 001H (07.10.23)

County: Lea County, New Mexico

Description:
View East, area of CS-6 through CS-9.

PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 4

Facility: Tiger 11 Federal 001H (07.10.23)

County: Lea County, New Mexico

Description:
View North, backfilled area of CS-1 through CS-3.

Photograph No. 5

Facility: Tiger 11 Federal 001H (07.10.23)

County: Lea County, New Mexico

Description:
View West, backfilled area of CS-4, CS-5, CS-10 and CS-11.

Photograph No. 6

Facility: Tiger 11 Federal 001H (07.10.23)

County: Lea County, New Mexico

Description:
View Northwest, backfilled area of CS-6 through CS-9.

APPENDIX C

CARMONA RESOURCES

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

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

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

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

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

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

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

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

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

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

Printed Name _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells Date: 7/17/2023

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Jacob Laird Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells Date: 10/3/2023

State of New Mexico
Oil Conservation Division

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: 10/3/2023

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: Scott Rodgers Date: 02/13/20204

Printed Name: Scott Rodgers Title: Environmental Specialist Adv.

Spill Calculation - On-Pad Surface Pool Spill

Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Average Depth (in.)	Estimated *Pool* Area (sq. ft.)	Estimated volume of each pool area (bbl.)	Penetration allowance (ft.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture (%.)	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
Rectangle A	22	18	0.3	396.00	1.47	0.00	1.47	32%	0.47	1.00
Rectangle B	30	37	0.2	1110.00	3.29	0.00	3.30		1.05	2.24
Rectangle C				0.00	0.00	0.00	0.00		0.00	0.00
Rectangle D				0.00	0.00	0.00	0.00		0.00	0.00
Rectangle E				0.00	0.00	0.00	0.00		0.00	0.00
Rectangle F				0.00	0.00	0.00	0.00		0.00	0.00
Rectangle G				0.00	0.00	0.00	0.00		0.00	0.00
Rectangle H				0.00	0.00	0.00	0.00		0.00	0.00
Rectangle I				0.00	0.00	0.00	0.00		0.00	0.00
Rectangle J				0.00	0.00	0.00	0.00		0.00	0.00
Total Surface Pool Volume Released, Release to Soil/Caliche:							4.7658		1.5250	3.2407

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 241023

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 241023
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	7/17/2023

From: Wells, Shelly, EMNRD
Sent: Tuesday, August 8, 2023 2:07 PM
To: Mike Carmona
Cc: Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD
Subject: RE: [EXTERNAL] COG Tiger 11 Fed 1H (07.10.23) Sampling Notification

Hi Mike,

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

Thank you,

Shelly

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

From: Mike Carmona <Mcarmona@carmonaresources.com>
Sent: Tuesday, August 8, 2023 10:58 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Conner Moehring <Cmoehring@carmonaresources.com>; Laird, Jacob <Jacob.Laird@conocophillips.com>; Devin Dominguez <Ddominguez@carmonaresources.com>
Subject: [EXTERNAL] COG Tiger 11 Fed 1H (07.10.23) Sampling Notification

All,

This email serves as a notification for confirmation sampling on the COG Tiger 11 Fed 1H (07.10.23). Sampling is scheduled to begin on Friday, August 11th, around 8:00 a.m. Mountain Time. Carmona Resources personnel will be on-site to collect the confirmation samples.

COG - TIGER 11 FEDERAL #001H (07.10.2023)
Sec 11 T20S R34E Unit D
32.594895, -103.536114
Lea County, New Mexico

Mike J. Carmona
310 West Wall Street, Suite 500

Midland TX, 79701
M: 432-813-1992
Mcarmona@carmonaresources.com

CARMONA RESOURCES

APPENDIX D

CARMONA RESOURCES

Nearest Water Well

COG Operating

28' - Drilled 1985

64' - Drilled 1959

112.75' - Drilled 2015

TIGER 11 FEDERAL #001H (07.10.2023)

58.14' - Drilled 1976

145.20' - Drilled 1996

Legend

- 0.50 Mile Radius
- 1.26 Miles
- 1.49 Miles
- 1.94 Miles
- 2.08 Miles
- 2.49 Miles
- NMSEO Water Well
- TIGER 11 FEDERAL #001H (07.10.2023)
- USGS Water Well

N

1 mi

Google Earth


Low Karst
COG Operating
Legend
Low
TIGER 11 FEDERAL #001H (07.10.2023)
TIGER 11 FEDERAL #001H (07.10.2023)
N
1 mi

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00656 POD1	CP	LE	4	4	4	04	20S	34E	635342	3607391*	2037	225		
CP 00655 POD1	CP	LE		3	1	14	20S	34E	637294	3605108*	2217	210		
CP 01672 POD1	CP	LE	1	3	1	36	19S	34E	638736	3610009	3009	100		
CP 00654 POD1	CP	LE		4	4	12	20S	34E	640103	3605947*	3053	60		
L 04157	L	LE		3	3	06	20S	35E	640483	3607561*	3114	70	64	6
CP 00800 POD1	CP	LE	2	2	2	22	20S	34E	637007	3603994*	3350	220		
CP 00683 POD1	CP	LE	3	3	4	25	19S	34E	639530	3610685*	3990	120	28	92

Average Depth to Water: **46 feet**

Minimum Depth: **28 feet**

Maximum Depth: **64 feet**

Record Count: 7

UTMNAD83 Radius Search (in meters):

Easting (X): 637378 **Northing (Y):** 3607324 **Radius:** 4000

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

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- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 323529103332501

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

USGS 323529103332501 20S.34E.04.44434

Lea County, New Mexico
Latitude 32°35'44.90", Longitude 103°33'27.80" NAD83
Land-surface elevation 3,632 feet above NAVD88
The depth of the well is 200 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 measur
1965-11-17		D	62610		3443.90	NGVD29	P	Z		
1965-11-17		D	62611		3445.46	NAVD88	P	Z		
1965-11-17		D	72019	186.54			P	Z		
1968-03-19		D	62610		3484.54	NGVD29	1	Z		
1968-03-19		D	62611		3486.10	NAVD88	1	Z		
1968-03-19		D	72019	145.90			1	Z		
1971-02-03		D	62610		3458.25	NGVD29	P	Z		
1971-02-03		D	62611		3459.81	NAVD88	P	Z		
1971-02-03		D	72019	172.19			P	Z		
1972-10-02		D	62610		3456.35	NGVD29	P	Z		
1972-10-02		D	62611		3457.91	NAVD88	P	Z		
1972-10-02		D	72019	174.09			P	Z		
1976-01-28		D	62610		3500.54	NGVD29	1	Z		
1976-01-28		D	62611		3502.10	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
1976-01-28		D	72019	129.90			1	Z		
1981-02-18		D	62610		3503.57	NGVD29	1	Z		
1981-02-18		D	62611		3505.13	NAVD88	1	Z		
1981-02-18		D	72019	126.87			1	Z		
1986-04-01		D	62610		3504.62	NGVD29	1	Z		
1986-04-01		D	62611		3506.18	NAVD88	1	Z		
1986-04-01		D	72019	125.82			1	Z		
1996-01-26		D	62610		3505.67	NGVD29	1	S		
1996-01-26		D	62611		3507.23	NAVD88	1	S		
1996-01-26		D	72019	124.77			1	S		
2015-12-17	15:45 UTC	m	62610		3517.69	NGVD29	1	S	USGS	
2015-12-17	15:45 UTC	m	62611		3519.25	NAVD88	1	S	USGS	
2015-12-17	15:45 UTC	m	72019	112.75			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
Status	P	Pumping
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.

Questions or Comments
Automated retrievals
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Data Tips
Explanation of terms
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Accessibility FOIA Privacy Policies and Notices
U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2023-07-14 15:41:16 EDT
0.28 0.25 nadww01

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

Groundwater | New Mexico | GO

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- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 323409103321301

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

USGS 323409103321301 20S.34E.14.13343

Lea County, New Mexico
Latitude 32°34'24", Longitude 103°32'18" NAD27
Land-surface elevation 3,648.00 feet above NGVD29
The depth of the well is 230 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 measur
1968-03-21		D	62610		3495.16	NGVD29	1	Z		
1968-03-21		D	62611		3496.72	NAVD88	1	Z		
1968-03-21		D	72019	152.84			1	Z		
1971-02-03		D	62610		3496.00	NGVD29	1	Z		
1971-02-03		D	62611		3497.56	NAVD88	1	Z		
1971-02-03		D	72019	152.00			1	Z		
1972-10-02		D	62610		3457.78	NGVD29	P	Z		
1972-10-02		D	62611		3459.34	NAVD88	P	Z		
1972-10-02		D	72019	190.22			P	Z		
1976-02-20		D	62610		3492.97	NGVD29	1	Z		
1976-02-20		D	62611		3494.53	NAVD88	1	Z		
1976-02-20		D	72019	155.03			1	Z		
1981-02-26		D	62610		3492.64	NGVD29	P	Z		
1981-02-26		D	62611		3494.20	NAVD88	P	Z		

Date	Time	? Water-level date-time accuracy	? Parameter code		Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? S
1981-02-26	D	72019	155.36			P	Z	
1986-04-01	D	62610		3495.99	NGVD29	1	Z	
1986-04-01	D	62611		3497.55	NAVD88	1	Z	
1986-04-01	D	72019	152.01			1	Z	
1996-02-02	D	62610		3502.80	NGVD29	1	S	
1996-02-02	D	62611		3504.36	NAVD88	1	S	
1996-02-02	D	72019	145.20			1	S	

Explanation

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

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	L 04157		3	3	06	20S	35E	640483	3607561*

Driller License:	208	**Driller Company:**	VAN NOY, W.L.		
Driller Name:					
Drill Start Date:	12/12/1959	**Drill Finish Date:**	12/13/1959	**Plug Date:**	
Log File Date:	12/18/1959	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	5.00	**Depth Well:**	70 feet	**Depth Water:**	64 feet

Water Bearing Stratifications:	Top	Bottom	Description
	65	68	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	50	70

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

National Water Information System: Web Interface

USGS Water Resources

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

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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 =
- 323436103302801

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

USGS 323436103302801 20S.34E.12.44333

Lea County, New Mexico
Latitude 32°34'36", Longitude 103°30'28" NAD27
Land-surface elevation 3,660 feet above NAVD88
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
1961-03-08		D	62610		3607.25	NGVD29	1	Z		
1961-03-08		D	62611		3608.80	NAVD88	1	Z		
1961-03-08		D	72019	51.20			1	Z		
1968-06-27		D	62610		3600.58	NGVD29	P	Z		
1968-06-27		D	62611		3602.13	NAVD88	P	Z		
1968-06-27		D	72019	57.87			P	Z		
1971-02-03		D	62610		3598.44	NGVD29	P	Z		
1971-02-03		D	62611		3599.99	NAVD88	P	Z		
1971-02-03		D	72019	60.01			P	Z		
1976-06-11		D	62610		3600.31	NGVD29	P	Z		
1976-06-11		D	62611		3601.86	NAVD88	P	Z		
1976-06-11		D	72019	58.14			P	Z		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
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: 2023-07-14 15:44:31 EDT
0.27 0.24 nadww01

New Mexico Office of the State Engineer

Point of Diversion Summary

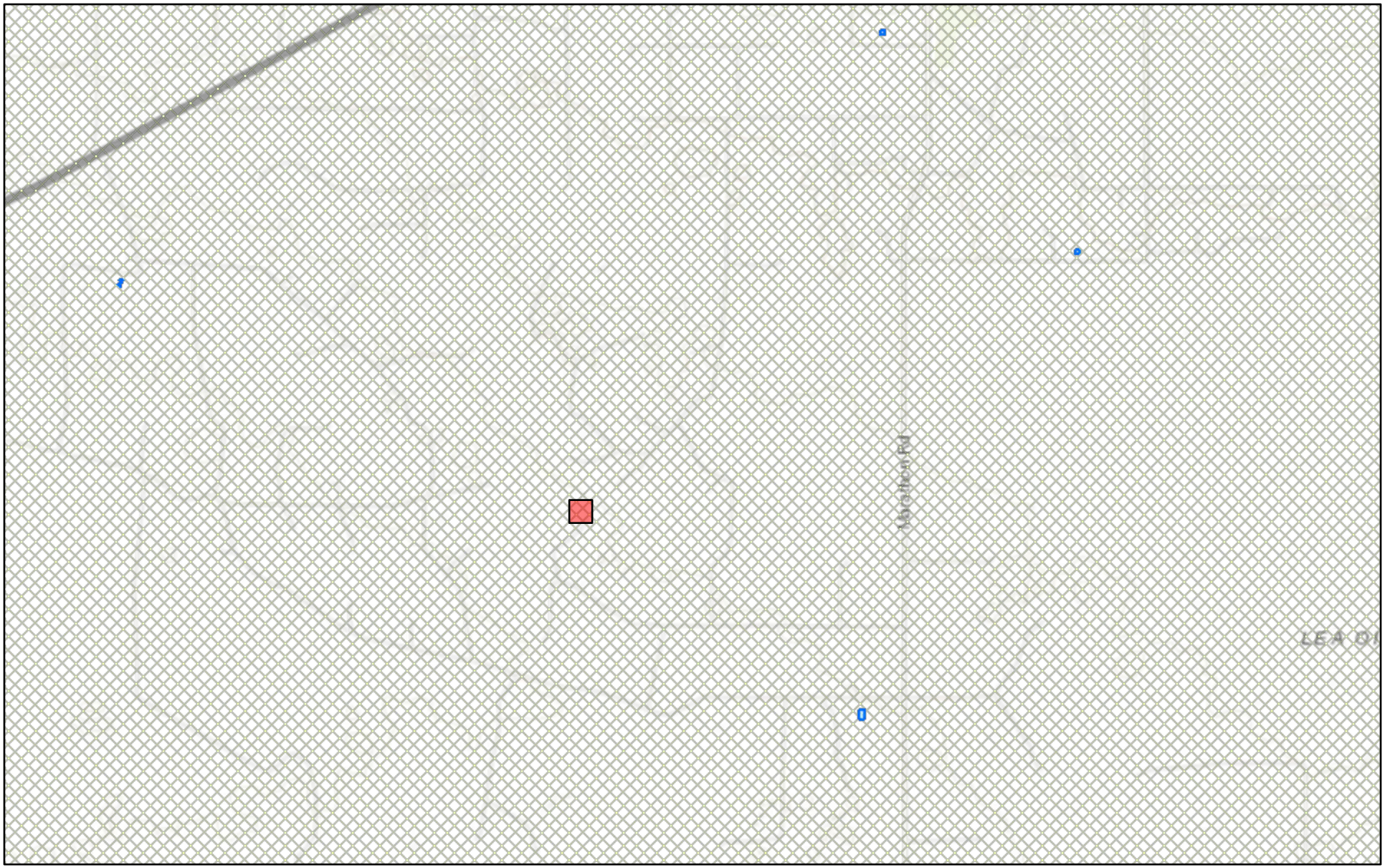
(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 00683 POD1	3	3	4	25	19S	34E	639530	3610685*

Driller License:	46	**Driller Company:**	ABBOTT BROTHERS COMPANY		
Driller Name:	MURRELL ABBOTT				
Drill Start Date:	07/18/1985	**Drill Finish Date:**	07/20/1985	**Plug Date:**	
Log File Date:	08/16/1985	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	1 GPM
Casing Size:	4.00	**Depth Well:**	120 feet	**Depth Water:**	28 feet

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

New Mexico NFHL Data



July 14, 2023

1:36,112

0 0.25 0.5 1 mi

0 0.4 0.8 1.6 km

FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

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APPENDIX E

CARMONA RESOURCES

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/24/2023 2:59:19 PM

JOB DESCRIPTION

Tiger 11 Fed 7H (07.10.23)
SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-30792-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated
7/24/2023 2:59:19 PM

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

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Laboratory Job ID: 880-30792-1
SDG: Lea County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30792-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30792-1
SDG: Lea County, New Mexico

Job ID: 880-30792-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-30792-1

Receipt
The samples were received on 7/17/2023 2:00 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 -10.3°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-1') (880-30792-1), S-1 (1.5') (880-30792-2), S-2 (0-1') (880-30792-3), S-2 (1.5') (880-30792-4), S-3 (0-1') (880-30792-5), S-4 (0-1') (880-30792-6), S-4 (1.5') (880-30792-7), S-5 (0-1') (880-30792-8) and S-5 (1.5') (880-30792-9).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: S-4 (0-1') (880-30792-6) and S-4 (1.5') (880-30792-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-58039 and analytical batch 880-58087 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-1 (0-1') (880-30792-1), S-3 (0-1') (880-30792-5), S-4 (0-1') (880-30792-6), (890-4944-A-1-F MS) and (890-4944-A-1-G 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: (CCV 880-57890/20). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-57876 and analytical batch 880-57890 was outside control limits. Sample non-homogeneity is suspected.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-57942 and analytical batch 880-58261 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (880-30793-A-2-D). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-5 (0-1') (880-30792-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30792-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-30792-1
Matrix: Solid
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 14:00

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		07/18/23 11:31	07/20/23 00:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/18/23 11:31	07/20/23 00:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/18/23 11:31	07/20/23 00:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/18/23 11:31	07/20/23 00:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/18/23 11:31	07/20/23 00:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/18/23 11:31	07/20/23 00:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*07/18/23 11:31*	*07/20/23 00:02*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*07/18/23 11:31*	*07/20/23 00:02*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/20/23 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**465**		50.4		mg/Kg			07/19/23 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		07/17/23 15:02	07/19/23 07:41	1
Diesel Range Organics (Over C10-C28)	**465**		50.4		mg/Kg		07/17/23 15:02	07/19/23 07:41	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		07/17/23 15:02	07/19/23 07:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*1*	*S1-*	*70 - 130*	*07/17/23 15:02*	*07/19/23 07:41*	*1*
o-Terphenyl	*5*	*S1-*	*70 - 130*	*07/17/23 15:02*	*07/19/23 07:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1760**		25.0		mg/Kg			07/18/23 09:26	5

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-30792-2
Matrix: Solid
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 14:00

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		07/18/23 11:31	07/20/23 00:22	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/18/23 11:31	07/20/23 00:22	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/18/23 11:31	07/20/23 00:22	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/18/23 11:31	07/20/23 00:22	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/18/23 11:31	07/20/23 00:22	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/18/23 11:31	07/20/23 00:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*07/18/23 11:31*	*07/20/23 00:22*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*07/18/23 11:31*	*07/20/23 00:22*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30792-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (1.5')

Date Collected: 07/14/23 00:00
Date Received: 07/17/23 14:00

Lab Sample ID: 880-30792-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/20/23 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**52.6**		50.1		mg/Kg			07/19/23 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		07/17/23 15:02	07/19/23 08:04	1
Diesel Range Organics (Over C10-C28)	**52.6**		50.1		mg/Kg		07/17/23 15:02	07/19/23 08:04	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		07/17/23 15:02	07/19/23 08:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*07/17/23 15:02*	*07/19/23 08:04*	*1*
o-Terphenyl	*119*		*70 - 130*	*07/17/23 15:02*	*07/19/23 08:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**685**		4.99		mg/Kg			07/18/23 09:41	1

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

Date Collected: 07/14/23 00:00
Date Received: 07/17/23 14:00

Lab Sample ID: 880-30792-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/18/23 11:31	07/20/23 00:43	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/18/23 11:31	07/20/23 00:43	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/18/23 11:31	07/20/23 00:43	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/18/23 11:31	07/20/23 00:43	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/18/23 11:31	07/20/23 00:43	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/18/23 11:31	07/20/23 00:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*07/18/23 11:31*	*07/20/23 00:43*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*07/18/23 11:31*	*07/20/23 00:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/20/23 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**552**		50.0		mg/Kg			07/19/23 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/17/23 15:02	07/19/23 08:28	1
Diesel Range Organics (Over C10-C28)	**552**		50.0		mg/Kg		07/17/23 15:02	07/19/23 08:28	1

Client Sample Results

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30792-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-30792-3
Matrix: Solid
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/17/23 15:02	07/19/23 08:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*07/17/23 15:02*	*07/19/23 08:28*	*1*
o-Terphenyl	*104*		*70 - 130*	*07/17/23 15:02*	*07/19/23 08:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1840**		25.1		mg/Kg			07/18/23 09:46	5

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-30792-4
Matrix: Solid
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 14:00

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		07/18/23 11:31	07/20/23 01:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/18/23 11:31	07/20/23 01:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/18/23 11:31	07/20/23 01:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/18/23 11:31	07/20/23 01:04	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/18/23 11:31	07/20/23 01:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/18/23 11:31	07/20/23 01:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*07/18/23 11:31*	*07/20/23 01:04*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*07/18/23 11:31*	*07/20/23 01:04*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/20/23 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**57.5**		50.4		mg/Kg			07/19/23 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		07/17/23 15:02	07/19/23 08:50	1
Diesel Range Organics (Over C10-C28)	**57.5**		50.4		mg/Kg		07/17/23 15:02	07/19/23 08:50	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		07/17/23 15:02	07/19/23 08:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*07/17/23 15:02*	*07/19/23 08:50*	*1*
o-Terphenyl	*102*		*70 - 130*	*07/17/23 15:02*	*07/19/23 08:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**625**		4.98		mg/Kg			07/18/23 09:51	1

Client Sample Results

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30792-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-30792-5
Matrix: Solid
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 14:00

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		07/18/23 11:31	07/20/23 01:24	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/18/23 11:31	07/20/23 01:24	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/18/23 11:31	07/20/23 01:24	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/18/23 11:31	07/20/23 01:24	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/18/23 11:31	07/20/23 01:24	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/18/23 11:31	07/20/23 01:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*07/18/23 11:31*	*07/20/23 01:24*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*07/18/23 11:31*	*07/20/23 01:24*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			07/20/23 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**14200**		503		mg/Kg			07/19/23 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<503	U	503		mg/Kg		07/17/23 15:02	07/19/23 09:12	10
Diesel Range Organics (Over C10-C28)	**13300**		503		mg/Kg		07/17/23 15:02	07/19/23 09:12	10
Oil Range Organics (Over C28-C36)	**878**		503		mg/Kg		07/17/23 15:02	07/19/23 09:12	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*127*		*70 - 130*	*07/17/23 15:02*	*07/19/23 09:12*	*10*
o-Terphenyl	*231*	*S1+*	*70 - 130*	*07/17/23 15:02*	*07/19/23 09:12*	*10*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6020**		50.3		mg/Kg			07/18/23 09:56	10

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

Lab Sample ID: 880-30792-6
Matrix: Solid
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2.87**		0.0499		mg/Kg		07/18/23 11:31	07/20/23 01:45	25
Toluene	**18.5**		0.505		mg/Kg		07/20/23 10:20	07/20/23 21:22	250
Ethylbenzene	**9.67**		0.0499		mg/Kg		07/18/23 11:31	07/20/23 01:45	25
m-Xylene & p-Xylene	**17.9**		0.0998		mg/Kg		07/18/23 11:31	07/20/23 01:45	25
o-Xylene	**7.25**		0.0499		mg/Kg		07/18/23 11:31	07/20/23 01:45	25
Xylenes, Total	**25.2**		0.0998		mg/Kg		07/18/23 11:31	07/20/23 01:45	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*299*	*S1+*	*70 - 130*	*07/18/23 11:31*	*07/20/23 01:45*	*25*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*07/18/23 11:31*	*07/20/23 01:45*	*25*

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30792-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-30792-6
Matrix: Solid
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 14:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	56.2		0.0998		mg/Kg			07/20/23 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	39700		496		mg/Kg			07/19/23 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1340		496		mg/Kg		07/17/23 15:02	07/19/23 09:35	10
Diesel Range Organics (Over C10-C28)	36200		496		mg/Kg		07/17/23 15:02	07/19/23 09:35	10
Oil Range Organics (Over C28-C36)	2180		496		mg/Kg		07/17/23 15:02	07/19/23 09:35	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*07/17/23 15:02*	*07/19/23 09:35*	*10*
o-Terphenyl	*577*	*S1+*	*70 - 130*	*07/17/23 15:02*	*07/19/23 09:35*	*10*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7150		50.4		mg/Kg			07/18/23 10:01	10

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-30792-7
Matrix: Solid
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.323		0.0497		mg/Kg		07/18/23 11:31	07/20/23 06:14	25
Toluene	7.26		0.0497		mg/Kg		07/18/23 11:31	07/20/23 06:14	25
Ethylbenzene	4.89		0.0497		mg/Kg		07/18/23 11:31	07/20/23 06:14	25
m-Xylene & p-Xylene	13.7		0.0994		mg/Kg		07/18/23 11:31	07/20/23 06:14	25
o-Xylene	5.48		0.0497		mg/Kg		07/18/23 11:31	07/20/23 06:14	25
Xylenes, Total	19.2		0.0994		mg/Kg		07/18/23 11:31	07/20/23 06:14	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*294*	*S1+*	*70 - 130*	*07/18/23 11:31*	*07/20/23 06:14*	*25*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*07/18/23 11:31*	*07/20/23 06:14*	*25*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	31.7		0.0994		mg/Kg			07/20/23 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	5800		502		mg/Kg			07/24/23 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<502	U	502		mg/Kg		07/18/23 11:39	07/22/23 20:18	10

Client Sample Results

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30792-1
SDG: Lea County, New Mexico

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-30792-7
Matrix: Solid
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	**5800**		502		mg/Kg		07/18/23 11:39	07/22/23 20:18	10
OII Range Organics (Over C28-C36)	<502	U	502		mg/Kg		07/18/23 11:39	07/22/23 20:18	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*07/18/23 11:39*	*07/22/23 20:18*	*10*
o-Terphenyl	*125*		*70 - 130*	*07/18/23 11:39*	*07/22/23 20:18*	*10*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3260**		25.1		mg/Kg			07/18/23 10:06	5

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

Lab Sample ID: 880-30792-8
Matrix: Solid
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 14:00

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		07/18/23 11:31	07/20/23 03:08	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/18/23 11:31	07/20/23 03:08	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/18/23 11:31	07/20/23 03:08	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/18/23 11:31	07/20/23 03:08	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/18/23 11:31	07/20/23 03:08	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/18/23 11:31	07/20/23 03:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*07/18/23 11:31*	*07/20/23 03:08*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*07/18/23 11:31*	*07/20/23 03:08*	*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			07/20/23 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**7020**		497		mg/Kg			07/24/23 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**1290**		497		mg/Kg		07/18/23 11:39	07/22/23 19:56	10
Diesel Range Organics (Over C10-C28)	**5730**		497		mg/Kg		07/18/23 11:39	07/22/23 19:56	10
OII Range Organics (Over C28-C36)	<497	U	497		mg/Kg		07/18/23 11:39	07/22/23 19:56	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*150*	*S1+*	*70 - 130*	*07/18/23 11:39*	*07/22/23 19:56*	*10*
o-Terphenyl	*171*	*S1+*	*70 - 130*	*07/18/23 11:39*	*07/22/23 19:56*	*10*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1320**		5.00		mg/Kg			07/18/23 10:20	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30792-1
SDG: Lea County, New Mexico

Client Sample ID: S-5 (1.5')

Date Collected: 07/14/23 00:00
Date Received: 07/17/23 14:00

Lab Sample ID: 880-30792-9

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/18/23 11:31	07/20/23 03:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/18/23 11:31	07/20/23 03:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/18/23 11:31	07/20/23 03:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/18/23 11:31	07/20/23 03:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/18/23 11:31	07/20/23 03:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/18/23 11:31	07/20/23 03:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*07/18/23 11:31*	*07/20/23 03:29*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*07/18/23 11:31*	*07/20/23 03:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			07/20/23 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**894**		248		mg/Kg			07/24/23 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<248	U	248		mg/Kg		07/18/23 11:39	07/22/23 20:41	5
Diesel Range Organics (Over C10-C28)	**894**		248		mg/Kg		07/18/23 11:39	07/22/23 20:41	5
OII Range Organics (Over C28-C36)	<248	U	248		mg/Kg		07/18/23 11:39	07/22/23 20:41	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*07/18/23 11:39*	*07/22/23 20:41*	*5*
o-Terphenyl	*105*		*70 - 130*	*07/18/23 11:39*	*07/22/23 20:41*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**196**		4.97		mg/Kg			07/18/23 10:25	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30792-1
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)
880-30791-A-1-E MS	Matrix Spike	103	100
880-30791-A-1-F MSD	Matrix Spike Duplicate	105	102
880-30792-1	S-1 (0-1')	111	113
880-30792-2	S-1 (1.5')	92	107
880-30792-3	S-2 (0-1')	109	113
880-30792-4	S-2 (1.5')	106	111
880-30792-5	S-3 (0-1')	103	106
880-30792-6	S-4 (0-1')	299 S1+	73
880-30792-7	S-4 (1.5')	294 S1+	96
880-30792-8	S-5 (0-1')	99	98
880-30792-9	S-5 (1.5')	98	109
890-4960-A-1-A MS	Matrix Spike	93	96
890-4960-A-1-B MSD	Matrix Spike Duplicate	97	101
LCS 880-57941/1-A	Lab Control Sample	102	105
LCS 880-58039/1-A	Lab Control Sample	88	99
LCSD 880-57941/2-A	Lab Control Sample Dup	105	100
LCSD 880-58039/2-A	Lab Control Sample Dup	94	107
MB 880-57941/5-A	Method Blank	78	95
MB 880-57993/5-A	Method Blank	84	96
MB 880-58039/5-A	Method Blank	95	109

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)
880-30792-1	S-1 (0-1')	1 S1-	5 S1-
880-30792-2	S-1 (1.5')	117	119
880-30792-3	S-2 (0-1')	105	104
880-30792-4	S-2 (1.5')	99	102
880-30792-5	S-3 (0-1')	127	231 S1+
880-30792-6	S-4 (0-1')	123	577 S1+
880-30792-7	S-4 (1.5')	110	125
880-30792-8	S-5 (0-1')	150 S1+	171 S1+
880-30792-9	S-5 (1.5')	98	105
880-30793-A-2-E MS	Matrix Spike	103	113
880-30793-A-2-F MSD	Matrix Spike Duplicate	107	115
890-4944-A-1-F MS	Matrix Spike	195 S1+	191 S1+
890-4944-A-1-G MSD	Matrix Spike Duplicate	241 S1+	244 S1+
LCS 880-57876/2-A	Lab Control Sample	112	122
LCS 880-57942/2-A	Lab Control Sample	85	106
LCSD 880-57876/3-A	Lab Control Sample Dup	110	123
LCSD 880-57942/3-A	Lab Control Sample Dup	92	114
MB 880-57876/1-A	Method Blank	122	130
MB 880-57942/1-A	Method Blank	170 S1+	197 S1+

Surrogate Summary

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30792-1
SDG: Lea County, New Mexico

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30792-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-57941/5-A
Matrix: Solid
Analysis Batch: 57992

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 57941

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/18/23 11:31	07/19/23 22:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/18/23 11:31	07/19/23 22:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/18/23 11:31	07/19/23 22:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/18/23 11:31	07/19/23 22:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/18/23 11:31	07/19/23 22:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/18/23 11:31	07/19/23 22:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*07/18/23 11:31*	*07/19/23 22:17*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*07/18/23 11:31*	*07/19/23 22:17*	*1*

Lab Sample ID: LCS 880-57941/1-A
Matrix: Solid
Analysis Batch: 57992

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 57941

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1012		mg/Kg		101	70 - 130		
Toluene			0.100	0.1028		mg/Kg		103	70 - 130		
Ethylbenzene			0.100	0.09282		mg/Kg		93	70 - 130		
m-Xylene & p-Xylene			0.200	0.1982		mg/Kg		99	70 - 130		
o-Xylene			0.100	0.09351		mg/Kg		94	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-57941/2-A
Matrix: Solid
Analysis Batch: 57992

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 57941

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09337		mg/Kg		93	70 - 130	8	35
Toluene			0.100	0.1004		mg/Kg		100	70 - 130	2	35
Ethylbenzene			0.100	0.09466		mg/Kg		95	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.1942		mg/Kg		97	70 - 130	2	35
o-Xylene			0.100	0.09648		mg/Kg		96	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-30791-A-1-E MS
Matrix: Solid
Analysis Batch: 57992

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 57941

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00198	U	0.0994	0.08714		mg/Kg		88	70 - 130		
Toluene	<0.00198	U	0.0994	0.08178		mg/Kg		82	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30792-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-30791-A-1-E MS
Matrix: Solid
Analysis Batch: 57992

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 57941

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00198	U	0.0994	0.07867		mg/Kg		79	70 - 130
m-Xylene & p-Xylene	<0.00396	U	0.199	0.1552		mg/Kg		78	70 - 130
o-Xylene	<0.00198	U	0.0994	0.08587		mg/Kg		86	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-30791-A-1-F MSD
Matrix: Solid
Analysis Batch: 57992

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 57941

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.0998	0.08228		mg/Kg		82	70 - 130	6	35
Toluene	<0.00198	U	0.0998	0.07839		mg/Kg		79	70 - 130	4	35
Ethylbenzene	<0.00198	U	0.0998	0.07902		mg/Kg		79	70 - 130	0	35
m-Xylene & p-Xylene	<0.00396	U	0.200	0.1570		mg/Kg		79	70 - 130	1	35
o-Xylene	<0.00198	U	0.0998	0.08751		mg/Kg		88	70 - 130	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: MB 880-57993/5-A
Matrix: Solid
Analysis Batch: 57992

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 57993

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/19/23 08:25	07/19/23 11:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/19/23 08:25	07/19/23 11:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/19/23 08:25	07/19/23 11:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/19/23 08:25	07/19/23 11:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/19/23 08:25	07/19/23 11:34	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/19/23 08:25	07/19/23 11:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*07/19/23 08:25*	*07/19/23 11:34*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*07/19/23 08:25*	*07/19/23 11:34*	*1*

Lab Sample ID: MB 880-58039/5-A
Matrix: Solid
Analysis Batch: 58087

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 58039

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/19/23 12:20	07/20/23 12:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/19/23 12:20	07/20/23 12:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/19/23 12:20	07/20/23 12:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/19/23 12:20	07/20/23 12:48	1

QC Sample Results

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30792-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-58039/5-A
Matrix: Solid
Analysis Batch: 58087

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 58039

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/19/23 12:20	07/20/23 12:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/19/23 12:20	07/20/23 12:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*07/19/23 12:20*	*07/20/23 12:48*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*07/19/23 12:20*	*07/20/23 12:48*	*1*

Lab Sample ID: LCS 880-58039/1-A
Matrix: Solid
Analysis Batch: 58087

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 58039

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1108		mg/Kg		111	70 - 130
Toluene	0.100	0.1090		mg/Kg		109	70 - 130
Ethylbenzene	0.100	0.08481		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	0.200	0.1704		mg/Kg		85	70 - 130
o-Xylene	0.100	0.08892		mg/Kg		89	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 880-58039/2-A
Matrix: Solid
Analysis Batch: 58087

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 58039

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08374		mg/Kg		84	70 - 130	28	35
Toluene	0.100	0.08484		mg/Kg		85	70 - 130	25	35
Ethylbenzene	0.100	0.06776	*-	mg/Kg		68	70 - 130	22	35
m-Xylene & p-Xylene	0.200	0.1506		mg/Kg		75	70 - 130	12	35
o-Xylene	0.100	0.07561		mg/Kg		76	70 - 130	16	35

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

Lab Sample ID: 890-4960-A-1-A MS
Matrix: Solid
Analysis Batch: 58087

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 58039

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0994	0.09403		mg/Kg		95	70 - 130
Toluene	<0.00201	U	0.0994	0.09690		mg/Kg		97	70 - 130
Ethylbenzene	<0.00201	U *-	0.0994	0.08179		mg/Kg		82	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.199	0.1776		mg/Kg		89	70 - 130
o-Xylene	<0.00201	U	0.0994	0.08748		mg/Kg		88	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30792-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 890-4960-A-1-A MS
Matrix: Solid
Analysis Batch: 58087

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 58039

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-4960-A-1-B MSD
Matrix: Solid
Analysis Batch: 58087

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 58039

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0998	0.08966		mg/Kg		90	70 - 130	5	35
Toluene	<0.00201	U	0.0998	0.09371		mg/Kg		94	70 - 130	3	35
Ethylbenzene	<0.00201	U *-	0.0998	0.07577		mg/Kg		76	70 - 130	8	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1670		mg/Kg		84	70 - 130	6	35
o-Xylene	<0.00201	U	0.0998	0.08334		mg/Kg		84	70 - 130	5	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

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

Lab Sample ID: MB 880-57876/1-A
Matrix: Solid
Analysis Batch: 57890

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 57876

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/17/23 15:02	07/18/23 09:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/17/23 15:02	07/18/23 09:54	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/17/23 15:02	07/18/23 09:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130	07/17/23 15:02	07/18/23 09:54	1
o-Terphenyl	130		70 - 130	07/17/23 15:02	07/18/23 09:54	1

Lab Sample ID: LCS 880-57876/2-A
Matrix: Solid
Analysis Batch: 57890

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 57876

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	985.7		mg/Kg		99	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1084		mg/Kg		108	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	122		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30792-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-57876/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 57890 — **Prep Batch: 57876**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	988.9		mg/Kg		99	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	1077		mg/Kg		108	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*110*		*70 - 130*
o-Terphenyl	*123*		*70 - 130*

Lab Sample ID: 890-4944-A-1-F MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 57890 — **Prep Batch: 57876**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.1	U F2	996	908.1		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U F2	996	929.8		mg/Kg		91	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*195*	*S1+*	*70 - 130*
o-Terphenyl	*191*	*S1+*	*70 - 130*

Lab Sample ID: 890-4944-A-1-G MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 57890 — **Prep Batch: 57876**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U F2	996	1143	F2	mg/Kg		111	70 - 130	23	20
Diesel Range Organics (Over C10-C28)	<50.1	U F2	996	1166	F2	mg/Kg		115	70 - 130	23	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*241*	*S1+*	*70 - 130*
o-Terphenyl	*244*	*S1+*	*70 - 130*

Lab Sample ID: MB 880-57942/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 58261 — **Prep Batch: 57942**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/18/23 11:36	07/22/23 09:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/18/23 11:36	07/22/23 09:08	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/18/23 11:36	07/22/23 09:08	1

QC Sample Results

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30792-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-57942/1-A
Matrix: Solid
Analysis Batch: 58261

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 57942

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	170	S1+	70 - 130	07/18/23 11:36	07/22/23 09:08	1
o-Terphenyl	197	S1+	70 - 130	07/18/23 11:36	07/22/23 09:08	1

Lab Sample ID: LCS 880-57942/2-A
Matrix: Solid
Analysis Batch: 58261

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 57942

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1114		mg/Kg		111	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	977.6		mg/Kg		98	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	85		70 - 130
o-Terphenyl	106		70 - 130

Lab Sample ID: LCSD 880-57942/3-A
Matrix: Solid
Analysis Batch: 58261

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 57942

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1000		mg/Kg		100	70 - 130	11	20
Diesel Range Organics (Over C10-C28)			1000	1032		mg/Kg		103	70 - 130	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: 880-30793-A-2-E MS
Matrix: Solid
Analysis Batch: 58261

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 57942

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	1000	864.5		mg/Kg		86	70 - 130		
Diesel Range Organics (Over C10-C28)	61.8		1000	934.3		mg/Kg		87	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	113		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30792-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-30793-A-2-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 58261 — **Prep Batch: 57942**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	1000	1003		mg/Kg		100	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	61.8		1000	953.8		mg/Kg		89	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*107*		*70 - 130*
o-Terphenyl	*115*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-57863/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 57925

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/18/23 08:41	1

Lab Sample ID: LCS 880-57863/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 57925

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	257.0		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-57863/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 57925

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	257.4		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-30792-7 MS — **Client Sample ID: S-4 (1.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 57925

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3260		1260	4514		mg/Kg		100	90 - 110

Lab Sample ID: 880-30792-7 MSD — **Client Sample ID: S-4 (1.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 57925

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3260		1260	4517		mg/Kg		100	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30792-1
SDG: Lea County, New Mexico

GC VOA

Prep Batch: 57941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30792-1	S-1 (0-1')	Total/NA	Solid	5035	
880-30792-2	S-1 (1.5')	Total/NA	Solid	5035	
880-30792-3	S-2 (0-1')	Total/NA	Solid	5035	
880-30792-4	S-2 (1.5')	Total/NA	Solid	5035	
880-30792-5	S-3 (0-1')	Total/NA	Solid	5035	
880-30792-6	S-4 (0-1')	Total/NA	Solid	5035	
880-30792-7	S-4 (1.5')	Total/NA	Solid	5035	
880-30792-8	S-5 (0-1')	Total/NA	Solid	5035	
880-30792-9	S-5 (1.5')	Total/NA	Solid	5035	
MB 880-57941/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-57941/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-57941/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-30791-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-30791-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 57992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30792-1	S-1 (0-1')	Total/NA	Solid	8021B	57941
880-30792-2	S-1 (1.5')	Total/NA	Solid	8021B	57941
880-30792-3	S-2 (0-1')	Total/NA	Solid	8021B	57941
880-30792-4	S-2 (1.5')	Total/NA	Solid	8021B	57941
880-30792-5	S-3 (0-1')	Total/NA	Solid	8021B	57941
880-30792-6	S-4 (0-1')	Total/NA	Solid	8021B	57941
880-30792-7	S-4 (1.5')	Total/NA	Solid	8021B	57941
880-30792-8	S-5 (0-1')	Total/NA	Solid	8021B	57941
880-30792-9	S-5 (1.5')	Total/NA	Solid	8021B	57941
MB 880-57941/5-A	Method Blank	Total/NA	Solid	8021B	57941
MB 880-57993/5-A	Method Blank	Total/NA	Solid	8021B	57993
LCS 880-57941/1-A	Lab Control Sample	Total/NA	Solid	8021B	57941
LCSD 880-57941/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	57941
880-30791-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	57941
880-30791-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	57941

Prep Batch: 57993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-57993/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 58039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30792-6	S-4 (0-1')	Total/NA	Solid	5035	
MB 880-58039/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-58039/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-58039/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4960-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
890-4960-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 58087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30792-6	S-4 (0-1')	Total/NA	Solid	8021B	58039
MB 880-58039/5-A	Method Blank	Total/NA	Solid	8021B	58039
LCS 880-58039/1-A	Lab Control Sample	Total/NA	Solid	8021B	58039

QC Association Summary

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30792-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 58087 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-58039/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	58039
890-4960-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	58039
890-4960-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	58039

Analysis Batch: 58111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30792-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-30792-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-30792-3	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-30792-4	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-30792-5	S-3 (0-1')	Total/NA	Solid	Total BTEX	
880-30792-6	S-4 (0-1')	Total/NA	Solid	Total BTEX	
880-30792-7	S-4 (1.5')	Total/NA	Solid	Total BTEX	
880-30792-8	S-5 (0-1')	Total/NA	Solid	Total BTEX	
880-30792-9	S-5 (1.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 57876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30792-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-30792-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-30792-3	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-30792-4	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-30792-5	S-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-30792-6	S-4 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-57876/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-57876/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-57876/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4944-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4944-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 57890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30792-1	S-1 (0-1')	Total/NA	Solid	8015B NM	57876
880-30792-2	S-1 (1.5')	Total/NA	Solid	8015B NM	57876
880-30792-3	S-2 (0-1')	Total/NA	Solid	8015B NM	57876
880-30792-4	S-2 (1.5')	Total/NA	Solid	8015B NM	57876
880-30792-5	S-3 (0-1')	Total/NA	Solid	8015B NM	57876
880-30792-6	S-4 (0-1')	Total/NA	Solid	8015B NM	57876
MB 880-57876/1-A	Method Blank	Total/NA	Solid	8015B NM	57876
LCS 880-57876/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	57876
LCSD 880-57876/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	57876
890-4944-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	57876
890-4944-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	57876

Prep Batch: 57942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30792-7	S-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-30792-8	S-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-30792-9	S-5 (1.5')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30792-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 57942 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-57942/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-57942/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-57942/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-30793-A-2-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-30793-A-2-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 58025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30792-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-30792-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-30792-3	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-30792-4	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-30792-5	S-3 (0-1')	Total/NA	Solid	8015 NM	
880-30792-6	S-4 (0-1')	Total/NA	Solid	8015 NM	
880-30792-7	S-4 (1.5')	Total/NA	Solid	8015 NM	
880-30792-8	S-5 (0-1')	Total/NA	Solid	8015 NM	
880-30792-9	S-5 (1.5')	Total/NA	Solid	8015 NM	

Analysis Batch: 58261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30792-7	S-4 (1.5')	Total/NA	Solid	8015B NM	57942
880-30792-8	S-5 (0-1')	Total/NA	Solid	8015B NM	57942
880-30792-9	S-5 (1.5')	Total/NA	Solid	8015B NM	57942
MB 880-57942/1-A	Method Blank	Total/NA	Solid	8015B NM	57942
LCS 880-57942/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	57942
LCSD 880-57942/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	57942
880-30793-A-2-E MS	Matrix Spike	Total/NA	Solid	8015B NM	57942
880-30793-A-2-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	57942

HPLC/IC

Leach Batch: 57863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30792-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-30792-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-30792-3	S-2 (0-1')	Soluble	Solid	DI Leach	
880-30792-4	S-2 (1.5')	Soluble	Solid	DI Leach	
880-30792-5	S-3 (0-1')	Soluble	Solid	DI Leach	
880-30792-6	S-4 (0-1')	Soluble	Solid	DI Leach	
880-30792-7	S-4 (1.5')	Soluble	Solid	DI Leach	
880-30792-8	S-5 (0-1')	Soluble	Solid	DI Leach	
880-30792-9	S-5 (1.5')	Soluble	Solid	DI Leach	
MB 880-57863/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-57863/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-57863/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-30792-7 MS	S-4 (1.5')	Soluble	Solid	DI Leach	
880-30792-7 MSD	S-4 (1.5')	Soluble	Solid	DI Leach	

Analysis Batch: 57925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30792-1	S-1 (0-1')	Soluble	Solid	300.0	57863

QC Association Summary

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30792-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 57925 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30792-2	S-1 (1.5')	Soluble	Solid	300.0	57863
880-30792-3	S-2 (0-1')	Soluble	Solid	300.0	57863
880-30792-4	S-2 (1.5')	Soluble	Solid	300.0	57863
880-30792-5	S-3 (0-1')	Soluble	Solid	300.0	57863
880-30792-6	S-4 (0-1')	Soluble	Solid	300.0	57863
880-30792-7	S-4 (1.5')	Soluble	Solid	300.0	57863
880-30792-8	S-5 (0-1')	Soluble	Solid	300.0	57863
880-30792-9	S-5 (1.5')	Soluble	Solid	300.0	57863
MB 880-57863/1-A	Method Blank	Soluble	Solid	300.0	57863
LCS 880-57863/2-A	Lab Control Sample	Soluble	Solid	300.0	57863
LCSD 880-57863/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	57863
880-30792-7 MS	S-4 (1.5')	Soluble	Solid	300.0	57863
880-30792-7 MSD	S-4 (1.5')	Soluble	Solid	300.0	57863

Lab Chronicle

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30792-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-30792-1
Matrix: Solid
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 14:00

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	57941	07/18/23 11:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57992	07/20/23 00:02	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58111	07/20/23 10:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			58025	07/19/23 11:00	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	57876	07/17/23 15:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57890	07/19/23 07:41	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	57863	07/17/23 14:47	KS	EET MID
Soluble	Analysis	300.0		5			57925	07/18/23 09:26	CH	EET MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-30792-2
Matrix: Solid
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 14:00

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	57941	07/18/23 11:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57992	07/20/23 00:22	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58111	07/20/23 10:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			58025	07/19/23 11:00	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	57876	07/17/23 15:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57890	07/19/23 08:04	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	57863	07/17/23 14:47	KS	EET MID
Soluble	Analysis	300.0		1			57925	07/18/23 09:41	CH	EET MID

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

Lab Sample ID: 880-30792-3
Matrix: Solid
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 14:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	57941	07/18/23 11:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57992	07/20/23 00:43	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58111	07/20/23 10:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			58025	07/19/23 11:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	57876	07/17/23 15:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57890	07/19/23 08:28	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	57863	07/17/23 14:47	KS	EET MID
Soluble	Analysis	300.0		5			57925	07/18/23 09:46	CH	EET MID

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-30792-4
Matrix: Solid
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 14:00

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	57941	07/18/23 11:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57992	07/20/23 01:04	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58111	07/20/23 10:18	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30792-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-30792-4
Matrix: Solid
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 14:00

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			58025	07/19/23 11:00	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	57876	07/17/23 15:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57890	07/19/23 08:50	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	57863	07/17/23 14:47	KS	EET MID
Soluble	Analysis	300.0		1			57925	07/18/23 09:51	CH	EET MID

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

Lab Sample ID: 880-30792-5
Matrix: Solid
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 14:00

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	57941	07/18/23 11:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57992	07/20/23 01:24	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58111	07/20/23 10:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			58025	07/19/23 11:00	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	57876	07/17/23 15:02	TKC	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	57890	07/19/23 09:12	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	57863	07/17/23 14:47	KS	EET MID
Soluble	Analysis	300.0		10			57925	07/18/23 09:56	CH	EET MID

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

Lab Sample ID: 880-30792-6
Matrix: Solid
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 14:00

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	57941	07/18/23 11:31	EL	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	57992	07/20/23 01:45	SM	EET MID
Total/NA	Prep	5035			4.95 g	5 mL	58039	07/20/23 10:20	EL	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	58087	07/20/23 21:22	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58111	07/20/23 10:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			58025	07/19/23 11:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	57876	07/17/23 15:02	TKC	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	57890	07/19/23 09:35	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	57863	07/17/23 14:47	KS	EET MID
Soluble	Analysis	300.0		10			57925	07/18/23 10:01	CH	EET MID

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-30792-7
Matrix: Solid
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 14:00

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	57941	07/18/23 11:31	EL	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	57992	07/20/23 06:14	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58111	07/20/23 10:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			58025	07/24/23 15:27	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30792-1
SDG: Lea County, New Mexico

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-30792-7
Matrix: Solid
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 14:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	57942	07/18/23 11:39	TKC	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	58261	07/22/23 20:18	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	57863	07/17/23 14:47	KS	EET MID
Soluble	Analysis	300.0		5			57925	07/18/23 10:06	CH	EET MID

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

Lab Sample ID: 880-30792-8
Matrix: Solid
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 14:00

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	57941	07/18/23 11:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57992	07/20/23 03:08	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58111	07/20/23 10:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			58025	07/24/23 15:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	57942	07/18/23 11:39	TKC	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	58261	07/22/23 19:56	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	57863	07/17/23 14:47	KS	EET MID
Soluble	Analysis	300.0		1			57925	07/18/23 10:20	CH	EET MID

Client Sample ID: S-5 (1.5')

Lab Sample ID: 880-30792-9
Matrix: Solid
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 14:00

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	57941	07/18/23 11:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57992	07/20/23 03:29	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58111	07/20/23 10:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			58025	07/24/23 15:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	57942	07/18/23 11:39	TKC	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	58261	07/22/23 20:41	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	57863	07/17/23 14:47	KS	EET MID
Soluble	Analysis	300.0		1			57925	07/18/23 10:25	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: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30792-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

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

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

Method Summary

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30792-1
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: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30792-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-30792-1	S-1 (0-1')	Solid	07/14/23 00:00	07/17/23 14:00
880-30792-2	S-1 (1.5')	Solid	07/14/23 00:00	07/17/23 14:00
880-30792-3	S-2 (0-1')	Solid	07/14/23 00:00	07/17/23 14:00
880-30792-4	S-2 (1.5')	Solid	07/14/23 00:00	07/17/23 14:00
880-30792-5	S-3 (0-1')	Solid	07/14/23 00:00	07/17/23 14:00
880-30792-6	S-4 (0-1')	Solid	07/14/23 00:00	07/17/23 14:00
880-30792-7	S-4 (1.5')	Solid	07/14/23 00:00	07/17/23 14:00
880-30792-8	S-5 (0-1')	Solid	07/14/23 00:00	07/17/23 14:00
880-30792-9	S-5 (1.5')	Solid	07/14/23 00:00	07/17/23 14:00

Chain of Custody

Work Order No: 30792

7/24/2023

Page 1 of 1

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

Work Order Comments

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

State of Project

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

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Tiger 11 Fed 7H (07 10 23)	Turn Around	
Project Number	2088	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date	72 Hrs
Sampler's Name	FV		
PO #			

SAMPLE RECEIPT				
Temp Blank	Yes (No)	Wet Ice	(Yes) No	
Received Intact:	(Yes) No	Thermometer ID	IR8	
Cooler Custody Seals	Yes No (N/A)	Correction Factor	-3.6	
Sample Custody Seals	Yes No (N/A)	Temperature Reading	-7.0	
Total Containers		Corrected Temperature	-10.3	

Preservative Codes

None NO; DI Water H_2O; Cool Cool; MeOH Me; HCL HC; HNO_3 HN; H_2S0_4 H_2; NaOH Na; H_3PO_4 HP; $NaHSO_4$ NABIS; $Na_2S_2O_3$ $NaSO_3$; Zn Acetate+NaOH Zn; NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	Sample Comments
S-1 (0-1')	7/14/2023		X		G	1		X	X	X	
S-1 (1 5')	7/14/2023		X		G	1		X	X	X	
S-2 (0-1')	7/14/2023		X		G	1		X	X	X	
S-2 (1 5')	7/14/2023		X		G	1		X	X	X	
S-3 (0-1')	7/14/2023		X		G	1		X	X	X	
S-4 (0-1')	7/14/2023		X		G	1		X	X	X	
S-4 (1 5')	7/14/2023		X		G	1		X	X	X	
S-5 (0-1')	7/14/2023		X		G	1		X	X	X	
S-5 (1 5')	7/14/2023		X		G	1		X	X	X	

880-30792 Chain of Custody

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
Brenda Arias	7-17-23 1400		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-30792-1
SDG Number: Lea County, New Mexico

Login Number: 30792
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/20/2023 10:33:51 AM

JOB DESCRIPTION

Tiger 11 Fed 7H (07.10.23)
SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-30791-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

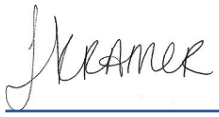
Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Laboratory Job ID: 880-30791-1
SDG: Lea County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30791-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30791-1
SDG: Lea County, New Mexico

Job ID: 880-30791-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-30791-1

Receipt
The samples were received on 7/17/2023 2:00 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 -10.3°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-30791-1), H-2 (0-0.5') (880-30791-2), H-3 (0-0.5') (880-30791-3) and H-4 (0-0.5') (880-30791-4).

GC VOA
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: (890-4944-A-1-F MS) and (890-4944-A-1-G 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: (CCV 880-57890/20). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-57876 and analytical batch 880-57890 was outside control limits. Sample non-homogeneity is suspected.

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: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30791-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-30791-1
Matrix: Solid
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 14:00

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		07/18/23 11:31	07/19/23 22:39	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/18/23 11:31	07/19/23 22:39	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/18/23 11:31	07/19/23 22:39	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/18/23 11:31	07/19/23 22:39	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/18/23 11:31	07/19/23 22:39	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/18/23 11:31	07/19/23 22:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*07/18/23 11:31*	*07/19/23 22:39*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*07/18/23 11:31*	*07/19/23 22:39*	*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			07/20/23 10:18	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			07/19/23 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/17/23 15:02	07/18/23 17:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/17/23 15:02	07/18/23 17:34	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/17/23 15:02	07/18/23 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*07/17/23 15:02*	*07/18/23 17:34*	*1*
o-Terphenyl	*110*		*70 - 130*	*07/17/23 15:02*	*07/18/23 17:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**61.9**		4.96		mg/Kg			07/18/23 08:56	1

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

Lab Sample ID: 880-30791-2
Matrix: Solid
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 14:00

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		07/18/23 11:31	07/19/23 23:00	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/18/23 11:31	07/19/23 23:00	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/18/23 11:31	07/19/23 23:00	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/18/23 11:31	07/19/23 23:00	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/18/23 11:31	07/19/23 23:00	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/18/23 11:31	07/19/23 23:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*07/18/23 11:31*	*07/19/23 23:00*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*07/18/23 11:31*	*07/19/23 23:00*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30791-1
SDG: Lea County, New Mexico

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

Date Collected: 07/14/23 00:00
Date Received: 07/17/23 14:00

Lab Sample ID: 880-30791-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/20/23 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5		mg/Kg			07/19/23 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	49.5		mg/Kg		07/17/23 15:02	07/18/23 17:59	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		07/17/23 15:02	07/18/23 17:59	1
OII Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		07/17/23 15:02	07/18/23 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*07/17/23 15:02*	*07/18/23 17:59*	*1*
o-Terphenyl	*106*		*70 - 130*	*07/17/23 15:02*	*07/18/23 17:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**60.3**		4.98		mg/Kg			07/18/23 09:11	1

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

Date Collected: 07/14/23 00:00
Date Received: 07/17/23 14:00

Lab Sample ID: 880-30791-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/18/23 11:31	07/19/23 23:21	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/18/23 11:31	07/19/23 23:21	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/18/23 11:31	07/19/23 23:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/18/23 11:31	07/19/23 23:21	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/18/23 11:31	07/19/23 23:21	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/18/23 11:31	07/19/23 23:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*07/18/23 11:31*	*07/19/23 23:21*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*07/18/23 11:31*	*07/19/23 23:21*	*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			07/20/23 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**55.7**		49.6		mg/Kg			07/19/23 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		07/17/23 15:02	07/19/23 06:55	1
Diesel Range Organics (Over C10-C28)	**55.7**		49.6		mg/Kg		07/17/23 15:02	07/19/23 06:55	1

Client Sample Results

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30791-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-30791-3
Matrix: Solid
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 14:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		07/17/23 15:02	07/19/23 06:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*07/17/23 15:02*	*07/19/23 06:55*	*1*
o-Terphenyl	*112*		*70 - 130*	*07/17/23 15:02*	*07/19/23 06:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**61.7**		5.02		mg/Kg			07/18/23 09:16	1

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

Lab Sample ID: 880-30791-4
Matrix: Solid
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 14:00

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		07/18/23 11:31	07/19/23 23:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/18/23 11:31	07/19/23 23:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/18/23 11:31	07/19/23 23:41	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/18/23 11:31	07/19/23 23:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/18/23 11:31	07/19/23 23:41	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/18/23 11:31	07/19/23 23:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*07/18/23 11:31*	*07/19/23 23:41*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*07/18/23 11:31*	*07/19/23 23:41*	*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			07/20/23 10:18	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			07/19/23 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/17/23 15:02	07/19/23 07:17	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/17/23 15:02	07/19/23 07:17	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/17/23 15:02	07/19/23 07:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*07/17/23 15:02*	*07/19/23 07:17*	*1*
o-Terphenyl	*105*		*70 - 130*	*07/17/23 15:02*	*07/19/23 07:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**53.5**		5.04		mg/Kg			07/18/23 09:21	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30791-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-30791-1	H-1 (0-0.5')	92	98
880-30791-1 MS	H-1 (0-0.5')	103	100
880-30791-1 MSD	H-1 (0-0.5')	105	102
880-30791-2	H-2 (0-0.5')	99	115
880-30791-3	H-3 (0-0.5')	99	111
880-30791-4	H-4 (0-0.5')	104	113
LCS 880-57941/1-A	Lab Control Sample	102	105
LCSD 880-57941/2-A	Lab Control Sample Dup	105	100
MB 880-57941/5-A	Method Blank	78	95
MB 880-57993/5-A	Method Blank	84	96

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-30791-1	H-1 (0-0.5')	108	110
880-30791-2	H-2 (0-0.5')	108	106
880-30791-3	H-3 (0-0.5')	106	112
880-30791-4	H-4 (0-0.5')	103	105
890-4944-A-1-F MS	Matrix Spike	195 S1+	191 S1+
890-4944-A-1-G MSD	Matrix Spike Duplicate	241 S1+	244 S1+
LCS 880-57876/2-A	Lab Control Sample	112	122
LCSD 880-57876/3-A	Lab Control Sample Dup	110	123
MB 880-57876/1-A	Method Blank	122	130

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30791-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-57941/5-A
Matrix: Solid
Analysis Batch: 57992

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 57941

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/18/23 11:31	07/19/23 22:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/18/23 11:31	07/19/23 22:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/18/23 11:31	07/19/23 22:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/18/23 11:31	07/19/23 22:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/18/23 11:31	07/19/23 22:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/18/23 11:31	07/19/23 22:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*07/18/23 11:31*	*07/19/23 22:17*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*07/18/23 11:31*	*07/19/23 22:17*	*1*

Lab Sample ID: LCS 880-57941/1-A
Matrix: Solid
Analysis Batch: 57992

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 57941

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1012		mg/Kg		101	70 - 130
Toluene	0.100	0.1028		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.09282		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1982		mg/Kg		99	70 - 130
o-Xylene	0.100	0.09351		mg/Kg		94	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-57941/2-A
Matrix: Solid
Analysis Batch: 57992

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 57941

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09337		mg/Kg		93	70 - 130	8	35
Toluene	0.100	0.1004		mg/Kg		100	70 - 130	2	35
Ethylbenzene	0.100	0.09466		mg/Kg		95	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1942		mg/Kg		97	70 - 130	2	35
o-Xylene	0.100	0.09648		mg/Kg		96	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-30791-1 MS
Matrix: Solid
Analysis Batch: 57992

Client Sample ID: H-1 (0-0.5')
Prep Type: Total/NA
Prep Batch: 57941

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.0994	0.08714		mg/Kg		88	70 - 130
Toluene	<0.00198	U	0.0994	0.08178		mg/Kg		82	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30791-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-30791-1 MS
Matrix: Solid
Analysis Batch: 57992

Client Sample ID: H-1 (0-0.5')
Prep Type: Total/NA
Prep Batch: 57941

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00198	U	0.0994	0.07867		mg/Kg		79	70 - 130
m-Xylene & p-Xylene	<0.00396	U	0.199	0.1552		mg/Kg		78	70 - 130
o-Xylene	<0.00198	U	0.0994	0.08587		mg/Kg		86	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-30791-1 MSD
Matrix: Solid
Analysis Batch: 57992

Client Sample ID: H-1 (0-0.5')
Prep Type: Total/NA
Prep Batch: 57941

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.0998	0.08228		mg/Kg		82	70 - 130	6	35
Toluene	<0.00198	U	0.0998	0.07839		mg/Kg		79	70 - 130	4	35
Ethylbenzene	<0.00198	U	0.0998	0.07902		mg/Kg		79	70 - 130	0	35
m-Xylene & p-Xylene	<0.00396	U	0.200	0.1570		mg/Kg		79	70 - 130	1	35
o-Xylene	<0.00198	U	0.0998	0.08751		mg/Kg		88	70 - 130	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: MB 880-57993/5-A
Matrix: Solid
Analysis Batch: 57992

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 57993

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/19/23 08:25	07/19/23 11:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/19/23 08:25	07/19/23 11:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/19/23 08:25	07/19/23 11:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/19/23 08:25	07/19/23 11:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/19/23 08:25	07/19/23 11:34	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/19/23 08:25	07/19/23 11:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*07/19/23 08:25*	*07/19/23 11:34*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*07/19/23 08:25*	*07/19/23 11:34*	*1*

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

Lab Sample ID: MB 880-57876/1-A
Matrix: Solid
Analysis Batch: 57890

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 57876

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/17/23 15:02	07/18/23 09:54	1

QC Sample Results

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30791-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-57876/1-A
Matrix: Solid
Analysis Batch: 57890

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 57876

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/17/23 15:02	07/18/23 09:54	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/17/23 15:02	07/18/23 09:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*07/17/23 15:02*	*07/18/23 09:54*	*1*
o-Terphenyl	*130*		*70 - 130*	*07/17/23 15:02*	*07/18/23 09:54*	*1*

Lab Sample ID: LCS 880-57876/2-A
Matrix: Solid
Analysis Batch: 57890

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 57876

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	985.7		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1084		mg/Kg		108	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*112*		*70 - 130*
o-Terphenyl	*122*		*70 - 130*

Lab Sample ID: LCSD 880-57876/3-A
Matrix: Solid
Analysis Batch: 57890

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 57876

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	988.9		mg/Kg		99	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1077		mg/Kg		108	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*110*		*70 - 130*
o-Terphenyl	*123*		*70 - 130*

Lab Sample ID: 890-4944-A-1-F MS
Matrix: Solid
Analysis Batch: 57890

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 57876

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.1	U F2	996	908.1		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U F2	996	929.8		mg/Kg		91	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*195*	*S1+*	*70 - 130*
o-Terphenyl	*191*	*S1+*	*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30791-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 890-4944-A-1-G MSD
Matrix: Solid
Analysis Batch: 57890

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 57876

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U F2	996	1143	F2	mg/Kg		111	70 - 130	23	20
Diesel Range Organics (Over C10-C28)	<50.1	U F2	996	1166	F2	mg/Kg		115	70 - 130	23	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*241*	*S1+*	*70 - 130*
o-Terphenyl	*244*	*S1+*	*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-57863/1-A
Matrix: Solid
Analysis Batch: 57925

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/18/23 08:41	1

Lab Sample ID: LCS 880-57863/2-A
Matrix: Solid
Analysis Batch: 57925

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	257.0		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-57863/3-A
Matrix: Solid
Analysis Batch: 57925

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	257.4		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-30791-1 MS
Matrix: Solid
Analysis Batch: 57925

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	61.9		248	319.9		mg/Kg		104	90 - 110

Lab Sample ID: 880-30791-1 MSD
Matrix: Solid
Analysis Batch: 57925

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	61.9		248	320.2		mg/Kg		104	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30791-1
SDG: Lea County, New Mexico

GC VOA

Prep Batch: 57941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30791-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-30791-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-30791-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-30791-4	H-4 (0-0.5')	Total/NA	Solid	5035	
MB 880-57941/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-57941/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-57941/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-30791-1 MS	H-1 (0-0.5')	Total/NA	Solid	5035	
880-30791-1 MSD	H-1 (0-0.5')	Total/NA	Solid	5035	

Analysis Batch: 57992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30791-1	H-1 (0-0.5')	Total/NA	Solid	8021B	57941
880-30791-2	H-2 (0-0.5')	Total/NA	Solid	8021B	57941
880-30791-3	H-3 (0-0.5')	Total/NA	Solid	8021B	57941
880-30791-4	H-4 (0-0.5')	Total/NA	Solid	8021B	57941
MB 880-57941/5-A	Method Blank	Total/NA	Solid	8021B	57941
MB 880-57993/5-A	Method Blank	Total/NA	Solid	8021B	57993
LCS 880-57941/1-A	Lab Control Sample	Total/NA	Solid	8021B	57941
LCSD 880-57941/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	57941
880-30791-1 MS	H-1 (0-0.5')	Total/NA	Solid	8021B	57941
880-30791-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8021B	57941

Prep Batch: 57993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-57993/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 58110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30791-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-30791-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-30791-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-30791-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 57876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30791-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-30791-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-30791-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-30791-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-57876/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-57876/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-57876/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4944-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4944-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 57890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30791-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	57876

QC Association Summary

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30791-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 57890 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30791-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	57876
880-30791-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	57876
880-30791-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	57876
MB 880-57876/1-A	Method Blank	Total/NA	Solid	8015B NM	57876
LCS 880-57876/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	57876
LCSD 880-57876/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	57876
890-4944-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	57876
890-4944-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	57876

Analysis Batch: 58024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30791-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-30791-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-30791-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-30791-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 57863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30791-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-30791-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-30791-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-30791-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-57863/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-57863/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-57863/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-30791-1 MS	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-30791-1 MSD	H-1 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 57925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30791-1	H-1 (0-0.5')	Soluble	Solid	300.0	57863
880-30791-2	H-2 (0-0.5')	Soluble	Solid	300.0	57863
880-30791-3	H-3 (0-0.5')	Soluble	Solid	300.0	57863
880-30791-4	H-4 (0-0.5')	Soluble	Solid	300.0	57863
MB 880-57863/1-A	Method Blank	Soluble	Solid	300.0	57863
LCS 880-57863/2-A	Lab Control Sample	Soluble	Solid	300.0	57863
LCSD 880-57863/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	57863
880-30791-1 MS	H-1 (0-0.5')	Soluble	Solid	300.0	57863
880-30791-1 MSD	H-1 (0-0.5')	Soluble	Solid	300.0	57863

Lab Chronicle

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30791-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-30791-1
Matrix: Solid
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 14:00

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	57941	07/18/23 11:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57992	07/19/23 22:39	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58110	07/20/23 10:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			58024	07/19/23 11:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	57876	07/17/23 15:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57890	07/18/23 17:34	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	57863	07/17/23 14:47	KS	EET MID
Soluble	Analysis	300.0		1			57925	07/18/23 08:56	CH	EET MID

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

Lab Sample ID: 880-30791-2
Matrix: Solid
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 14:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	57941	07/18/23 11:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57992	07/19/23 23:00	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58110	07/20/23 10:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			58024	07/19/23 11:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	57876	07/17/23 15:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57890	07/18/23 17:59	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	57863	07/17/23 14:47	KS	EET MID
Soluble	Analysis	300.0		1			57925	07/18/23 09:11	CH	EET MID

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

Lab Sample ID: 880-30791-3
Matrix: Solid
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 14:00

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	57941	07/18/23 11:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57992	07/19/23 23:21	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58110	07/20/23 10:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			58024	07/19/23 11:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	57876	07/17/23 15:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57890	07/19/23 06:55	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	57863	07/17/23 14:47	KS	EET MID
Soluble	Analysis	300.0		1			57925	07/18/23 09:16	CH	EET MID

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

Lab Sample ID: 880-30791-4
Matrix: Solid
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 14:00

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	57941	07/18/23 11:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57992	07/19/23 23:41	SM	EET MID
Total/NA	Analysis	Total BTEX		1			58110	07/20/23 10:18	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30791-1
SDG: Lea County, New Mexico

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

Date Collected: 07/14/23 00:00
Date Received: 07/17/23 14:00

Lab Sample ID: 880-30791-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			58024	07/19/23 11:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	57876	07/17/23 15:02	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	57890	07/19/23 07:17	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	57863	07/17/23 14:47	KS	EET MID
Soluble	Analysis	300.0		1			57925	07/18/23 09:21	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: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30791-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

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

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

Method Summary

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30791-1
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: Tiger 11 Fed 7H (07.10.23)

Job ID: 880-30791-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-30791-1	H-1 (0-0.5')	Solid	07/14/23 00:00	07/17/23 14:00
880-30791-2	H-2 (0-0.5')	Solid	07/14/23 00:00	07/17/23 14:00
880-30791-3	H-3 (0-0.5')	Solid	07/14/23 00:00	07/17/23 14:00
880-30791-4	H-4 (0-0.5')	Solid	07/14/23 00:00	07/17/23 14:00

Chain of Custody

Work Order No: 30791

Page ___ of 1

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

Work Order Comments

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

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	Tiger 11 Fed 7H (07 10 23)	Turn Around	☐ Routine ☑ Rush
Project Number	2088		
Project Location	Lea County, New Mexico	Due Date	72 Hrs
Sampler's Name	FV		
PO #:			

SAMPLE RECEIPT	Temp Blank	Yes No (No)	Wet Ice	Yes No (Yes)
Received Intact:	Yes No (Yes)	Thermometer ID	[illegible]	
Cooler Custody Seals	Yes No N/A	Correction Factor	-.30	
Sample Custody Seals	Yes No N/A (N/A)	Temperature Reading	-10	
Total Containers:		Corrected Temperature	-10.3	

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	Sample Comments
H-1 (0-0 5')	7/14/2023		X		G	1	X	X	X	
H-2 (0-0 5')	7/14/2023		X		G	1	X	X	X	
H-3 (0-0 5')	7/14/2023		X		G	1	X	X	X	
H-4 (0-0 5')	7/14/2023		X		G	1	X	X	X	

Preservative Codes

None NO — DI Water: H_2O
Cool Cool — MeOH Me
HCL HC — HNO_3 HN
H_2SO_4 H_2 — NaOH Na
H_3PO_4 HP
$NaHSO_4$ NABIS
$Na_2S_2O_3$ $NaSO_3$
Zn Acetate+NaOH Zn
NaOH+Ascorbic Acid SAPC

880-30791 Chain of Custody

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	7-17-23 1400	[signature]	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-30791-1
SDG Number: Lea County, New Mexico

Login Number: 30791
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	

CARDINAL Laboratories

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

August 14, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: TIGER 11 FED 7H (07.10.23)

Enclosed are the results of analyses for samples received by the laboratory on 08/11/23 12:33.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/11/2023	Sampling Date:	08/10/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	TIGER 11 FED 7H (07.10.23)	Sampling Condition:	Cool & Intact
Project Number:	2088	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 1 (2') (H234346-01)

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	08/11/2023	ND	2.15	107	2.00	1.66	
Toluene*	<0.050	0.050	08/11/2023	ND	2.09	104	2.00	2.87	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.00	99.9	2.00	2.04	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	5.98	99.7	6.00	1.54	
Total BTEX	<0.300	0.300	08/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.8 %* *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	**144**	16.0	08/14/2023	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	**26.3**	10.0	08/11/2023	ND	163	81.3	200	1.21	
DRO >C10-C28*	**1610**	10.0	08/11/2023	ND	173	86.7	200	2.12	QM-07
EXT DRO >C28-C36	**404**	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane *98.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *97.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/11/2023	Sampling Date:	08/10/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	TIGER 11 FED 7H (07.10.23)	Sampling Condition:	Cool & Intact
Project Number:	2088	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 2 (2') (H234346-02)

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	08/11/2023	ND	2.15	107	2.00	1.66	
Toluene*	<0.050	0.050	08/11/2023	ND	2.09	104	2.00	2.87	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.00	99.9	2.00	2.04	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	5.98	99.7	6.00	1.54	
Total BTEX	<0.300	0.300	08/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.8 %* *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	**48.0**	16.0	08/14/2023	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	163	81.3	200	1.21	
DRO >C10-C28*	**19.1**	10.0	08/11/2023	ND	173	86.7	200	2.12	
EXT DRO >C28-C36	**11.3**	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane *94.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *109 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/11/2023	Sampling Date:	08/10/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	TIGER 11 FED 7H (07.10.23)	Sampling Condition:	Cool & Intact
Project Number:	2088	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 3 (2') (H234346-03)

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	08/11/2023	ND	2.15	107	2.00	1.66	
Toluene*	<0.050	0.050	08/11/2023	ND	2.09	104	2.00	2.87	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.00	99.9	2.00	2.04	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	5.98	99.7	6.00	1.54	
Total BTEX	<0.300	0.300	08/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.5 %* *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	**32.0**	16.0	08/14/2023	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	163	81.3	200	1.21	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	173	86.7	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane *95.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *112 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/11/2023	Sampling Date:	08/10/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	TIGER 11 FED 7H (07.10.23)	Sampling Condition:	Cool & Intact
Project Number:	2088	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 4 (2') (H234346-04)

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	08/11/2023	ND	2.15	107	2.00	1.66	
Toluene*	<0.050	0.050	08/11/2023	ND	2.09	104	2.00	2.87	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.00	99.9	2.00	2.04	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	5.98	99.7	6.00	1.54	
Total BTEX	<0.300	0.300	08/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.3 %* *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	**160**	16.0	08/14/2023	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	163	81.3	200	1.21	
DRO >C10-C28*	**70.9**	10.0	08/11/2023	ND	173	86.7	200	2.12	
EXT DRO >C28-C36	**11.5**	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane *90.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *110 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/11/2023	Sampling Date:	08/10/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	TIGER 11 FED 7H (07.10.23)	Sampling Condition:	Cool & Intact
Project Number:	2088	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 5 (2') (H234346-05)

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	08/11/2023	ND	2.15	107	2.00	1.66	
Toluene*	<0.050	0.050	08/11/2023	ND	2.09	104	2.00	2.87	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.00	99.9	2.00	2.04	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	5.98	99.7	6.00	1.54	
Total BTEX	<0.300	0.300	08/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.3 %* *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	**288**	16.0	08/14/2023	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	163	81.3	200	1.21	
DRO >C10-C28*	**122**	10.0	08/11/2023	ND	173	86.7	200	2.12	
EXT DRO >C28-C36	**31.0**	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane *89.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *108 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/11/2023	Sampling Date:	08/10/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	TIGER 11 FED 7H (07.10.23)	Sampling Condition:	Cool & Intact
Project Number:	2088	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 6 (2') (H234346-06)

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	08/11/2023	ND	2.15	107	2.00	1.66	
Toluene*	<0.050	0.050	08/11/2023	ND	2.09	104	2.00	2.87	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.00	99.9	2.00	2.04	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	5.98	99.7	6.00	1.54	
Total BTEX	<0.300	0.300	08/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.7 %* *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	**64.0**	16.0	08/14/2023	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	163	81.3	200	1.21	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	173	86.7	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane *91.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *107 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/11/2023	Sampling Date:	08/10/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	TIGER 11 FED 7H (07.10.23)	Sampling Condition:	Cool & Intact
Project Number:	2088	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 7 (2') (H234346-07)

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	08/11/2023	ND	2.15	107	2.00	1.66	
Toluene*	<0.050	0.050	08/11/2023	ND	2.09	104	2.00	2.87	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.00	99.9	2.00	2.04	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	5.98	99.7	6.00	1.54	
Total BTEX	<0.300	0.300	08/11/2023	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	**48.0**	16.0	08/14/2023	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	163	81.3	200	1.21	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	173	86.7	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane *93.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *109 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/11/2023	Sampling Date:	08/10/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	TIGER 11 FED 7H (07.10.23)	Sampling Condition:	Cool & Intact
Project Number:	2088	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 8 (2') (H234346-08)

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	08/11/2023	ND	2.15	107	2.00	1.66	
Toluene*	<0.050	0.050	08/11/2023	ND	2.09	104	2.00	2.87	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.00	99.9	2.00	2.04	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	5.98	99.7	6.00	1.54	
Total BTEX	<0.300	0.300	08/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.0 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	08/14/2023	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	163	81.3	200	1.21	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	173	86.7	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane *89.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *107 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/11/2023	Sampling Date:	08/10/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	TIGER 11 FED 7H (07.10.23)	Sampling Condition:	Cool & Intact
Project Number:	2088	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 9 (2') (H234346-09)

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	08/11/2023	ND	2.15	107	2.00	1.66	
Toluene*	<0.050	0.050	08/11/2023	ND	2.09	104	2.00	2.87	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.00	99.9	2.00	2.04	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	5.98	99.7	6.00	1.54	
Total BTEX	<0.300	0.300	08/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.4 %* *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	08/14/2023	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	163	81.3	200	1.21	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	173	86.7	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane *89.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *103 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/11/2023	Sampling Date:	08/10/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	TIGER 11 FED 7H (07.10.23)	Sampling Condition:	Cool & Intact
Project Number:	2088	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 10 (2') (H234346-10)

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	08/11/2023	ND	2.15	107	2.00	1.66	
Toluene*	<0.050	0.050	08/11/2023	ND	2.09	104	2.00	2.87	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.00	99.9	2.00	2.04	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	5.98	99.7	6.00	1.54	
Total BTEX	<0.300	0.300	08/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.8 %* *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	**64.0**	16.0	08/14/2023	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	163	81.3	200	1.21	
DRO >C10-C28*	**11.0**	10.0	08/11/2023	ND	173	86.7	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane *88.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/11/2023	Sampling Date:	08/10/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	TIGER 11 FED 7H (07.10.23)	Sampling Condition:	Cool & Intact
Project Number:	2088	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: CS - 11 (2') (H234346-11)

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	08/11/2023	ND	2.15	107	2.00	1.66	
Toluene*	<0.050	0.050	08/11/2023	ND	2.09	104	2.00	2.87	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.00	99.9	2.00	2.04	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	5.98	99.7	6.00	1.54	
Total BTEX	<0.300	0.300	08/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.2 %* *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	08/14/2023	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	163	81.3	200	1.21	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	173	86.7	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane *88.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *49.1-148*

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CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/11/2023	Sampling Date:	08/10/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	TIGER 11 FED 7H (07.10.23)	Sampling Condition:	Cool & Intact
Project Number:	2088	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: SW - 1 (2') (H234346-12)

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	08/11/2023	ND	2.15	107	2.00	1.66	
Toluene*	<0.050	0.050	08/11/2023	ND	2.09	104	2.00	2.87	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.00	99.9	2.00	2.04	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	5.98	99.7	6.00	1.54	
Total BTEX	<0.300	0.300	08/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.7 %* *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	08/14/2023	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	163	81.3	200	1.21	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	173	86.7	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane *91.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *105 %* *49.1-148*

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Analytical Results For:

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

Received:	08/11/2023	Sampling Date:	08/10/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	TIGER 11 FED 7H (07.10.23)	Sampling Condition:	Cool & Intact
Project Number:	2088	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: SW - 2 (2') (H234346-13)

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	08/11/2023	ND	2.15	107	2.00	1.66	
Toluene*	<0.050	0.050	08/11/2023	ND	2.09	104	2.00	2.87	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.00	99.9	2.00	2.04	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	5.98	99.7	6.00	1.54	
Total BTEX	<0.300	0.300	08/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.5 %* *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	**32.0**	16.0	08/14/2023	ND	400	100	400	3.92	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	163	81.3	200	1.21	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	173	86.7	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane *92.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *106 %* *49.1-148*

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Analytical Results For:

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

Received:	08/11/2023	Sampling Date:	08/10/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	TIGER 11 FED 7H (07.10.23)	Sampling Condition:	Cool & Intact
Project Number:	2088	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: SW - 3 (2') (H234346-14)

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	08/11/2023	ND	2.15	107	2.00	1.66	
Toluene*	<0.050	0.050	08/11/2023	ND	2.09	104	2.00	2.87	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.00	99.9	2.00	2.04	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	5.98	99.7	6.00	1.54	
Total BTEX	<0.300	0.300	08/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.3 %* *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	**240**	16.0	08/14/2023	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	163	81.3	200	1.21	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	173	86.7	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane *94.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *110 %* *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:	08/11/2023	Sampling Date:	08/10/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	TIGER 11 FED 7H (07.10.23)	Sampling Condition:	Cool & Intact
Project Number:	2088	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: SW - 4 (2') (H234346-15)

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	08/11/2023	ND	2.15	107	2.00	1.66	
Toluene*	<0.050	0.050	08/11/2023	ND	2.09	104	2.00	2.87	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.00	99.9	2.00	2.04	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	5.98	99.7	6.00	1.54	
Total BTEX	<0.300	0.300	08/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.8 %* *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	**176**	16.0	08/14/2023	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	163	81.3	200	1.21	
DRO >C10-C28*	**59.2**	10.0	08/11/2023	ND	173	86.7	200	2.12	
EXT DRO >C28-C36	**13.2**	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane *89.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *98.8 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/11/2023	Sampling Date:	08/10/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	TIGER 11 FED 7H (07.10.23)	Sampling Condition:	Cool & Intact
Project Number:	2088	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: SW - 5 (2') (H234346-16)

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	08/11/2023	ND	2.08	104	2.00	3.99	
Toluene*	<0.050	0.050	08/11/2023	ND	2.01	100	2.00	5.73	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.04	102	2.00	4.62	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	6.15	102	6.00	4.61	
Total BTEX	<0.300	0.300	08/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *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	08/14/2023	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	163	81.3	200	1.21	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	173	86.7	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane *88.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *100 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/11/2023	Sampling Date:	08/10/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	TIGER 11 FED 7H (07.10.23)	Sampling Condition:	Cool & Intact
Project Number:	2088	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: SW - 6 (2') (H234346-17)

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	08/11/2023	ND	2.08	104	2.00	3.99	
Toluene*	<0.050	0.050	08/11/2023	ND	2.01	100	2.00	5.73	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.04	102	2.00	4.62	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	6.15	102	6.00	4.61	
Total BTEX	<0.300	0.300	08/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *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	**80.0**	16.0	08/14/2023	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	163	81.3	200	1.21	
DRO >C10-C28*	**85.6**	10.0	08/11/2023	ND	173	86.7	200	2.12	
EXT DRO >C28-C36	**31.4**	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane *91.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *105 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/11/2023	Sampling Date:	08/10/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	TIGER 11 FED 7H (07.10.23)	Sampling Condition:	Cool & Intact
Project Number:	2088	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: SW - 7 (2') (H234346-18)

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	08/11/2023	ND	2.08	104	2.00	3.99	
Toluene*	<0.050	0.050	08/11/2023	ND	2.01	100	2.00	5.73	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.04	102	2.00	4.62	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	6.15	102	6.00	4.61	
Total BTEX	<0.300	0.300	08/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	08/14/2023	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	163	81.3	200	1.21	
DRO >C10-C28*	**19.3**	10.0	08/11/2023	ND	173	86.7	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane *89.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *104 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	08/11/2023	Sampling Date:	08/10/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	TIGER 11 FED 7H (07.10.23)	Sampling Condition:	Cool & Intact
Project Number:	2088	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: SW - 8 (2') (H234346-19)

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	08/11/2023	ND	2.08	104	2.00	3.99	
Toluene*	<0.050	0.050	08/11/2023	ND	2.01	100	2.00	5.73	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.04	102	2.00	4.62	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	6.15	102	6.00	4.61	
Total BTEX	<0.300	0.300	08/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	08/14/2023	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	163	81.3	200	1.21	
DRO >C10-C28*	**37.3**	10.0	08/11/2023	ND	173	86.7	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane *88.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *105 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/11/2023	Sampling Date:	08/10/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	TIGER 11 FED 7H (07.10.23)	Sampling Condition:	Cool & Intact
Project Number:	2088	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: SW - 9 (2') (H234346-20)

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	08/11/2023	ND	2.08	104	2.00	3.99	
Toluene*	<0.050	0.050	08/11/2023	ND	2.01	100	2.00	5.73	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.04	102	2.00	4.62	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	6.15	102	6.00	4.61	
Total BTEX	<0.300	0.300	08/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *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	08/14/2023	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2023	ND	163	81.3	200	1.21	
DRO >C10-C28*	<10.0	10.0	08/12/2023	ND	173	86.7	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	08/12/2023	ND					

Surrogate: 1-Chlorooctane *87.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *103 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/11/2023	Sampling Date:	08/10/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	TIGER 11 FED 7H (07.10.23)	Sampling Condition:	Cool & Intact
Project Number:	2088	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: SW - 10 (2') (H234346-21)

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	08/11/2023	ND	2.08	104	2.00	3.99	
Toluene*	<0.050	0.050	08/11/2023	ND	2.01	100	2.00	5.73	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.04	102	2.00	4.62	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	6.15	102	6.00	4.61	
Total BTEX	<0.300	0.300	08/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *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	08/14/2023	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	180	90.2	200	7.92	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	185	92.3	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane *105 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *121 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	08/11/2023	Sampling Date:	08/10/2023
Reported:	08/14/2023	Sampling Type:	Soil
Project Name:	TIGER 11 FED 7H (07.10.23)	Sampling Condition:	Cool & Intact
Project Number:	2088	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: SW - 11 (2') (H234346-22)

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	08/11/2023	ND	2.08	104	2.00	3.99	
Toluene*	<0.050	0.050	08/11/2023	ND	2.01	100	2.00	5.73	
Ethylbenzene*	<0.050	0.050	08/11/2023	ND	2.04	102	2.00	4.62	
Total Xylenes*	<0.150	0.150	08/11/2023	ND	6.15	102	6.00	4.61	
Total BTEX	<0.300	0.300	08/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *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	08/14/2023	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2023	ND	180	90.2	200	7.92	
DRO >C10-C28*	<10.0	10.0	08/11/2023	ND	185	92.3	200	9.47	
EXT DRO >C28-C36	<10.0	10.0	08/11/2023	ND					

Surrogate: 1-Chlorooctane *107 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *125 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H234346

Page 1 of 3

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

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Tiger 11 Fed 7H (07.10.23)	Turn Around	
Project Number:	2088	☐ Routine ☑ Rush	
Project Location	Lea County, New Mexico	Due Date:	24 Hrs
Sampler's Name:	KB		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	140
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	0.4°c
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	Sample Comments
CS-1 (2')	8/10/2023		X		Comp	1		X	X	X	1
CS-2 (2')	8/10/2023		X		Comp	1		X	X	X	2
CS-3 (2')	8/10/2023		X		Comp	1		X	X	X	3
CS-4 (2')	8/10/2023		X		Comp	1		X	X	X	4
CS-5 (2')	8/10/2023		X		Comp	1		X	X	X	5
CS-6 (2')	8/10/2023		X		Comp	1		X	X	X	6
CS-7 (2')	8/10/2023		X		Comp	1		X	X	X	7
CS-8 (2')	8/10/2023		X		Comp	1		X	X	X	8
CS-9 (2')	8/10/2023		X		Comp	1		X	X	X	9
CS-10 (2')	8/10/2023		X		Comp	1		X	X	X	10

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	8-11-23 1233		

Chain of Custody

Work Order No: H234346

Page 2 of 3

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

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Tiger 11 Fed 7H (07.10.23)	Turn Around	
Project Number:	2088	☐ Routine ☑ Rush	
Project Location	Lea County, New Mexico	Due Date:	24 Hrs
Sampler's Name:	KB		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	T40
Cooler Custody Seals:	Yes No N/A	Correction Factor:	—
Sample Custody Seals:	Yes No N/A	Temperature Reading:	0.4
Total Containers:		Corrected Temperature:	—

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	Sample Comments
CS-11 (2')	8/10/2023		X		Comp	1	X	X	X	11
SW-1 (2')	8/10/2023		X		Comp	1	X	X	X	12
SW-2 (2')	8/10/2023		X		Comp	1	X	X	X	13
SW-3 (2')	8/10/2023		X		Comp	1	X	X	X	14
SW-4 (2')	8/10/2023		X		Comp	1	X	X	X	15
SW-5 (2')	8/10/2023		X		Comp	1	X	X	X	16
SW-6 (2')	8/10/2023		X		Comp	1	X	X	X	17
SW-7 (2')	8/10/2023		X		Comp	1	X	X	X	18
SW-8 (2')	8/10/2023		X		Comp	1	X	X	X	19
SW-9 (2')	8/10/2023		X		Comp	1	X	X	X	20

Preservative Codes

None: NO — DI Water: H_2O

Cool: Cool — MeOH: Me

HCL: HC — HNO_3: HN

H_2S0_4: H_2 — NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	8-11-23 1233		

Chain of Custody

Work Order No: H234346

Page 3 of 3

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

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Tiger 11 Fed 7H (07.10.23)	Turn Around	☐ Routine ☑ Rush
Project Number:	2088	Due Date:	24 Hrs
Project Location	Lea County, New Mexico		
Sampler's Name:	KB		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	140
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	0.4°
Total Containers:		Corrected Temperature:	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	Sample Comments
SW-10 (2')	8/10/2023		X		Comp	1		X	X	X	21
SW-11 (2')	8/10/2023		X		Comp	1		X	X	X	22

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	8-11-23 1533		

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/16/2023 12:35:52 PM

JOB DESCRIPTION

Tiger 11 Fed 7H (7.10.23)
SDG NUMBER Lea County New Mexico

JOB NUMBER

880-32018-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

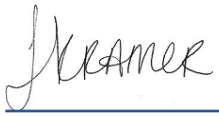
Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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8/16/2023 12:35:52 PM

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

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (7.10.23)

Laboratory Job ID: 880-32018-1
SDG: Lea County New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (7.10.23)

Job ID: 880-32018-1
SDG: Lea County New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (7.10.23)

Job ID: 880-32018-1
SDG: Lea County New Mexico

Job ID: 880-32018-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-32018-1

Receipt
The samples were received on 8/14/2023 2:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.6°C

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: SW-6 (2') (880-32018-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-32031-A-21-A) and (880-32031-A-21-B MS). 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: CS-1 (2.25') (880-32018-1) and SW-6 (2') (880-32018-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-60233 recovered below the lower control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-60233/5).

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: Tiger 11 Fed 7H (7.10.23)

Job ID: 880-32018-1
SDG: Lea County New Mexico

Client Sample ID: CS-1 (2.25')

Date Collected: 08/14/23 00:00
Date Received: 08/14/23 14:50

Lab Sample ID: 880-32018-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/15/23 09:13	08/15/23 12:20	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/15/23 09:13	08/15/23 12:20	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/15/23 09:13	08/15/23 12:20	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/15/23 09:13	08/15/23 12:20	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/15/23 09:13	08/15/23 12:20	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/15/23 09:13	08/15/23 12:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*	*08/15/23 09:13*	*08/15/23 12:20*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*08/15/23 09:13*	*08/15/23 12:20*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/15/23 17:09	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			08/16/23 11:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/15/23 09:19	08/15/23 18:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/15/23 09:19	08/15/23 18:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/15/23 09:19	08/15/23 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*08/15/23 09:19*	*08/15/23 18:36*	*1*
o-Terphenyl	*69*	*S1-*	*70 - 130*	*08/15/23 09:19*	*08/15/23 18:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**60.0**		5.02		mg/Kg			08/15/23 03:19	1

Client Sample ID: CS-5 (2.25')

Date Collected: 08/14/23 00:00
Date Received: 08/14/23 14:50

Lab Sample ID: 880-32018-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/15/23 09:13	08/15/23 12:41	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/15/23 09:13	08/15/23 12:41	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/15/23 09:13	08/15/23 12:41	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/15/23 09:13	08/15/23 12:41	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/15/23 09:13	08/15/23 12:41	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/15/23 09:13	08/15/23 12:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*08/15/23 09:13*	*08/15/23 12:41*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*08/15/23 09:13*	*08/15/23 12:41*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (7.10.23)

Job ID: 880-32018-1
SDG: Lea County New Mexico

Client Sample ID: CS-5 (2.25')

Date Collected: 08/14/23 00:00
Date Received: 08/14/23 14:50

Lab Sample ID: 880-32018-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/16/23 11:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/15/23 09:19	08/15/23 18:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/15/23 09:19	08/15/23 18:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/15/23 09:19	08/15/23 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*08/15/23 09:19*	*08/15/23 18:58*	*1*
o-Terphenyl	*72*		*70 - 130*	*08/15/23 09:19*	*08/15/23 18:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**48.9**		4.97		mg/Kg			08/15/23 03:40	1

Client Sample ID: SW-6 (2')

Date Collected: 08/14/23 00:00
Date Received: 08/14/23 14:50

Lab Sample ID: 880-32018-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/15/23 09:13	08/15/23 13:01	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/15/23 09:13	08/15/23 13:01	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/15/23 09:13	08/15/23 13:01	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/15/23 09:13	08/15/23 13:01	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/15/23 09:13	08/15/23 13:01	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/15/23 09:13	08/15/23 13:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*08/15/23 09:13*	*08/15/23 13:01*	*1*
1,4-Difluorobenzene (Surr)	*65*	*S1-*	*70 - 130*	*08/15/23 09:13*	*08/15/23 13:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/15/23 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			08/16/23 11:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/15/23 09:19	08/15/23 19:22	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		08/15/23 09:19	08/15/23 19:22	1

Client Sample Results

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (7.10.23)

Job ID: 880-32018-1
SDG: Lea County New Mexico

Client Sample ID: SW-6 (2')

Date Collected: 08/14/23 00:00
Date Received: 08/14/23 14:50

Lab Sample ID: 880-32018-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/15/23 09:19	08/15/23 19:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*71*		*70 - 130*	*08/15/23 09:19*	*08/15/23 19:22*	*1*
o-Terphenyl	*63*	*S1-*	*70 - 130*	*08/15/23 09:19*	*08/15/23 19:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**57.4**		4.96		mg/Kg			08/15/23 03:47	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (7.10.23)

Job ID: 880-32018-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-32018-1	CS-1 (2.25')	77	80
880-32018-1 MS	CS-1 (2.25')	124	121
880-32018-1 MSD	CS-1 (2.25')	119	119
880-32018-2	CS-5 (2.25')	93	81
880-32018-3	SW-6 (2')	93	65 S1-
LCS 880-60246/1-A	Lab Control Sample	126	113
LCSD 880-60246/2-A	Lab Control Sample Dup	121	120
MB 880-60246/5-A	Method Blank	70	83

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-32018-1	CS-1 (2.25')	72	69 S1-
880-32018-2	CS-5 (2.25')	75	72
880-32018-3	SW-6 (2')	71	63 S1-
880-32031-A-21-B MS	Matrix Spike	82	64 S1-
880-32031-A-21-C MSD	Matrix Spike Duplicate	96	79
LCS 880-60248/2-A	Lab Control Sample	95	87
LCSD 880-60248/3-A	Lab Control Sample Dup	87	80
MB 880-60248/1-A	Method Blank	80	81

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (7.10.23)

Job ID: 880-32018-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-60246/5-A
Matrix: Solid
Analysis Batch: 60240

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60246

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/15/23 09:13	08/15/23 11:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/15/23 09:13	08/15/23 11:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/15/23 09:13	08/15/23 11:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/15/23 09:13	08/15/23 11:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/15/23 09:13	08/15/23 11:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/15/23 09:13	08/15/23 11:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*70*		*70 - 130*	*08/15/23 09:13*	*08/15/23 11:58*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*08/15/23 09:13*	*08/15/23 11:58*	*1*

Lab Sample ID: LCS 880-60246/1-A
Matrix: Solid
Analysis Batch: 60240

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60246

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08741		mg/Kg		87	70 - 130
Toluene	0.100	0.1021		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.1092		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.2436		mg/Kg		122	70 - 130
o-Xylene	0.100	0.1196		mg/Kg		120	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*

Lab Sample ID: LCSD 880-60246/2-A
Matrix: Solid
Analysis Batch: 60240

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 60246

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08410		mg/Kg		84	70 - 130	4	35
Toluene	0.100	0.09120		mg/Kg		91	70 - 130	11	35
Ethylbenzene	0.100	0.09689		mg/Kg		97	70 - 130	12	35
m-Xylene & p-Xylene	0.200	0.2162		mg/Kg		108	70 - 130	12	35
o-Xylene	0.100	0.1060		mg/Kg		106	70 - 130	12	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*

Lab Sample ID: 880-32018-1 MS
Matrix: Solid
Analysis Batch: 60240

Client Sample ID: CS-1 (2.25')
Prep Type: Total/NA
Prep Batch: 60246

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.0996	0.08785		mg/Kg		88	70 - 130
Toluene	<0.00202	U	0.0996	0.09319		mg/Kg		94	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (7.10.23)

Job ID: 880-32018-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-32018-1 MS
Matrix: Solid
Analysis Batch: 60240

Client Sample ID: CS-1 (2.25')
Prep Type: Total/NA
Prep Batch: 60246

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U	0.0996	0.09535		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.199	0.2073		mg/Kg		104	70 - 130
o-Xylene	<0.00202	U	0.0996	0.1004		mg/Kg		101	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*
1,4-Difluorobenzene (Surr)	*121*		*70 - 130*

Lab Sample ID: 880-32018-1 MSD
Matrix: Solid
Analysis Batch: 60240

Client Sample ID: CS-1 (2.25')
Prep Type: Total/NA
Prep Batch: 60246

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0994	0.08584		mg/Kg		86	70 - 130	2	35
Toluene	<0.00202	U	0.0994	0.09212		mg/Kg		93	70 - 130	1	35
Ethylbenzene	<0.00202	U	0.0994	0.08989		mg/Kg		90	70 - 130	6	35
m-Xylene & p-Xylene	<0.00403	U	0.199	0.1947		mg/Kg		98	70 - 130	6	35
o-Xylene	<0.00202	U	0.0994	0.09447		mg/Kg		95	70 - 130	6	35

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

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

Lab Sample ID: MB 880-60248/1-A
Matrix: Solid
Analysis Batch: 60233

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 60248

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		08/15/23 08:00	08/15/23 08:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/15/23 08:00	08/15/23 08:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/15/23 08:00	08/15/23 08:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*08/15/23 08:00*	*08/15/23 08:28*	*1*
o-Terphenyl	*81*		*70 - 130*	*08/15/23 08:00*	*08/15/23 08:28*	*1*

Lab Sample ID: LCS 880-60248/2-A
Matrix: Solid
Analysis Batch: 60233

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60248

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	877.7		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	1000	833.7		mg/Kg		83	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (7.10.23)

Job ID: 880-32018-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-60248/2-A
Matrix: Solid
Analysis Batch: 60233

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 60248

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	87		70 - 130

Lab Sample ID: LCSD 880-60248/3-A
Matrix: Solid
Analysis Batch: 60233

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 60248

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	800.9		mg/Kg		80	70 - 130	9	20
Diesel Range Organics (Over C10-C28)			1000	800.6		mg/Kg		80	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	80		70 - 130

Lab Sample ID: 880-32031-A-21-B MS
Matrix: Solid
Analysis Batch: 60233

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 60248

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	998	766.0		mg/Kg		74	70 - 130
Diesel Range Organics (Over C10-C28)	<50.2	U	998	723.2		mg/Kg		70	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	82		70 - 130
o-Terphenyl	64	S1-	70 - 130

Lab Sample ID: 880-32031-A-21-C MSD
Matrix: Solid
Analysis Batch: 60233

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 60248

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	998	896.2		mg/Kg		87	70 - 130	16	20
Diesel Range Organics (Over C10-C28)	<50.2	U	998	884.2		mg/Kg		86	70 - 130	20	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	79		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (7.10.23)

Job ID: 880-32018-1
SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-60092/1-A
Matrix: Solid
Analysis Batch: 60268

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			08/15/23 01:17	1

Lab Sample ID: LCS 880-60092/2-A
Matrix: Solid
Analysis Batch: 60268

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	257.5		mg/Kg		103	90 - 110		

Lab Sample ID: LCSD 880-60092/3-A
Matrix: Solid
Analysis Batch: 60268

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	258.5		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-32018-1 MS
Matrix: Solid
Analysis Batch: 60268

Client Sample ID: CS-1 (2.25')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	60.0		251	303.1		mg/Kg		97	90 - 110		

Lab Sample ID: 880-32018-1 MSD
Matrix: Solid
Analysis Batch: 60268

Client Sample ID: CS-1 (2.25')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	60.0		251	303.7		mg/Kg		97	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (7.10.23)

Job ID: 880-32018-1
SDG: Lea County New Mexico

GC VOA

Analysis Batch: 60240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32018-1	CS-1 (2.25')	Total/NA	Solid	8021B	60246
880-32018-2	CS-5 (2.25')	Total/NA	Solid	8021B	60246
880-32018-3	SW-6 (2')	Total/NA	Solid	8021B	60246
MB 880-60246/5-A	Method Blank	Total/NA	Solid	8021B	60246
LCS 880-60246/1-A	Lab Control Sample	Total/NA	Solid	8021B	60246
LCSD 880-60246/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	60246
880-32018-1 MS	CS-1 (2.25')	Total/NA	Solid	8021B	60246
880-32018-1 MSD	CS-1 (2.25')	Total/NA	Solid	8021B	60246

Prep Batch: 60246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32018-1	CS-1 (2.25')	Total/NA	Solid	5035	
880-32018-2	CS-5 (2.25')	Total/NA	Solid	5035	
880-32018-3	SW-6 (2')	Total/NA	Solid	5035	
MB 880-60246/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-60246/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-60246/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-32018-1 MS	CS-1 (2.25')	Total/NA	Solid	5035	
880-32018-1 MSD	CS-1 (2.25')	Total/NA	Solid	5035	

Analysis Batch: 60328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32018-1	CS-1 (2.25')	Total/NA	Solid	Total BTEX	
880-32018-2	CS-5 (2.25')	Total/NA	Solid	Total BTEX	
880-32018-3	SW-6 (2')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 60233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32018-1	CS-1 (2.25')	Total/NA	Solid	8015B NM	60248
880-32018-2	CS-5 (2.25')	Total/NA	Solid	8015B NM	60248
880-32018-3	SW-6 (2')	Total/NA	Solid	8015B NM	60248
MB 880-60248/1-A	Method Blank	Total/NA	Solid	8015B NM	60248
LCS 880-60248/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	60248
LCSD 880-60248/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	60248
880-32031-A-21-B MS	Matrix Spike	Total/NA	Solid	8015B NM	60248
880-32031-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	60248

Prep Batch: 60248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32018-1	CS-1 (2.25')	Total/NA	Solid	8015NM Prep	
880-32018-2	CS-5 (2.25')	Total/NA	Solid	8015NM Prep	
880-32018-3	SW-6 (2')	Total/NA	Solid	8015NM Prep	
MB 880-60248/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-60248/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-60248/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-32031-A-21-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-32031-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (7.10.23)

Job ID: 880-32018-1
SDG: Lea County New Mexico

GC Semi VOA

Analysis Batch: 60379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32018-1	CS-1 (2.25')	Total/NA	Solid	8015 NM	
880-32018-2	CS-5 (2.25')	Total/NA	Solid	8015 NM	
880-32018-3	SW-6 (2')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 60092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32018-1	CS-1 (2.25')	Soluble	Solid	DI Leach	
880-32018-2	CS-5 (2.25')	Soluble	Solid	DI Leach	
880-32018-3	SW-6 (2')	Soluble	Solid	DI Leach	
MB 880-60092/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-60092/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-60092/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-32018-1 MS	CS-1 (2.25')	Soluble	Solid	DI Leach	
880-32018-1 MSD	CS-1 (2.25')	Soluble	Solid	DI Leach	

Analysis Batch: 60268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32018-1	CS-1 (2.25')	Soluble	Solid	300.0	60092
880-32018-2	CS-5 (2.25')	Soluble	Solid	300.0	60092
880-32018-3	SW-6 (2')	Soluble	Solid	300.0	60092
MB 880-60092/1-A	Method Blank	Soluble	Solid	300.0	60092
LCS 880-60092/2-A	Lab Control Sample	Soluble	Solid	300.0	60092
LCSD 880-60092/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	60092
880-32018-1 MS	CS-1 (2.25')	Soluble	Solid	300.0	60092
880-32018-1 MSD	CS-1 (2.25')	Soluble	Solid	300.0	60092

Lab Chronicle

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (7.10.23)

Job ID: 880-32018-1
SDG: Lea County New Mexico

Client Sample ID: CS-1 (2.25')
Date Collected: 08/14/23 00:00
Date Received: 08/14/23 14:50

Lab Sample ID: 880-32018-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	60246	08/15/23 09:13	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60240	08/15/23 12:20	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60328	08/15/23 17:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			60379	08/16/23 11:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	60248	08/15/23 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60233	08/15/23 18:36	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	60092	08/14/23 15:12	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60268	08/15/23 03:19	SMC	EET MID

Client Sample ID: CS-5 (2.25')
Date Collected: 08/14/23 00:00
Date Received: 08/14/23 14:50

Lab Sample ID: 880-32018-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	60246	08/15/23 09:13	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60240	08/15/23 12:41	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60328	08/15/23 17:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			60379	08/16/23 11:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	60248	08/15/23 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60233	08/15/23 18:58	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	60092	08/14/23 15:12	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60268	08/15/23 03:40	SMC	EET MID

Client Sample ID: SW-6 (2')
Date Collected: 08/14/23 00:00
Date Received: 08/14/23 14:50

Lab Sample ID: 880-32018-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	60246	08/15/23 09:13	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	60240	08/15/23 13:01	SM	EET MID
Total/NA	Analysis	Total BTEX		1			60328	08/15/23 17:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			60379	08/16/23 11:05	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	60248	08/15/23 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	60233	08/15/23 19:22	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	60092	08/14/23 15:12	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	60268	08/15/23 03:47	SMC	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (7.10.23)

Job ID: 880-32018-1
SDG: Lea County New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

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

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

Method Summary

Client: Carmona Resources
Project/Site: Tiger 11 Fed 7H (7.10.23)

Job ID: 880-32018-1
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: Tiger 11 Fed 7H (7.10.23)

Job ID: 880-32018-1
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-32018-1	CS-1 (2.25')	Solid	08/14/23 00:00	08/14/23 14:50
880-32018-2	CS-5 (2.25')	Solid	08/14/23 00:00	08/14/23 14:50
880-32018-3	SW-6 (2')	Solid	08/14/23 00:00	08/14/23 14:50

Chain of Custody

880-32018 Chain of Custody

Page 1 of 1

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

Work Order Comments

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

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other

Project Name.	Tiger 11 Fed 7H (07 10.23)	Turn Around	
Project Number	2088	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date	24 Hrs
Sampler's Name	KB		
PO #:			

SAMPLE RECEIPT			
Temp Blank.	Yes No	Wet Ice	Yes No
Received Intact:	Yes No	Thermometer ID	IR99
Cooler Custody Seals	Yes No N/A	Correction Factor	-0.3
Sample Custody Seals.	Yes No N/A	Temperature Reading	-2.3
Total Containers.		Corrected Temperature	-2.6

ANALYSIS REQUEST

Preservative Codes

None NO DI Water H_2O
Cool Cool MeOH Me
HCL HC HNO_3 HN
H_2S0_4. H_2 NaOH Na
H_3PO_4 HP
$NaHSO_4$ NABIS
$Na_2S_2O_3$ $NaSO_3$
Zn Acetate+NaOH Zn
NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
CS-1 (2 25')	8/14/2023		X		Comp	1		X	X	X	
CS-5 (2 25')	8/14/2023		X		Comp	1		X	X	X	
SW-6 (2')	8/14/2023		X		Comp	1		X	X	X	

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	8-14-23		8 14 23
			1450

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-32018-1
SDG Number: Lea County New Mexico

Login Number: 32018
List Number: 1
Creator: Kramer, Jessica

List Source: Eurofins Midland

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

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 271833

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 271833
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	None	2/13/2024