CARMONA RESOURCES

SITE INFORMATION

Closure Report
Hermes Fee 910 TB
Incident #: NAPP2322723783
Eddy County, New Mexico
Unit P Sec 30 T23S R28E
32.269678°, -104.120128°

Production Fluid Release
Point of Release: Hammer union on wellhead
Release Date: 8/15/2023
Volume Released: 10 barrels of production fluid
Volume Recovered: 10 barrels of production fluid

CARMONA RESOURCES

Prepared for:
Marathon Oil Corporation
990 Town and Country Blvd,
Houston, Texas 77024

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

TABLE OF CONTENTS

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

CARMONA RESOURCES

October 3, 2023

Mike Bratcher
District Supervisor
Oil Conservation Division, District 2
811 S. First Street
Artesia, New Mexico 88210

Re: Closure Report
Hermes Fee 910 TB
Marathon Oil Corporation
NAPP2322723783
Site Location: Unit P, S30, T23S, R28E
(Lat 32.269678°, Long -104.120128°)
Eddy County, New Mexico

Mr. Bratcher:

On behalf of Marathon Oil Corporation (Marathon), Carmona Resource, LLC has prepared this letter to document additional site activities for the Hermes Fee 910 TB. The site is located at 32.269678°, -104.120128° within Unit P, S30, T23S, R28E in Eddy County, New Mexico.

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 August 15, 2023, due to a leak from a hammer union on the wellhead. It resulted in the release of approximately ten (10) barrels of production fluid, with ten (10) barrels of production fluid recovered. The impacted area was contained to the engineered pad. See Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a high karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there is one known water feature within a 0.50-mile radius of the location. The nearest identified well is approximately 0.37 miles South of the site in S31, T23S, R28E and was drilled in 1993. The well has a reported depth to groundwater of 56.75 feet below the ground surface (ft bgs). A copy of the associated Summary Report is attached in Appendix D of the report.

3.0 NMAC Regulatory Criteria

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

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

4.0 Site Assessment Activities

On August 24, 2023, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. To assess the vertical extent, three (3) sample points (S-1 through S-3) and five (5) horizontal points (H-1 through H-5) were advanced to depths ranging from surface to 1’ bgs inside and surrounding the release areas to evaluate the vertical and horizontal 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 in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified

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

benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

Refer to Table 1 for analytical results.

5.0 Remediation Activities

Before excavation activities occurred, all lines were hydro-vacced and hand-spotted with shovels to ensure all contamination was removed safely. Carmona Resources personnel were on site to guide the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via email on September 22, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. After all hazards were identified, the area of S-1 was excavated to a depth of 1.5' below the surface, and the areas of S-2 through S-3 were excavated to a depth of 1.0' below the surface to remove all the impacted soils. A total of eighteen (18) floor confirmation samples were collected (CS-1 through CS-18), and seventeen (17) sidewall samples (SW-1 through SW-17) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

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

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 147 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 Marathon formally requests the closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely,

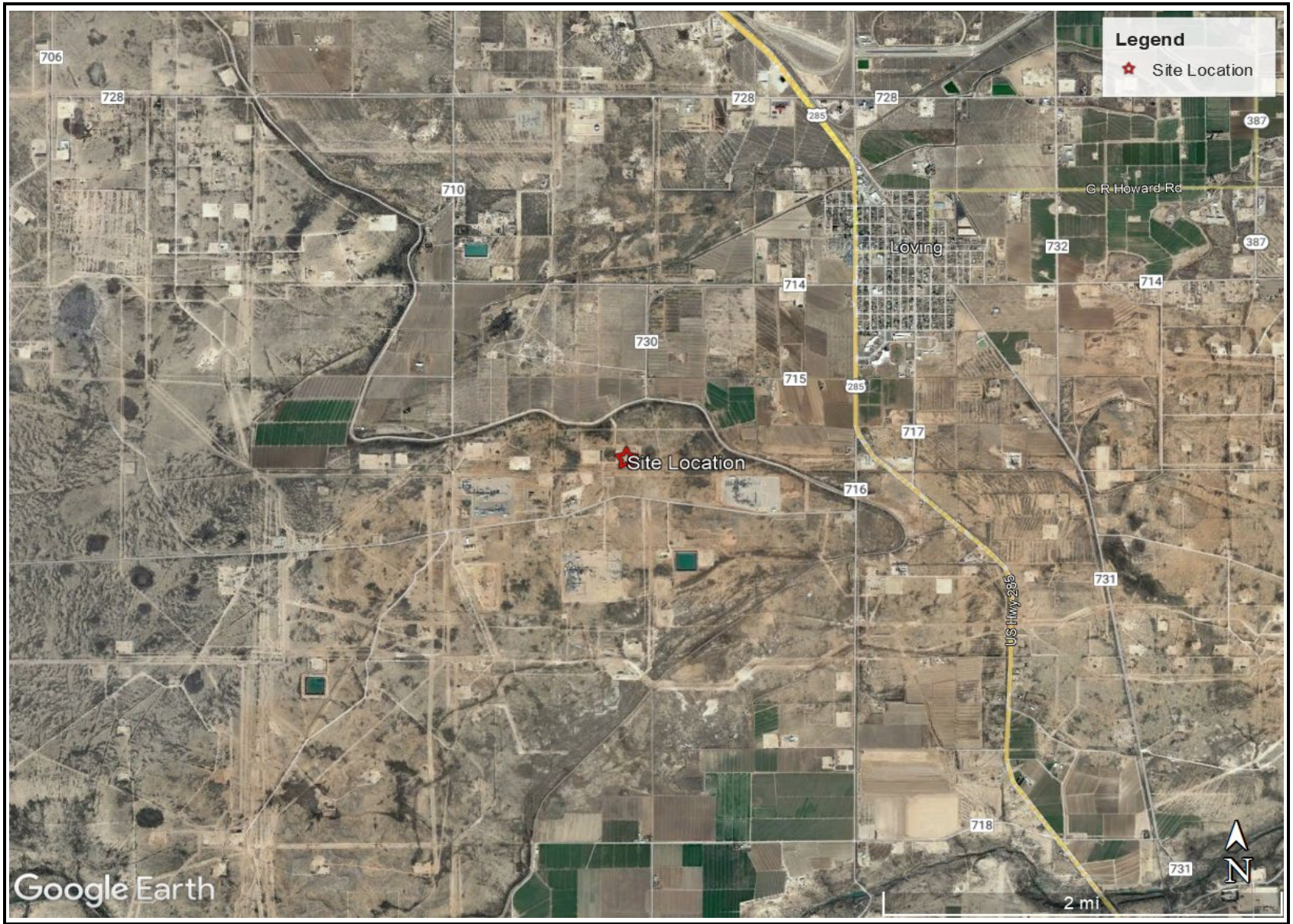
Carmona Resources, LLC

Mike Carmona
Environmental Manager

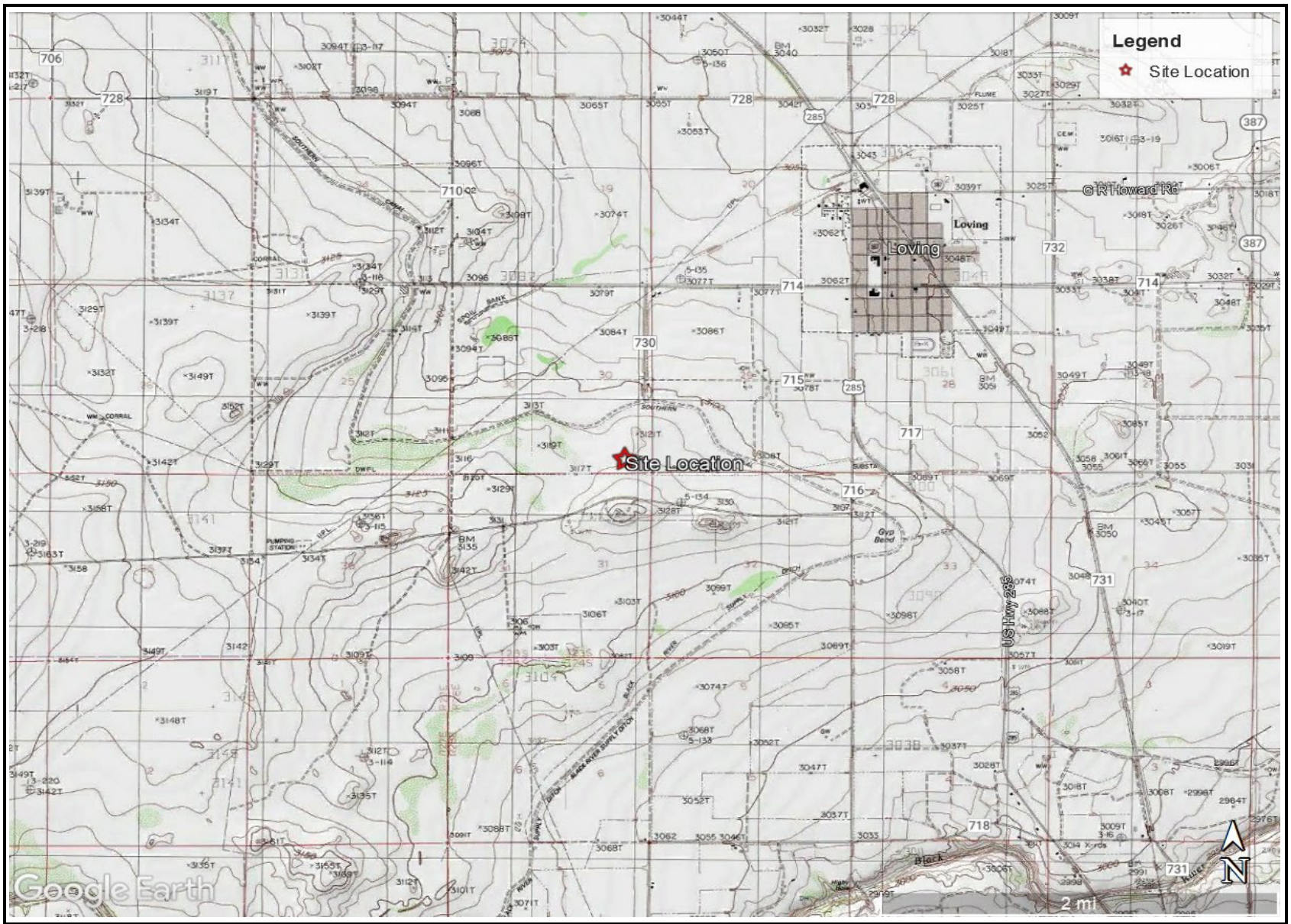
Clinton Merritt
Sr. Project Manager

FIGURES

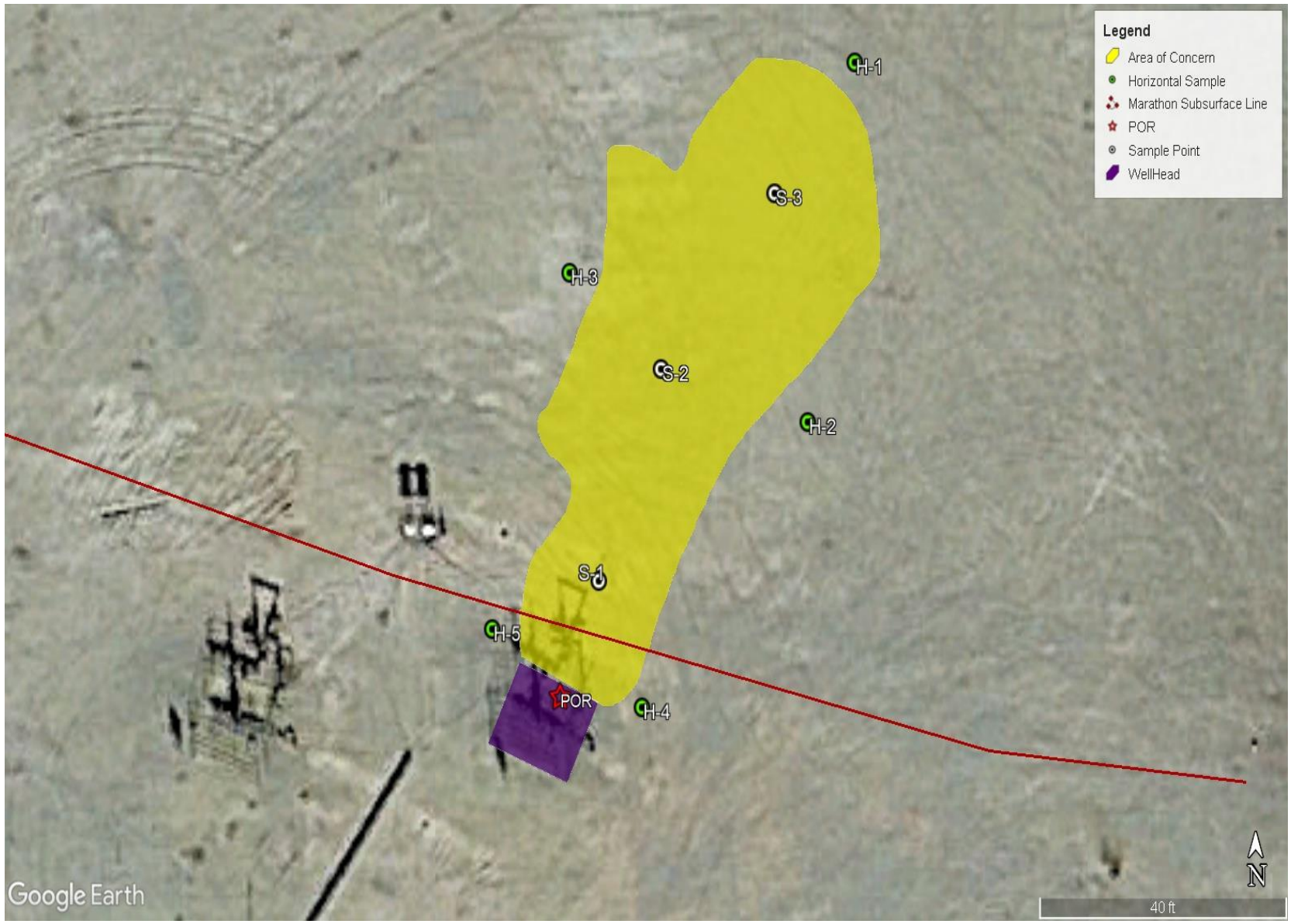
CARMONA RESOURCES



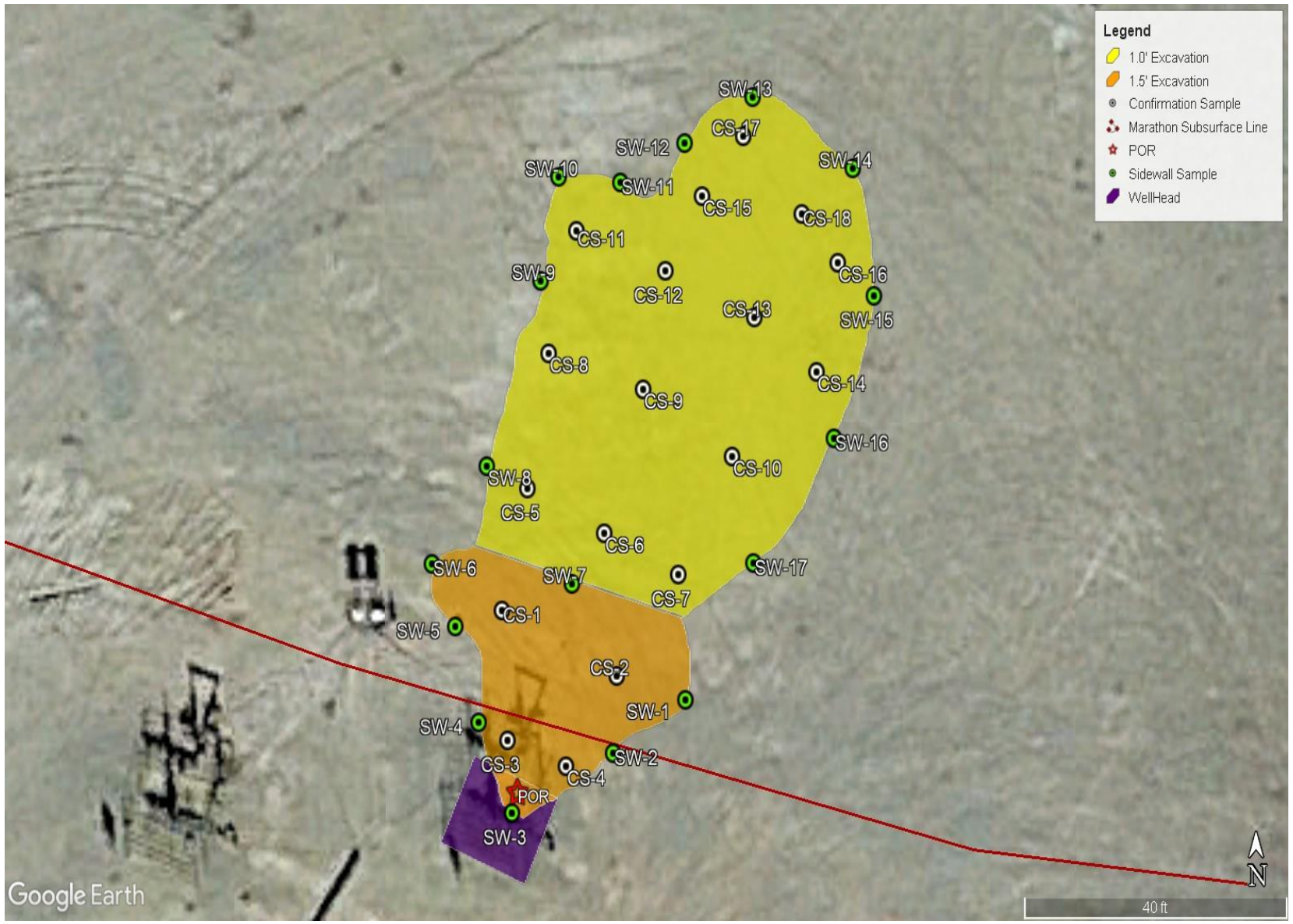
OVERVIEW MAP MARATHON OIL CORPORATION HERMES FEE 910 TB EDDY COUNTY, NEW MEXICO 32.269678°, -104.120128°	CARMONA RESOURCES	FIGURE 1



TOPOGRAPHIC MAP MARATHON OIL CORPORATION HERMES FEE 910 TB EDDY COUNTY, NEW MEXICO 32.269678°, -104.120128°	CARMONA RESOURCES	FIGURE 2



SAMPLE LOCATION MAP MARATHON OIL CORPORATION HERMES FEE 910 TB EDDY COUNTY, NEW MEXICO 32.269678°, -104.120128°	CARMONA RESOURCES	FIGURE 3



EXCAVATION MAP MARATHON OIL CORPORATION HERMES FEE 910 TB EDDY COUNTY, NEW MEXICO 32.269678°, -104.120128°	CARMONA RESOURCES	FIGURE 4

APPENDIX A

CARMONA RESOURCES

Table 1
Marathon Oil CO.
Hermes Fee 910 TB
Eddy 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	8/24/233	0-0.5	**1,610**	**18,200**	<252	**19,800**	0.244	3.50	2.52	18.7	25.0	**4,270**
	"	1.0	<50.1	**670**	<50.1	**670**	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	139
S-2	8/24/2023	0-0.5	<50.5	**557**	<50.5	**557**	<0.00200	<0.00200	<0.00200	0.00972	0.00972	124
	"	1.0	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	113
S-3	8/24/2023	0-0.5	<50.3	**108**	<50.3	**108**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	46.0
	"	1.0	<50.3	<50.3	<50.3	<50.3	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	124
Regulatory Criteria [A]						**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**

(-) Not Analyzed

[A] – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(S) Sample Point

Removed

Table 1
Marathon Oil CO.
Hermes Fee 910 TB
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	8/24/2023	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	111
H-2	8/24/2023	0-0.5	<50.2	<50.2	<50.2	<50.2	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	112
H-3	8/24/2023	0-0.5	<50.4	<50.4	<50.4	<50.4	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	107
H-4	8/24/2023	0-0.5	<49.5	99.4	<49.5	99.4	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	90.9
H-5	8/24/2023	0-0.5	<50.3	69.3	<50.3	69.3	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	125
Regulatory Criteria [A]						**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**

(-) Not Analyzed

[A] – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(S) Sample Point

(H) Horizontals

Table 2
Marathon Oil Corporation
Hermes Fee 910 TB
Eddy 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	9/26/2023	1.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	185
CS-2	9/26/2023	1.5	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	123
CS-3	9/26/2023	1.5	<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	170
CS-4	9/26/2023	1.5	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	149
CS-5	9/26/2023	1.0	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	177
CS-6	9/26/2023	1.0	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	180
CS-7	9/26/2023	1.0	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	97.7
CS-8	9/26/2023	1.0	<49.5	<49.5	<49.5	<49.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	131
CS-9	9/26/2023	1.0	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	113
CS-10	9/26/2023	1.0	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	125
CS-11	9/26/2023	1.0	<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	197
CS-12	9/26/2023	1.0	<50.4	<50.4	<50.4	<50.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	73.8
CS-13	9/26/2023	1.0	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	110
CS-14	9/26/2023	1.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	143
CS-15	9/26/2023	1.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	190
CS-16	9/26/2023	1.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	144
CS-17	9/26/2023	1.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	132
CS-18	9/26/2023	1.0	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	133
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

Table 2
Marathon Oil Corporation
Hermes Fee 910 TB
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	9/26/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	108
SW-2	9/26/2023	1.5	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	129
SW-3	9/26/2023	1.5	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	0.00409	0.00409	179
SW-4	9/26/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	0.00555	0.00906	0.0146	75.3
SW-5	9/26/2023	1.5	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	115
SW-6	9/26/2023	1.5	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	140
SW-7	9/26/2023	1.5	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	188
SW-8	9/26/2023	1.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	116
SW-9	9/26/2023	1.0	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	166
SW-10	9/26/2023	1.0	<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	160
SW-11	9/26/2023	1.0	<50.4	<50.4	<50.4	<50.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	118
SW-12	9/26/2023	1.0	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	61.9
SW-13	9/26/2023	1.0	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	143
SW-14	9/26/2023	1.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	232
SW-15	9/26/2023	1.0	<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	245
SW-16	9/26/2023	1.0	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	246
SW-17	9/26/2023	1.0	<49.6	<49.6	<49.6	<49.6	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	222
Regulatory Criteria [A]						**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**

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

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Marathon Oil Corporation

Photograph No. 1

Facility: Hermes Fee 910 TB

County: Eddy County, New Mexico

Description:
View North of sample points CS-1 through CS-11.

Photograph No. 2

Facility: Hermes Fee 910 TB

County: Eddy County, New Mexico

Description:
View West of sample points CS-5 through CS-10.

Photograph No. 3

Facility: Hermes Fee 910 TB

County: Eddy County, New Mexico

Description:
View Northeast of sample points CS-10 through CS-18.

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	nAPP2322723783
District RP	
Facility ID	fAPP2126332130
Application ID	

Release Notification

Responsible Party

Responsible Party Marathon Oil Permian LLC	OGRID 372098
Contact Name Melodie Sanjari	Contact Telephone 575-988-8753
Contact email msanjari@marathonoil.com	Incident # *(assigned by OCD)*
Contact mailing address 4111 S. Tidwell Rd., Carlsbad, NM 88220	

Location of Release Source

Latitude 32.269678 Longitude -104.120128
(NAD 83 in decimal degrees to 5 decimal places)

Site Name HERMES FEE 910 TB	Site Type Oil & Gas Facility
Date Release Discovered: 8/15/2023	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
P	30	23S	28E	Eddy

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) 10 bbl. Production Fluid from Wellhead	Volume/Weight Recovered (provide units) 10 bbl. Production Fluid from Wellhead

Cause of Release
HES Technician arrived on location to a leak coming from a loose hammer union on the 10H wellhead after it was handed over from workover that afternoon. It resulted in the release of fluid into the wellhead's cellar and an overspray around the wellhead itself. Approx. 10 bbl. of produced fluids (mixture of produced water & condensate) was released and recovered from the cellar.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2322723783
District RP	
Facility ID	fAPP2126332130
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: Melodie Sanjari Title: Environmental Professional

Signature: Melodie Sanjari Date: 8/15/2023

email: msanjari@marathonoil.com Telephone: 575-988-8753

OCD Only

Received by: _____ Date: _____

CC: 24693800

Duke
Oilfield Services, LLC

PO Box 1253
Lovington, NM 88260
Office (575) 396-0934
Fax (575) 396-0449
Email dukeoilfieldllc@gmail.com

55406

Oil ______
Disposal ______
Salt Water ______
Fresh Water ______

DATE: 8-13-23
COMPANY: Marathon
RIG: ______
LEASE: Hermes 10H
ORDERD BY: Fabian Lujan

Description of Service	Hours
Drive From the yard to location and Back	
hauled 10 bbls of Waste Water to Disposal and Wash out truck	
Work In location	

Work done by: Daniel Cervantes Unit #: 123 Accepted: [illegible]

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:_____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells_____ Date: 10/18/2023_____

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells Date: 10/18/2023

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

From: Rodgers, Scott, EMNRD
Sent: Monday, September 25, 2023 10:00 AM
To: Clint Merritt; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD
Cc: Mike Carmona; Conner Moehring; Devin Dominguez; Melodie Sanjari
Subject: RE: [EXTERNAL] Marathon Oil Permian LLC - HERMES FEE 910 TB Incident ID: nAPP2322723783

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.

Scott Rodgers ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
8801 Horizon Blvd. NE, Suite 260 | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd

From: Clint Merritt <MerrittC@carmonaresources.com>
Sent: Friday, September 22, 2023 1:08 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Mike Carmona <Mcarmona@carmonaresources.com>; Conner Moehring <Cmoehring@carmonaresources.com>; Devin Dominguez <Ddominguez@carmonaresources.com>; Melodie Sanjari <msanjari@marathonoil.com>
Subject: [EXTERNAL] Marathon Oil Permian LLC - HERMES FEE 910 TB Incident ID: nAPP2322723783

Good Afternoon,

On behalf of Marathon Oil Corporation, Carmona Resources will collect 200 sq ft composite confirmation samples at the below-referenced site on Tuesday, 9/26/2023, around 8:00 AM Mountain Time. Please let me know if you have any questions.

Marathon Oil Permian LLC - HERMES FEE 910 TB
Sec 30 T23S R28E Unit P
Incident ID: nAPP2322723783
32.269678, -104.120128
Eddy County, New Mexico

Clinton Merritt
310 West Wall Street, Suite 500
Midland TX, 79701
M: 432-813-9044
MerrittC@carmonaresources.com

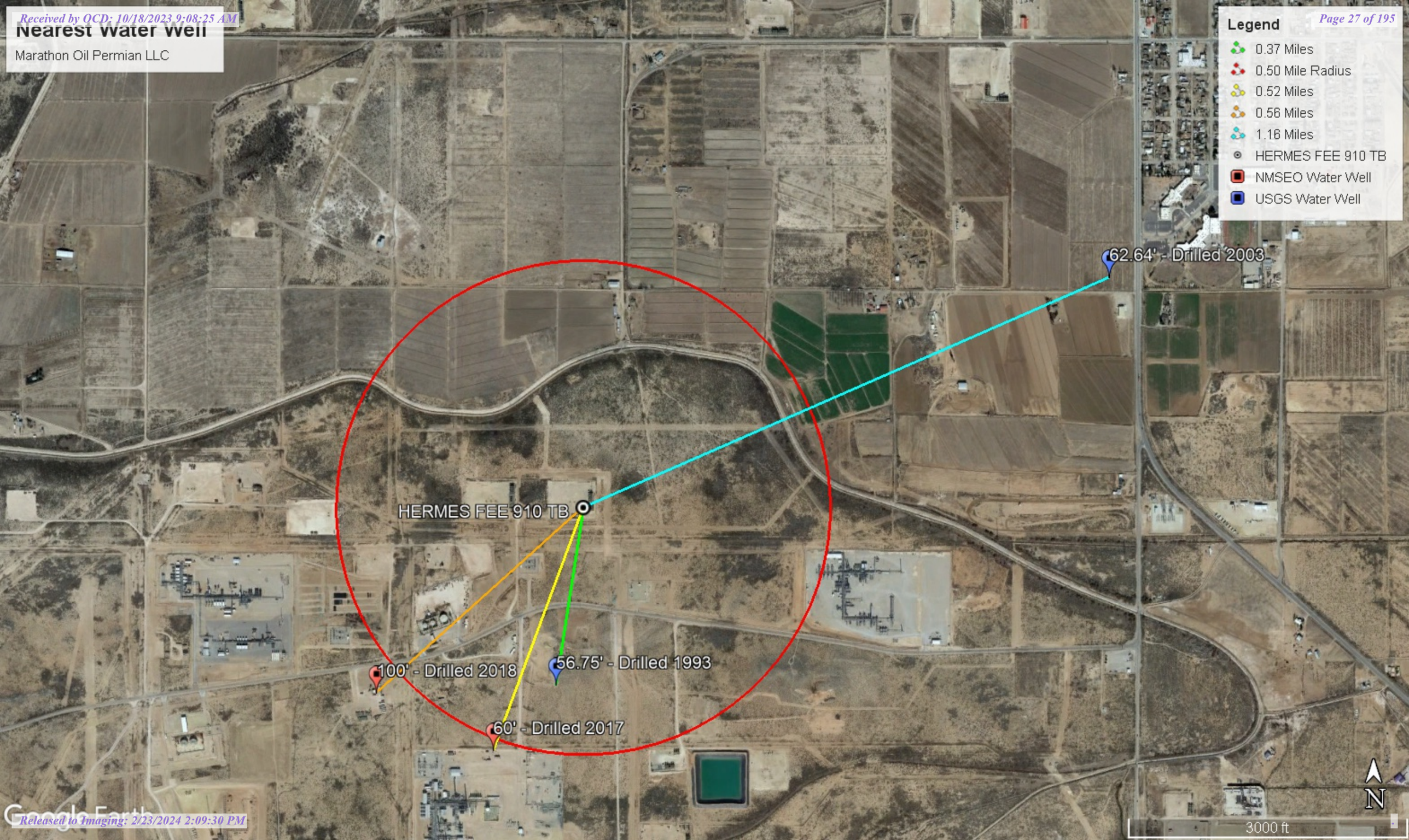
CARMONA RESOURCES

APPENDIX D

CARMONA RESOURCES

Nearest Water Well

Marathon Oil Permian LLC



High Karst

Marathon Oil Permian LLC

Legend

HERMES FEE 910 TB

High

Medium

HERMES FEE 910 TB

Google Earth

1 mi

N

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

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

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

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

POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 04037 POD1	C	ED	4	3	2	31	23S	28E	582576	3569872	845	99	60	39
C 04281 POD1	C	ED	2	4	1	31	23S	28E	582193	3570055	908	200	100	100
C 01648	C	ED		2	3	29	23S	28E	583667	3571184*	954	65	15	50
C 02037	C	ED		2	3	29	23S	28E	583667	3571184*	954	260		
C 04085 POD2	CUB	ED	2	4	1	31	23S	28E	582083	3569982	1039	240	100	140
C 04085 POD1	C	ED	1	4	1	31	23S	28E	582039	3570027	1044	250	200	50
C 00108	CUB	ED	1	1	4	29	23S	28E	583974	3571285*	1269	152	10	142

Average Depth to Water: **80 feet**

Minimum Depth: **10 feet**

Maximum Depth: **200 feet**

Record Count: 7

UTMNAD83 Radius Search (in meters):

Easting (X): 582865 **Northing (Y):** 3570667 **Radius:** 2000

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

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

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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 =
- 321552104071601

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

USGS 321552104071601 23S.28E.31.23142

Eddy County, New Mexico
Latitude 32°15'52", Longitude 104°07'16" NAD27
Land-surface elevation 3,139 feet above NAVD88
The depth of the well is 93 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1954-02-16		D	62610		3076.67	NGVD29	1	Z		
1954-02-16		D	62611		3078.28	NAVD88	1	Z		
1954-02-16		D	72019	60.72			1	Z		
1955-01-17		D	62610		3077.42	NGVD29	1	Z		
1955-01-17		D	62611		3079.03	NAVD88	1	Z		
1955-01-17		D	72019	59.97			1	Z		
1956-01-10		D	62610		3079.69	NGVD29	1	Z		
1956-01-10		D	62611		3081.30	NAVD88	1	Z		
1956-01-10		D	72019	57.70			1	Z		
1957-01-09		D	62610		3080.29	NGVD29	1	Z		
1957-01-09		D	62611		3081.90	NAVD88	1	Z		
1957-01-09		D	72019	57.10			1	Z		
1958-01-10		D	62610		3076.36	NGVD29	1	Z		
1958-01-10		D	62611		3077.97	NAVD88	1	Z		

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? S
1958-01-10	D	72019	61.03		1	Z	
1959-01-09	D	62610	3079.13	NGVD29	1	Z	
1959-01-09	D	62611	3080.74	NAVD88	1	Z	
1959-01-09	D	72019	58.26		1	Z	
1960-01-15	D	62610	3078.19	NGVD29	P	Z	
1960-01-15	D	62611	3079.80	NAVD88	P	Z	
1960-01-15	D	72019	59.20		P	Z	
1961-01-13	D	62610	3078.87	NGVD29	P	Z	
1961-01-13	D	62611	3080.48	NAVD88	P	Z	
1961-01-13	D	72019	58.52		P	Z	
1962-01-19	D	62610	3072.11	NGVD29	P	Z	
1962-01-19	D	62611	3073.72	NAVD88	P	Z	
1962-01-19	D	72019	65.28		P	Z	
1963-01-22	D	62610	3081.24	NGVD29	1	Z	
1963-01-22	D	62611	3082.85	NAVD88	1	Z	
1963-01-22	D	72019	56.15		1	Z	
1964-01-20	D	62610	3080.15	NGVD29	1	Z	
1964-01-20	D	62611	3081.76	NAVD88	1	Z	
1964-01-20	D	72019	57.24		1	Z	
1965-01-14	D	62610	3080.37	NGVD29	1	Z	
1965-01-14	D	62611	3081.98	NAVD88	1	Z	
1965-01-14	D	72019	57.02		1	Z	
1966-01-05	D	62610	3079.16	NGVD29	1	Z	
1966-01-05	D	62611	3080.77	NAVD88	1	Z	
1966-01-05	D	72019	58.23		1	Z	
1968-01-26	D	62610	3074.26	NGVD29	1	Z	
1968-01-26	D	62611	3075.87	NAVD88	1	Z	
1968-01-26	D	72019	63.13		1	Z	
1978-01-04	D	62610	3077.05	NGVD29	1	Z	
1978-01-04	D	62611	3078.66	NAVD88	1	Z	
1978-01-04	D	72019	60.34		1	Z	
1983-01-26	D	62610	3076.86	NGVD29	1	Z	
1983-01-26	D	62611	3078.47	NAVD88	1	Z	
1983-01-26	D	72019	60.53		1	Z	
1988-02-11	D	62610	3080.16	NGVD29	1	Z	
1988-02-11	D	62611	3081.77	NAVD88	1	Z	
1988-02-11	D	72019	57.23		1	Z	
1993-02-03	D	62610	3080.64	NGVD29	1	S	
1993-02-03	D	62611	3082.25	NAVD88	1	S	
1993-02-03	D	72019	56.75		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

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
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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Automated retrievals
Help
Data Tips
Explanation of terms
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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: 2023-08-16 10:57:46 EDT
1.37 0.48 nadww02

New Mexico Office of the State Engineer
Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	C 04037 POD1	4	3	2	31	23S	28E	582576	3569872

Driller License:	1348	**Driller Company:**	TAYLOR WATER WELL SERVICE		
Driller Name:	TAYLOR, CLINTON E.				
Drill Start Date:	07/17/2017	**Drill Finish Date:**	07/18/2017	**Plug Date:**	
Log File Date:	08/28/2017	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	8 GPM
Casing Size:	4.50	**Depth Well:**	99 feet	**Depth Water:**	60 feet

Water Bearing Stratifications:	Top	Bottom	Description
	60	82	Shale/Mudstone/Siltstone
	82	99	Shale/Mudstone/Siltstone

Casing Perforations:	Top	Bottom
	59	99

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
22157	C 04281 POD1	2	4	1	31	23S	28E	582193	3570055

Driller License:	1778	**Driller Company:**	THIRD GENERATION DRILLING		
Driller Name:	TRAVIS MANN				
Drill Start Date:	10/10/2018	**Drill Finish Date:**	10/16/2018	**Plug Date:**	
Log File Date:	11/05/2018	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	30 GPM
Casing Size:	5.00	**Depth Well:**	200 feet	**Depth Water:**	100 feet

Water Bearing Stratifications:	Top	Bottom	Description
	160	180	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	40	180

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

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- 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 =
- 321635104060701

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

USGS 321635104060701 23S.28E.29.24333

Eddy County, New Mexico
Latitude 32°16'35", Longitude 104°06'07" NAD27
Land-surface elevation 3,075 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

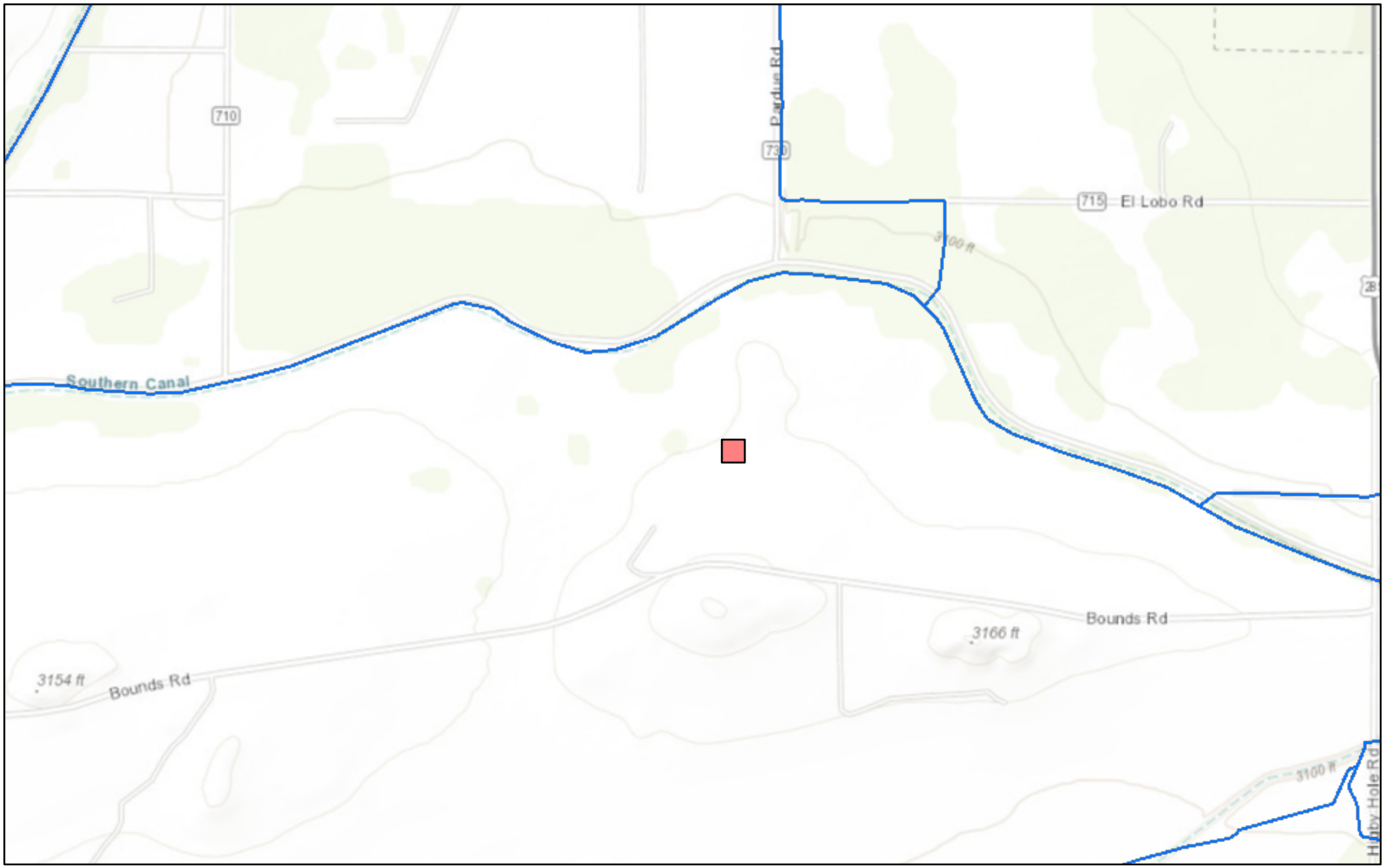
Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1954-11-02		D	62610		3000.71	NGVD29	1	Z		
1954-11-02		D	62611		3002.30	NAVD88	1	Z		
1954-11-02		D	72019	72.70			1	Z		
1978-01-04		D	62610		2999.32	NGVD29	1	Z		
1978-01-04		D	62611		3000.91	NAVD88	1	Z		
1978-01-04		D	72019	74.09			1	Z		
1983-01-26		D	62610		3021.69	NGVD29	1	Z		
1983-01-26		D	62611		3023.28	NAVD88	1	Z		
1983-01-26		D	72019	51.72			1	Z		
1988-02-11		D	62610		3027.87	NGVD29	1	Z		
1988-02-11		D	62611		3029.46	NAVD88	1	Z		
1988-02-11		D	72019	45.54			1	Z		
1993-02-03		D	62610		3028.11	NGVD29	1	S		
1993-02-03		D	62611		3029.70	NAVD88	1	S		
1993-02-03		D	72019	45.30			1	S		

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
1995-07-19	D	62610		3024.37	NGVD29	1	S	
1995-07-19	D	62611		3025.96	NAVD88	1	S	
1995-07-19	D	72019	49.04			1	S	
1996-01-25	D	62610		3027.05	NGVD29	1	S	
1996-01-25	D	62611		3028.64	NAVD88	1	S	
1996-01-25	D	72019	46.36			1	S	
2003-01-29	D	62610		3010.77	NGVD29	1	S	USGS
2003-01-29	D	62611		3012.36	NAVD88	1	S	USGS
2003-01-29	D	72019	62.64			1	S	USGS

Explanation

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

New Mexico NFHL Data



August 16, 2023

1:18,056

0 0.13 0.25 0.5 mi

0 0.2 0.4 0.8 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: Clint Merritt
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 9/6/2023 1:48:29 PM

JOB DESCRIPTION

Hermes 9H 10H CTB
SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-32643-1

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
9/6/2023 1:48:29 PM

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

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Laboratory Job ID: 880-32643-1
SDG: Eddy County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32643-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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: Hermes 9H 10H CTB

Job ID: 880-32643-1
SDG: Eddy County, New Mexico

Job ID: 880-32643-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-32643-1

Receipt
The samples were received on 8/28/2023 3:28 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.0°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-0.5') (880-32643-1) and S-1 (1') (880-32643-2).

GC VOA
Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-61711 and analytical batch 880-61708 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCS 880-61711/1-A), (LCSD 880-61711/2-A), (890-5177-A-1-G MS) and (890-5177-A-1-H MSD). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (890-5177-A-1-I). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-1 (0-0.5') (880-32643-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The method blank for preparation batch 880-61711 and analytical batch 880-61708 contained Benzene above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-61457 and analytical batch 880-61504 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-1 (0-0.5') (880-32643-1), S-1 (1') (880-32643-2), (890-5162-A-1-A), (890-5162-A-1-B MS) and (890-5162-A-1-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-61504/20) and (CCV 880-61504/5). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-61457 and analytical batch 880-61504 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32643-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-32643-1
Matrix: Solid
Date Collected: 08/24/23 00:00
Date Received: 08/28/23 15:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.244		0.199		mg/Kg		09/01/23 09:05	09/01/23 19:30	100
Toluene	3.50		0.199		mg/Kg		09/01/23 09:05	09/01/23 19:30	100
Ethylbenzene	2.52		0.199		mg/Kg		09/01/23 09:05	09/01/23 19:30	100
m-Xylene & p-Xylene	14.7	*+	0.398		mg/Kg		09/01/23 09:05	09/01/23 19:30	100
o-Xylene	4.00	*+	0.199		mg/Kg		09/01/23 09:05	09/01/23 19:30	100
Xylenes, Total	18.7	*+	0.398		mg/Kg		09/01/23 09:05	09/01/23 19:30	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*151*	*S1+*	*70 - 130*	*09/01/23 09:05*	*09/01/23 19:30*	*100*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*09/01/23 09:05*	*09/01/23 19:30*	*100*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	25.0		0.398		mg/Kg			09/05/23 17:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	19800		252		mg/Kg			08/31/23 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1610		252		mg/Kg		08/29/23 12:00	08/30/23 14:45	5
Diesel Range Organics (Over C10-C28)	18200		252		mg/Kg		08/29/23 12:00	08/30/23 14:45	5
OII Range Organics (Over C28-C36)	<252	U	252		mg/Kg		08/29/23 12:00	08/30/23 14:45	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*272*	*S1+*	*70 - 130*	*08/29/23 12:00*	*08/30/23 14:45*	*5*
o-Terphenyl	*252*	*S1+*	*70 - 130*	*08/29/23 12:00*	*08/30/23 14:45*	*5*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4270		49.5		mg/Kg			08/31/23 13:49	10

Client Sample ID: S-1 (1')

Lab Sample ID: 880-32643-2
Matrix: Solid
Date Collected: 08/24/23 00:00
Date Received: 08/28/23 15:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/06/23 08:59	09/06/23 12:27	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/06/23 08:59	09/06/23 12:27	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/06/23 08:59	09/06/23 12:27	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		09/06/23 08:59	09/06/23 12:27	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/06/23 08:59	09/06/23 12:27	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		09/06/23 08:59	09/06/23 12:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*09/06/23 08:59*	*09/06/23 12:27*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*09/06/23 08:59*	*09/06/23 12:27*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32643-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (1')

Date Collected: 08/24/23 00:00
Date Received: 08/28/23 15:28

Lab Sample ID: 880-32643-2

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			09/06/23 14:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**670**		50.1		mg/Kg			08/31/23 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		08/29/23 12:00	08/30/23 15:07	1
Diesel Range Organics (Over C10-C28)	**670**		50.1		mg/Kg		08/29/23 12:00	08/30/23 15:07	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/29/23 12:00	08/30/23 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*149*	*S1+*	*70 - 130*	*08/29/23 12:00*	*08/30/23 15:07*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*08/29/23 12:00*	*08/30/23 15:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**139**		4.97		mg/Kg			08/31/23 14:07	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32643-1
SDG: Eddy 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)
880-32643-1	S-1 (0-0.5')	151 S1+	113
880-32643-2	S-1 (1')	86	101
880-32875-A-1-A MS	Matrix Spike	91	96
880-32875-A-1-B MSD	Matrix Spike Duplicate	90	90
890-5177-A-1-G MS	Matrix Spike	134 S1+	119
890-5177-A-1-H MSD	Matrix Spike Duplicate	136 S1+	116
LCS 880-61711/1-A	Lab Control Sample	133 S1+	118
LCS 880-61907/1-A	Lab Control Sample	96	91
LCSD 880-61711/2-A	Lab Control Sample Dup	137 S1+	112
LCSD 880-61907/2-A	Lab Control Sample Dup	92	89
MB 880-61711/5-A	Method Blank	75	79
MB 880-61907/5-A	Method Blank	95	113

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)
880-32643-1	S-1 (0-0.5')	272 S1+	252 S1+
880-32643-2	S-1 (1')	149 S1+	133 S1+
890-5162-A-1-B MS	Matrix Spike	137 S1+	114
890-5162-A-1-C MSD	Matrix Spike Duplicate	141 S1+	118
LCS 880-61457/2-A	Lab Control Sample	109	123
LCSD 880-61457/3-A	Lab Control Sample Dup	111	116
MB 880-61457/1-A	Method Blank	136 S1+	137 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32643-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-61711/5-A
Matrix: Solid
Analysis Batch: 61708

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 61711

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/01/23 09:05	09/01/23 11:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/01/23 09:05	09/01/23 11:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/01/23 09:05	09/01/23 11:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/01/23 09:05	09/01/23 11:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/01/23 09:05	09/01/23 11:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/01/23 09:05	09/01/23 11:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*70 - 130*	*09/01/23 09:05*	*09/01/23 11:29*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*09/01/23 09:05*	*09/01/23 11:29*	*1*

Lab Sample ID: LCS 880-61711/1-A
Matrix: Solid
Analysis Batch: 61708

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 61711

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09874		mg/Kg		99	70 - 130		
Toluene			0.100	0.1122		mg/Kg		112	70 - 130		
Ethylbenzene			0.100	0.1163		mg/Kg		116	70 - 130		
m-Xylene & p-Xylene			0.200	0.2616	*+	mg/Kg		131	70 - 130		
o-Xylene			0.100	0.1268		mg/Kg		127	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*

Lab Sample ID: LCSD 880-61711/2-A
Matrix: Solid
Analysis Batch: 61708

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 61711

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09906		mg/Kg		99	70 - 130	0	35
Toluene			0.100	0.1184		mg/Kg		118	70 - 130	5	35
Ethylbenzene			0.100	0.1238		mg/Kg		124	70 - 130	6	35
m-Xylene & p-Xylene			0.200	0.2789	*+	mg/Kg		139	70 - 130	6	35
o-Xylene			0.100	0.1355	*+	mg/Kg		135	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*

Lab Sample ID: 890-5177-A-1-G MS
Matrix: Solid
Analysis Batch: 61708

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 61711

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00198	U	0.0996	0.08969		mg/Kg		89	70 - 130		
Toluene	<0.00198	U	0.0996	0.1086		mg/Kg		109	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32643-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 890-5177-A-1-G MS
Matrix: Solid
Analysis Batch: 61708

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 61711

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00198	U	0.0996	0.1124		mg/Kg		113	70 - 130
m-Xylene & p-Xylene	<0.00396	U *+	0.199	0.2501		mg/Kg		126	70 - 130
o-Xylene	<0.00198	U *+	0.0996	0.1198		mg/Kg		120	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*

Lab Sample ID: 890-5177-A-1-H MSD
Matrix: Solid
Analysis Batch: 61708

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 61711

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.100	0.08921		mg/Kg		88	70 - 130	1	35
Toluene	<0.00198	U	0.100	0.1049		mg/Kg		105	70 - 130	3	35
Ethylbenzene	<0.00198	U	0.100	0.1096		mg/Kg		109	70 - 130	3	35
m-Xylene & p-Xylene	<0.00396	U *+	0.200	0.2475		mg/Kg		124	70 - 130	1	35
o-Xylene	<0.00198	U *+	0.100	0.1191		mg/Kg		119	70 - 130	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*

Lab Sample ID: MB 880-61907/5-A
Matrix: Solid
Analysis Batch: 61897

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 61907

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/06/23 08:59	09/06/23 11:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/06/23 08:59	09/06/23 11:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/06/23 08:59	09/06/23 11:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/06/23 08:59	09/06/23 11:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/06/23 08:59	09/06/23 11:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/06/23 08:59	09/06/23 11:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*09/06/23 08:59*	*09/06/23 11:37*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*09/06/23 08:59*	*09/06/23 11:37*	*1*

Lab Sample ID: LCS 880-61907/1-A
Matrix: Solid
Analysis Batch: 61897

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 61907

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1029		mg/Kg		103	70 - 130
Toluene	0.100	0.09281		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.09215		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	0.200	0.1976		mg/Kg		99	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32643-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-61907/1-A
Matrix: Solid
Analysis Batch: 61897

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 61907

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.09442		mg/Kg		94	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: LCSD 880-61907/2-A
Matrix: Solid
Analysis Batch: 61897

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 61907

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1057		mg/Kg		106	70 - 130	3	35
Toluene			0.100	0.09832		mg/Kg		98	70 - 130	6	35
Ethylbenzene			0.100	0.09436		mg/Kg		94	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.1898		mg/Kg		95	70 - 130	4	35
o-Xylene			0.100	0.08908		mg/Kg		89	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: 880-32875-A-1-A MS
Matrix: Solid
Analysis Batch: 61897

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 61907

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00198	U	0.0998	0.09124		mg/Kg		91	70 - 130		
Toluene	<0.00198	U	0.0998	0.08315		mg/Kg		83	70 - 130		
Ethylbenzene	<0.00198	U	0.0998	0.07466		mg/Kg		75	70 - 130		
m-Xylene & p-Xylene	<0.00396	U	0.200	0.1596		mg/Kg		80	70 - 130		
o-Xylene	<0.00198	U	0.0998	0.07136		mg/Kg		71	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 880-32875-A-1-B MSD
Matrix: Solid
Analysis Batch: 61897

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 61907

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.101	0.09760		mg/Kg		97	70 - 130	7	35
Toluene	<0.00198	U	0.101	0.08583		mg/Kg		85	70 - 130	3	35
Ethylbenzene	<0.00198	U	0.101	0.07523		mg/Kg		75	70 - 130	1	35
m-Xylene & p-Xylene	<0.00396	U	0.202	0.1612		mg/Kg		80	70 - 130	1	35
o-Xylene	<0.00198	U	0.101	0.07589		mg/Kg		75	70 - 130	6	35

QC Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32643-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-32875-A-1-B MSD
Matrix: Solid
Analysis Batch: 61897

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 61907

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

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

Lab Sample ID: MB 880-61457/1-A
Matrix: Solid
Analysis Batch: 61504

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 61457

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		08/29/23 12:00	08/30/23 08:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/29/23 12:00	08/30/23 08:32	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/29/23 12:00	08/30/23 08:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130	08/29/23 12:00	08/30/23 08:32	1
o-Terphenyl	137	S1+	70 - 130	08/29/23 12:00	08/30/23 08:32	1

Lab Sample ID: LCS 880-61457/2-A
Matrix: Solid
Analysis Batch: 61504

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 61457

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	954.7		mg/Kg		95	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	982.2		mg/Kg		98	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	123		70 - 130

Lab Sample ID: LCSD 880-61457/3-A
Matrix: Solid
Analysis Batch: 61504

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 61457

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	927.4		mg/Kg		93	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	918.9		mg/Kg		92	70 - 130	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	111		70 - 130
o-Terphenyl	116		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32643-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 890-5162-A-1-B MS
Matrix: Solid
Analysis Batch: 61504

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 61457

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1010	930.3		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1010	1335		mg/Kg		130	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*137*	*S1+*	*70 - 130*
o-Terphenyl	*114*		*70 - 130*

Lab Sample ID: 890-5162-A-1-C MSD
Matrix: Solid
Analysis Batch: 61504

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 61457

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1010	951.7		mg/Kg		91	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1010	1375	F1	mg/Kg		134	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*141*	*S1+*	*70 - 130*
o-Terphenyl	*118*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-61531/1-A
Matrix: Solid
Analysis Batch: 61647

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			08/31/23 13:30	1

Lab Sample ID: LCS 880-61531/2-A
Matrix: Solid
Analysis Batch: 61647

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	254.1		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-61531/3-A
Matrix: Solid
Analysis Batch: 61647

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	249.4		mg/Kg		100	90 - 110	2	20

QC Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32643-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-32643-1 MS
Matrix: Solid
Analysis Batch: 61647

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	4270		2480	6805		mg/Kg		102	90 - 110		

Lab Sample ID: 880-32643-1 MSD
Matrix: Solid
Analysis Batch: 61647

Client Sample ID: S-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	4270		2480	6800		mg/Kg		102	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32643-1
SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 61708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32643-1	S-1 (0-0.5')	Total/NA	Solid	8021B	61711
MB 880-61711/5-A	Method Blank	Total/NA	Solid	8021B	61711
LCS 880-61711/1-A	Lab Control Sample	Total/NA	Solid	8021B	61711
LCSD 880-61711/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	61711
890-5177-A-1-G MS	Matrix Spike	Total/NA	Solid	8021B	61711
890-5177-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	61711

Prep Batch: 61711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32643-1	S-1 (0-0.5')	Total/NA	Solid	5035	
MB 880-61711/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-61711/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-61711/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-5177-A-1-G MS	Matrix Spike	Total/NA	Solid	5035	
890-5177-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 61857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32643-1	S-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-32643-2	S-1 (1')	Total/NA	Solid	Total BTEX	

Analysis Batch: 61897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32643-2	S-1 (1')	Total/NA	Solid	8021B	61907
MB 880-61907/5-A	Method Blank	Total/NA	Solid	8021B	61907
LCS 880-61907/1-A	Lab Control Sample	Total/NA	Solid	8021B	61907
LCSD 880-61907/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	61907
880-32875-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	61907
880-32875-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	61907

Prep Batch: 61907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32643-2	S-1 (1')	Total/NA	Solid	5035	
MB 880-61907/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-61907/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-61907/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-32875-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-32875-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 61457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32643-1	S-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-32643-2	S-1 (1')	Total/NA	Solid	8015NM Prep	
MB 880-61457/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-61457/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-61457/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5162-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-5162-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32643-1
SDG: Eddy County, New Mexico

GC Semi VOA

Analysis Batch: 61504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32643-1	S-1 (0-0.5')	Total/NA	Solid	8015B NM	61457
880-32643-2	S-1 (1')	Total/NA	Solid	8015B NM	61457
MB 880-61457/1-A	Method Blank	Total/NA	Solid	8015B NM	61457
LCS 880-61457/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	61457
LCSD 880-61457/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	61457
890-5162-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	61457
890-5162-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	61457

Analysis Batch: 61652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32643-1	S-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-32643-2	S-1 (1')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 61531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32643-1	S-1 (0-0.5')	Soluble	Solid	DI Leach	
880-32643-2	S-1 (1')	Soluble	Solid	DI Leach	
MB 880-61531/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-61531/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-61531/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-32643-1 MS	S-1 (0-0.5')	Soluble	Solid	DI Leach	
880-32643-1 MSD	S-1 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 61647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32643-1	S-1 (0-0.5')	Soluble	Solid	300.0	61531
880-32643-2	S-1 (1')	Soluble	Solid	300.0	61531
MB 880-61531/1-A	Method Blank	Soluble	Solid	300.0	61531
LCS 880-61531/2-A	Lab Control Sample	Soluble	Solid	300.0	61531
LCSD 880-61531/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	61531
880-32643-1 MS	S-1 (0-0.5')	Soluble	Solid	300.0	61531
880-32643-1 MSD	S-1 (0-0.5')	Soluble	Solid	300.0	61531

Lab Chronicle

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32643-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-32643-1
Matrix: Solid
Date Collected: 08/24/23 00:00
Date Received: 08/28/23 15:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	61711	09/01/23 09:05	EL	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	61708	09/01/23 19:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			61857	09/05/23 17:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			61652	08/31/23 10:35	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	61457	08/29/23 12:00	TKC	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	61504	08/30/23 14:45	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	61531	08/30/23 10:25	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	61647	08/31/23 13:49	CH	EET MID

Client Sample ID: S-1 (1')

Lab Sample ID: 880-32643-2
Matrix: Solid
Date Collected: 08/24/23 00:00
Date Received: 08/28/23 15:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	61907	09/06/23 08:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	61897	09/06/23 12:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			61857	09/06/23 14:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			61652	08/31/23 10:35	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	61457	08/29/23 12:00	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	61504	08/30/23 15:07	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	61531	08/30/23 10:25	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	61647	08/31/23 14:07	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: Hermes 9H 10H CTB

Job ID: 880-32643-1
SDG: Eddy 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: Hermes 9H 10H CTB

Job ID: 880-32643-1
SDG: Eddy 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: Hermes 9H 10H CTB

Job ID: 880-32643-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-32643-1	S-1 (0-0.5')	Solid	08/24/23 00:00	08/28/23 15:28
880-32643-2	S-1 (1')	Solid	08/24/23 00:00	08/28/23 15:28

880-32643 Chain of Custody

9/6/2023

Page 1 of 1

Project Manager	Clinton Merritt	Bill to (if different)	Melodie Sanjari
Company Name:	Carmona Resources	Company Name.	Marathon Oil Corporation
Address.	310 W Wall St Ste 500	Address.	990 Town and Country Blvd
City, State ZIP	Midland, TX 79701	City, State ZIP	Houston, TX 77024
Phone:	Email	msanjari@marathonoil.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.	Hermes 9H 10H CTB	Turn Around	
Project Number	2119	☑ Routine ☐ Rush	
Project Location	Eddy County, New Mexico	Due Date	5 day
Sampler's Name:	CCM		
PO #:			

SAMPLE RECEIPT			
Temp Blank.	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID	IR6
Cooler Custody Seals.	Yes No N/A	Correction Factor	-0.2
Sample Custody Seals.	Yes No N/A	Temperature Reading	0.3
Total Containers		Corrected Temperature.	0.0

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold
S-1 (0-0.5')	8/24/2023		X		G	1		X	X	X	
S-1 (1')	8/24/2023		X		G	1		X	X	X	

Preservative Codes

None. NO — DI Water H_2O

Cool. Cool — MeOH Me

HCL HC — HNO_3. HN

H_2S0_4 H_2 — NaOH. Na

H_3PO_4. HP

$NaHSO_4$. NABIS

$Na_2S_2O_3$. $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Comments

Comments: Email results to Mike Carmona mcarmona@carmonaresources.com, Conner Moehring cmoehring@carmonaresources.com, Clint Merritt MerrittC@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	8-28-23 1520		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-32643-1
SDG Number: Eddy County, New Mexico

Login Number: 32643
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: Clint Merritt
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 9/1/2023 10:18:37 AM

JOB DESCRIPTION

Hermes 9H 10H CTB
SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-32644-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

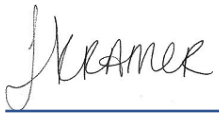
Eurofins Midland

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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9/1/2023 10:18:37 AM

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

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Laboratory Job ID: 880-32644-1
SDG: Eddy County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32644-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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: Hermes 9H 10H CTB

Job ID: 880-32644-1
SDG: Eddy County, New Mexico

Job ID: 880-32644-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-32644-1

Receipt
The samples were received on 8/28/2023 3:28 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.0°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: S-2 (0-0.5') (880-32644-1) and S-2 (1') (880-32644-2).

GC VOA
Method 8021B: The continuing calibration verification (CCV) associated with batch 880-61603 recovered above the upper control limit for Benzene, Toluene, Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-61603/20).

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-61603 recovered above the upper control limit for m-Xylene & p-Xylene and o-Xylene. Another CCV was analyzed and acceptable in the method derived 12 hour period; therefore, the data was qualified and reported. The associated sample is impacted: (CCV 880-61603/51).

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-61677 and analytical batch 880-61603 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 880-61677 and analytical batch 880-61603 recovered outside control limits for the following analytes: m-Xylene & p-Xylene and o-Xylene. These analytes were biased high in the LCS however were acceptable in the LCSD; therefore, the data have been reported.

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

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-61457 and analytical batch 880-61504 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (890-5162-A-1-A), (890-5162-A-1-B MS) and (890-5162-A-1-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-2 (0-0.5') (880-32644-1) and S-2 (1') (880-32644-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-61504/20), (CCV 880-61504/31) and (CCV 880-61504/5). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-61457 and analytical batch 880-61504 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32644-1
SDG: Eddy County, New Mexico

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

Date Collected: 08/24/23 00:00
Date Received: 08/28/23 15:28

Lab Sample ID: 880-32644-1
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		08/31/23 15:57	09/01/23 04:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/31/23 15:57	09/01/23 04:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/31/23 15:57	09/01/23 04:40	1
m-Xylene & p-Xylene	**0.00587**	***+**	0.00400		mg/Kg		08/31/23 15:57	09/01/23 04:40	1
o-Xylene	**0.00385**	***+**	0.00200		mg/Kg		08/31/23 15:57	09/01/23 04:40	1
Xylenes, Total	**0.00972**	***+**	0.00400		mg/Kg		08/31/23 15:57	09/01/23 04:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*08/31/23 15:57*	*09/01/23 04:40*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*08/31/23 15:57*	*09/01/23 04:40*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00972**		0.00400		mg/Kg			09/01/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**557**		50.5		mg/Kg			08/31/23 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		08/29/23 12:00	08/30/23 15:51	1
Diesel Range Organics (Over C10-C28)	**557**		50.5		mg/Kg		08/29/23 12:00	08/30/23 15:51	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/29/23 12:00	08/30/23 15:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*155*	*S1+*	*70 - 130*	*08/29/23 12:00*	*08/30/23 15:51*	*1*
o-Terphenyl	*145*	*S1+*	*70 - 130*	*08/29/23 12:00*	*08/30/23 15:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**124**		4.96		mg/Kg			08/31/23 14:13	1

Client Sample ID: S-2 (1')

Date Collected: 08/24/23 00:00
Date Received: 08/28/23 15:28

Lab Sample ID: 880-32644-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/31/23 15:57	09/01/23 05:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/31/23 15:57	09/01/23 05:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/31/23 15:57	09/01/23 05:01	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		08/31/23 15:57	09/01/23 05:01	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		08/31/23 15:57	09/01/23 05:01	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		08/31/23 15:57	09/01/23 05:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*08/31/23 15:57*	*09/01/23 05:01*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*08/31/23 15:57*	*09/01/23 05:01*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32644-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (1')

Date Collected: 08/24/23 00:00
Date Received: 08/28/23 15:28

Lab Sample ID: 880-32644-2

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/01/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			08/31/23 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		08/29/23 12:00	08/30/23 16:13	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		08/29/23 12:00	08/30/23 16:13	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/29/23 12:00	08/30/23 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*141*	*S1+*	*70 - 130*	*08/29/23 12:00*	*08/30/23 16:13*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*08/29/23 12:00*	*08/30/23 16:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**113**		4.98		mg/Kg			08/31/23 14:19	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32644-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-32644-1	S-2 (0-0.5')	87	102
880-32644-2	S-2 (1')	109	82
890-5171-A-1-C MS	Matrix Spike	122	106
890-5171-A-1-D MSD	Matrix Spike Duplicate	124	108
LCS 880-61677/1-A	Lab Control Sample	129	123
LCSD 880-61677/2-A	Lab Control Sample Dup	127	106
MB 880-61581/5-A	Method Blank	75	77
MB 880-61677/5-A	Method Blank	78	80

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-32644-1	S-2 (0-0.5')	155 S1+	145 S1+
880-32644-2	S-2 (1')	141 S1+	133 S1+
890-5162-A-1-B MS	Matrix Spike	137 S1+	114
890-5162-A-1-C MSD	Matrix Spike Duplicate	141 S1+	118
LCS 880-61457/2-A	Lab Control Sample	109	123
LCSD 880-61457/3-A	Lab Control Sample Dup	111	116
MB 880-61457/1-A	Method Blank	136 S1+	137 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32644-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-61581/5-A
Matrix: Solid
Analysis Batch: 61603

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 61581

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/30/23 17:39	08/31/23 12:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/30/23 17:39	08/31/23 12:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/30/23 17:39	08/31/23 12:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/30/23 17:39	08/31/23 12:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/30/23 17:39	08/31/23 12:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/30/23 17:39	08/31/23 12:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*70 - 130*	*08/30/23 17:39*	*08/31/23 12:07*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*08/30/23 17:39*	*08/31/23 12:07*	*1*

Lab Sample ID: MB 880-61677/5-A
Matrix: Solid
Analysis Batch: 61603

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 61677

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/31/23 15:57	08/31/23 22:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/31/23 15:57	08/31/23 22:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/31/23 15:57	08/31/23 22:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/31/23 15:57	08/31/23 22:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/31/23 15:57	08/31/23 22:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/31/23 15:57	08/31/23 22:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*08/31/23 15:57*	*08/31/23 22:50*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*08/31/23 15:57*	*08/31/23 22:50*	*1*

Lab Sample ID: LCS 880-61677/1-A
Matrix: Solid
Analysis Batch: 61603

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 61677

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1148		mg/Kg		115	70 - 130
Toluene	0.100	0.1235		mg/Kg		123	70 - 130
Ethylbenzene	0.100	0.1217		mg/Kg		122	70 - 130
m-Xylene & p-Xylene	0.200	0.2713	*+	mg/Kg		136	70 - 130
o-Xylene	0.100	0.1335	*+	mg/Kg		133	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*
1,4-Difluorobenzene (Surr)	*123*		*70 - 130*

Lab Sample ID: LCSD 880-61677/2-A
Matrix: Solid
Analysis Batch: 61603

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 61677

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1039		mg/Kg		104	70 - 130	10	35

QC Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32644-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-61677/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 61603 — **Prep Batch: 61677**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1183		mg/Kg		118	70 - 130	4	35
Ethylbenzene			0.100	0.1175		mg/Kg		117	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.2599		mg/Kg		130	70 - 130	4	35
o-Xylene			0.100	0.1273		mg/Kg		127	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: 890-5171-A-1-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 61603 — **Prep Batch: 61677**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1	0.0996	0.03830	F1	mg/Kg		37	70 - 130
Toluene	<0.00200	U F1	0.0996	0.03580	F1	mg/Kg		36	70 - 130
Ethylbenzene	<0.00200	U F1	0.0996	0.02974	F1	mg/Kg		30	70 - 130
m-Xylene & p-Xylene	<0.00401	U *+ F1	0.199	0.05990	F1	mg/Kg		30	70 - 130
o-Xylene	<0.00200	U *+ F1	0.0996	0.03096	F1	mg/Kg		31	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: 890-5171-A-1-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 61603 — **Prep Batch: 61677**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.100	0.04498	F1	mg/Kg		44	70 - 130	16	35
Toluene	<0.00200	U F1	0.100	0.03854	F1	mg/Kg		39	70 - 130	7	35
Ethylbenzene	<0.00200	U F1	0.100	0.03083	F1	mg/Kg		31	70 - 130	4	35
m-Xylene & p-Xylene	<0.00401	U *+ F1	0.200	0.06119	F1	mg/Kg		30	70 - 130	2	35
o-Xylene	<0.00200	U *+ F1	0.100	0.04314	F1	mg/Kg		43	70 - 130	33	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

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

Lab Sample ID: MB 880-61457/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 61504 — **Prep Batch: 61457**

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		08/29/23 12:00	08/30/23 08:32	1

QC Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32644-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-61457/1-A
Matrix: Solid
Analysis Batch: 61504

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 61457

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		08/29/23 12:00	08/30/23 08:32	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/29/23 12:00	08/30/23 08:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*136*	*S1+*	*70 - 130*	*08/29/23 12:00*	*08/30/23 08:32*	*1*
o-Terphenyl	*137*	*S1+*	*70 - 130*	*08/29/23 12:00*	*08/30/23 08:32*	*1*

Lab Sample ID: LCS 880-61457/2-A
Matrix: Solid
Analysis Batch: 61504

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 61457

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	954.7		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	1000	982.2		mg/Kg		98	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*109*		*70 - 130*
o-Terphenyl	*123*		*70 - 130*

Lab Sample ID: LCSD 880-61457/3-A
Matrix: Solid
Analysis Batch: 61504

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 61457

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	927.4		mg/Kg		93	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	918.9		mg/Kg		92	70 - 130	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*111*		*70 - 130*
o-Terphenyl	*116*		*70 - 130*

Lab Sample ID: 890-5162-A-1-B MS
Matrix: Solid
Analysis Batch: 61504

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 61457

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1010	930.3		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1010	1335		mg/Kg		130	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*137*	*S1+*	*70 - 130*
o-Terphenyl	*114*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32644-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 890-5162-A-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 61504 — **Prep Batch: 61457**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1010	951.7		mg/Kg		91	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1010	1375	F1	mg/Kg		134	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*141*	*S1+*	*70 - 130*
o-Terphenyl	*118*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-61531/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 61647

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/31/23 13:30	1

Lab Sample ID: LCS 880-61531/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 61647

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	254.1		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-61531/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 61647

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	249.4		mg/Kg		100	90 - 110	2	20

Lab Sample ID: 880-32646-A-5-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 61647

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	125		249	364.1		mg/Kg		96	90 - 110

Lab Sample ID: 880-32646-A-5-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 61647

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	125		249	381.5		mg/Kg		103	90 - 110	5	20

QC Association Summary

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32644-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 61581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-61581/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 61603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32644-1	S-2 (0-0.5')	Total/NA	Solid	8021B	61677
880-32644-2	S-2 (1')	Total/NA	Solid	8021B	61677
MB 880-61581/5-A	Method Blank	Total/NA	Solid	8021B	61581
MB 880-61677/5-A	Method Blank	Total/NA	Solid	8021B	61677
LCS 880-61677/1-A	Lab Control Sample	Total/NA	Solid	8021B	61677
LCSD 880-61677/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	61677
890-5171-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	61677
890-5171-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	61677

Prep Batch: 61677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32644-1	S-2 (0-0.5')	Total/NA	Solid	5035	
880-32644-2	S-2 (1')	Total/NA	Solid	5035	
MB 880-61677/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-61677/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-61677/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-5171-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
890-5171-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 61729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32644-1	S-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-32644-2	S-2 (1')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 61457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32644-1	S-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-32644-2	S-2 (1')	Total/NA	Solid	8015NM Prep	
MB 880-61457/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-61457/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-61457/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5162-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-5162-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 61504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32644-1	S-2 (0-0.5')	Total/NA	Solid	8015B NM	61457
880-32644-2	S-2 (1')	Total/NA	Solid	8015B NM	61457
MB 880-61457/1-A	Method Blank	Total/NA	Solid	8015B NM	61457
LCS 880-61457/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	61457
LCSD 880-61457/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	61457
890-5162-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	61457
890-5162-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	61457

QC Association Summary

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32644-1
SDG: Eddy County, New Mexico

GC Semi VOA

Analysis Batch: 61653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32644-1	S-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-32644-2	S-2 (1')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 61531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32644-1	S-2 (0-0.5')	Soluble	Solid	DI Leach	
880-32644-2	S-2 (1')	Soluble	Solid	DI Leach	
MB 880-61531/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-61531/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-61531/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-32646-A-5-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-32646-A-5-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 61647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32644-1	S-2 (0-0.5')	Soluble	Solid	300.0	61531
880-32644-2	S-2 (1')	Soluble	Solid	300.0	61531
MB 880-61531/1-A	Method Blank	Soluble	Solid	300.0	61531
LCS 880-61531/2-A	Lab Control Sample	Soluble	Solid	300.0	61531
LCSD 880-61531/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	61531
880-32646-A-5-C MS	Matrix Spike	Soluble	Solid	300.0	61531
880-32646-A-5-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	61531

Lab Chronicle

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32644-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-32644-1
Matrix: Solid
Date Collected: 08/24/23 00:00
Date Received: 08/28/23 15:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	61677	08/31/23 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	61603	09/01/23 04:40	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			61729	09/01/23 10:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			61653	08/31/23 10:35	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	61457	08/29/23 12:00	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	61504	08/30/23 15:51	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	61531	08/30/23 10:25	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	61647	08/31/23 14:13	CH	EET MID

Client Sample ID: S-2 (1')

Lab Sample ID: 880-32644-2
Matrix: Solid
Date Collected: 08/24/23 00:00
Date Received: 08/28/23 15:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	61677	08/31/23 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	61603	09/01/23 05:01	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			61729	09/01/23 10:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			61653	08/31/23 10:35	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	61457	08/29/23 12:00	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	61504	08/30/23 16:13	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	61531	08/30/23 10:25	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	61647	08/31/23 14:19	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: Hermes 9H 10H CTB

Job ID: 880-32644-1
SDG: Eddy 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: Hermes 9H 10H CTB

Job ID: 880-32644-1
SDG: Eddy 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: Hermes 9H 10H CTB

Job ID: 880-32644-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-32644-1	S-2 (0-0.5')	Solid	08/24/23 00:00	08/28/23 15:28
880-32644-2	S-2 (1')	Solid	08/24/23 00:00	08/28/23 15:28

880-32644 Chain of Custody

9/1/2023

Page 1 of 1

Project Manager:	Clinton Merntt	Bill to (if different)	Melodie Sanjari
Company Name:	Carmona Resources	Company Name	Marathon Oil Corporation
Address:	310 W Wall St Ste 500	Address	990 Town and Country Blvd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Houston, TX 77024
Phone:	Email	msanjari@marathonoil.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	Hermes 9H 10H CTB	Turn Around	
Project Number:	2119	☑ Routine ☐ Rush	
Project Location	Eddy County, New Mexico	Due Date:	5 day
Sampler's Name	CCM		
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	-0.3
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	0.3
Total Containers		Corrected Temperature	0.0

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold
S-2 (0-0.5')	8/24/2023		X		G	1	X	X	X	
S-2 (1')	8/24/2023		X		G	1	X	X	X	

Pres. Code / Parameters / ANALYSIS REQUEST

Preservative Codes

None. NO — DI Water H_2O

Cool. Cool — MeOH Me

HCL HC — HNO_3. HN

H_2S0_4 H_2 — NaOH Na

H_3PO_4. HP

$NaHSO_4$. NABIS

$Na_2S_2O_3$. $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid. SAPC

Sample Comments

Comments: Email results to Mike Carmona mcarmona@carmonaresources.com, Conner Moehring cmoehring@carmonaresources.com, Clint Merritt MerrittC@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	8-28-23 1529		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-32644-1
SDG Number: Eddy County, New Mexico

Login Number: 32644
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: Clint Merritt
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 9/5/2023 5:23:44 PM

JOB DESCRIPTION

Hermes 9H 10H CTB
SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-32645-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

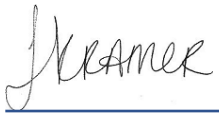
Eurofins Midland

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: Hermes 9H 10H CTB

Laboratory Job ID: 880-32645-1
SDG: Eddy County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32645-1
SDG: Eddy 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
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: Hermes 9H 10H CTB

Job ID: 880-32645-1
SDG: Eddy County, New Mexico

Job ID: 880-32645-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-32645-1

Receipt
The samples were received on 8/28/2023 3:28 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.0°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: S-3 (0-0.5') (880-32645-1) and S-3 (1') (880-32645-2).

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: The surrogate recovery for the blank associated with preparation batch 880-61642 and analytical batch 880-61701 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-3 (0-0.5') (880-32645-1), S-3 (1') (880-32645-2), (880-32645-A-1-D MS) and (880-32645-A-1-E MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-61701/20) and (CCV 880-61701/5). Evidence of matrix interferences is not obvious.

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32645-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-32645-1
Matrix: Solid
Date Collected: 08/24/23 00:00
Date Received: 08/28/23 15:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/01/23 08:58	09/01/23 16:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/01/23 08:58	09/01/23 16:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/01/23 08:58	09/01/23 16:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/01/23 08:58	09/01/23 16:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/01/23 08:58	09/01/23 16:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/01/23 08:58	09/01/23 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*09/01/23 08:58*	*09/01/23 16:46*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*09/01/23 08:58*	*09/01/23 16:46*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/05/23 17:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**108**		50.3		mg/Kg			09/05/23 12:04	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		08/31/23 12:14	09/01/23 10:25	1
Diesel Range Organics (Over C10-C28)	**108**		50.3		mg/Kg		08/31/23 12:14	09/01/23 10:25	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/31/23 12:14	09/01/23 10:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*152*	*S1+*	*70 - 130*	*08/31/23 12:14*	*09/01/23 10:25*	*1*
o-Terphenyl	*129*		*70 - 130*	*08/31/23 12:14*	*09/01/23 10:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**46.0**		5.05		mg/Kg			08/31/23 14:26	1

Client Sample ID: S-3 (1')

Lab Sample ID: 880-32645-2
Matrix: Solid
Date Collected: 08/24/23 00:00
Date Received: 08/28/23 15:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/01/23 08:58	09/01/23 17:07	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/01/23 08:58	09/01/23 17:07	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/01/23 08:58	09/01/23 17:07	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/01/23 08:58	09/01/23 17:07	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/01/23 08:58	09/01/23 17:07	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/01/23 08:58	09/01/23 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*09/01/23 08:58*	*09/01/23 17:07*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*09/01/23 08:58*	*09/01/23 17:07*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32645-1
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (1')

Date Collected: 08/24/23 00:00
Date Received: 08/28/23 15:28

Lab Sample ID: 880-32645-2

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			09/05/23 17:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			09/05/23 12:04	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		08/31/23 12:14	09/01/23 11:30	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		08/31/23 12:14	09/01/23 11:30	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/31/23 12:14	09/01/23 11:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*169*	*S1+*	*70 - 130*	*08/31/23 12:14*	*09/01/23 11:30*	*1*
o-Terphenyl	*153*	*S1+*	*70 - 130*	*08/31/23 12:14*	*09/01/23 11:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**124**		5.04		mg/Kg			08/31/23 14:44	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32645-1
SDG: Eddy 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)
880-32608-A-2-C MS	Matrix Spike	97	101
880-32608-A-2-D MSD	Matrix Spike Duplicate	103	99
880-32645-1	S-3 (0-0.5')	86	103
880-32645-2	S-3 (1')	98	109
LCS 880-61710/1-A	Lab Control Sample	100	94
LCSD 880-61710/2-A	Lab Control Sample Dup	103	99
MB 880-61710/5-A	Method Blank	82	91

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)
880-32645-1	S-3 (0-0.5')	152 S1+	129
880-32645-1 MS	S-3 (0-0.5')	135 S1+	104
880-32645-1 MSD	S-3 (0-0.5')	132 S1+	101
880-32645-2	S-3 (1')	169 S1+	153 S1+
LCS 880-61642/2-A	Lab Control Sample	114	117
LCSD 880-61642/3-A	Lab Control Sample Dup	120	114
MB 880-61642/1-A	Method Blank	161 S1+	149 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32645-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-61710/5-A
Matrix: Solid
Analysis Batch: 61707

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 61710

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/01/23 08:58	09/01/23 11:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/01/23 08:58	09/01/23 11:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/01/23 08:58	09/01/23 11:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/01/23 08:58	09/01/23 11:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/01/23 08:58	09/01/23 11:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/01/23 08:58	09/01/23 11:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*09/01/23 08:58*	*09/01/23 11:30*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*09/01/23 08:58*	*09/01/23 11:30*	*1*

Lab Sample ID: LCS 880-61710/1-A
Matrix: Solid
Analysis Batch: 61707

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 61710

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08428		mg/Kg		84	70 - 130
Toluene	0.100	0.09169		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.09431		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.200	0.1940		mg/Kg		97	70 - 130
o-Xylene	0.100	0.09199		mg/Kg		92	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: LCSD 880-61710/2-A
Matrix: Solid
Analysis Batch: 61707

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 61710

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09544		mg/Kg		95	70 - 130	12	35
Toluene	0.100	0.1018		mg/Kg		102	70 - 130	10	35
Ethylbenzene	0.100	0.1036		mg/Kg		104	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.2127		mg/Kg		106	70 - 130	9	35
o-Xylene	0.100	0.1003		mg/Kg		100	70 - 130	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 880-32608-A-2-C MS
Matrix: Solid
Analysis Batch: 61707

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 61710

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.0996	0.09425		mg/Kg		94	70 - 130
Toluene	<0.00198	U	0.0996	0.09957		mg/Kg		100	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32645-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-32608-A-2-C MS | **Client Sample ID: Matrix Spike**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 61707 | **Prep Batch: 61710**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00198	U	0.0996	0.1016		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	<0.00396	U	0.199	0.2073		mg/Kg		104	70 - 130
o-Xylene	<0.00198	U	0.0996	0.09654		mg/Kg		97	70 - 130

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

Lab Sample ID: 880-32608-A-2-D MSD | **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 61707 | **Prep Batch: 61710**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.100	0.09194		mg/Kg		91	70 - 130	2	35
Toluene	<0.00198	U	0.100	0.09675		mg/Kg		97	70 - 130	3	35
Ethylbenzene	<0.00198	U	0.100	0.09637		mg/Kg		96	70 - 130	5	35
m-Xylene & p-Xylene	<0.00396	U	0.200	0.1972		mg/Kg		98	70 - 130	5	35
o-Xylene	<0.00198	U	0.100	0.09288		mg/Kg		92	70 - 130	4	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

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

Lab Sample ID: MB 880-61642/1-A | **Client Sample ID: Method Blank**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 61701 | **Prep Batch: 61642**

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		08/31/23 12:13	09/01/23 07:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/31/23 12:13	09/01/23 07:51	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/31/23 12:13	09/01/23 07:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*161*	*S1+*	*70 - 130*	*08/31/23 12:13*	*09/01/23 07:51*	*1*
o-Terphenyl	*149*	*S1+*	*70 - 130*	*08/31/23 12:13*	*09/01/23 07:51*	*1*

Lab Sample ID: LCS 880-61642/2-A | **Client Sample ID: Lab Control Sample**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 61701 | **Prep Batch: 61642**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1065		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	1000	949.4		mg/Kg		95	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32645-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-61642/2-A
Matrix: Solid
Analysis Batch: 61701

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 61642

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	117		70 - 130

Lab Sample ID: LCSD 880-61642/3-A
Matrix: Solid
Analysis Batch: 61701

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 61642

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1064		mg/Kg		106	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	918.9		mg/Kg		92	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: 880-32645-1 MS
Matrix: Solid
Analysis Batch: 61701

Client Sample ID: S-3 (0-0.5')
Prep Type: Total/NA
Prep Batch: 61642

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	998	1051		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	108		998	1376		mg/Kg		127	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	135	S1+	70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: 880-32645-1 MSD
Matrix: Solid
Analysis Batch: 61701

Client Sample ID: S-3 (0-0.5')
Prep Type: Total/NA
Prep Batch: 61642

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	998	1037		mg/Kg		101	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	108		998	1340		mg/Kg		123	70 - 130	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	132	S1+	70 - 130
o-Terphenyl	101		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32645-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-61531/1-A
Matrix: Solid
Analysis Batch: 61647

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			08/31/23 13:30	1

Lab Sample ID: LCS 880-61531/2-A
Matrix: Solid
Analysis Batch: 61647

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	254.1		mg/Kg		102	90 - 110		

Lab Sample ID: LCSD 880-61531/3-A
Matrix: Solid
Analysis Batch: 61647

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	249.4		mg/Kg		100	90 - 110	2	20

Lab Sample ID: 880-32646-A-5-C MS
Matrix: Solid
Analysis Batch: 61647

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	125		249	364.1		mg/Kg		96	90 - 110		

Lab Sample ID: 880-32646-A-5-D MSD
Matrix: Solid
Analysis Batch: 61647

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	125		249	381.5		mg/Kg		103	90 - 110	5	20

QC Association Summary

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32645-1
SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 61707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32645-1	S-3 (0-0.5')	Total/NA	Solid	8021B	61710
880-32645-2	S-3 (1')	Total/NA	Solid	8021B	61710
MB 880-61710/5-A	Method Blank	Total/NA	Solid	8021B	61710
LCS 880-61710/1-A	Lab Control Sample	Total/NA	Solid	8021B	61710
LCSD 880-61710/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	61710
880-32608-A-2-C MS	Matrix Spike	Total/NA	Solid	8021B	61710
880-32608-A-2-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	61710

Prep Batch: 61710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32645-1	S-3 (0-0.5')	Total/NA	Solid	5035	
880-32645-2	S-3 (1')	Total/NA	Solid	5035	
MB 880-61710/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-61710/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-61710/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-32608-A-2-C MS	Matrix Spike	Total/NA	Solid	5035	
880-32608-A-2-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 61864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32645-1	S-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-32645-2	S-3 (1')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 61642

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32645-1	S-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-32645-2	S-3 (1')	Total/NA	Solid	8015NM Prep	
MB 880-61642/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-61642/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-61642/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-32645-1 MS	S-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-32645-1 MSD	S-3 (0-0.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 61701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32645-1	S-3 (0-0.5')	Total/NA	Solid	8015B NM	61642
880-32645-2	S-3 (1')	Total/NA	Solid	8015B NM	61642
MB 880-61642/1-A	Method Blank	Total/NA	Solid	8015B NM	61642
LCS 880-61642/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	61642
LCSD 880-61642/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	61642
880-32645-1 MS	S-3 (0-0.5')	Total/NA	Solid	8015B NM	61642
880-32645-1 MSD	S-3 (0-0.5')	Total/NA	Solid	8015B NM	61642

Analysis Batch: 61801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32645-1	S-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-32645-2	S-3 (1')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32645-1
SDG: Eddy County, New Mexico

HPLC/IC

Leach Batch: 61531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32645-1	S-3 (0-0.5')	Soluble	Solid	DI Leach	
880-32645-2	S-3 (1')	Soluble	Solid	DI Leach	
MB 880-61531/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-61531/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-61531/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-32646-A-5-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-32646-A-5-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 61647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32645-1	S-3 (0-0.5')	Soluble	Solid	300.0	61531
880-32645-2	S-3 (1')	Soluble	Solid	300.0	61531
MB 880-61531/1-A	Method Blank	Soluble	Solid	300.0	61531
LCS 880-61531/2-A	Lab Control Sample	Soluble	Solid	300.0	61531
LCSD 880-61531/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	61531
880-32646-A-5-C MS	Matrix Spike	Soluble	Solid	300.0	61531
880-32646-A-5-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	61531

Lab Chronicle

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32645-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-32645-1
Matrix: Solid
Date Collected: 08/24/23 00:00
Date Received: 08/28/23 15:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	61710	09/01/23 08:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	61707	09/01/23 16:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			61864	09/05/23 17:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			61801	09/05/23 12:04	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	61642	08/31/23 12:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	61701	09/01/23 10:25	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	61531	08/30/23 10:25	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	61647	08/31/23 14:26	CH	EET MID

Client Sample ID: S-3 (1')

Lab Sample ID: 880-32645-2
Matrix: Solid
Date Collected: 08/24/23 00:00
Date Received: 08/28/23 15:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	61710	09/01/23 08:58	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	61707	09/01/23 17:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			61864	09/05/23 17:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			61801	09/05/23 12:04	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	61642	08/31/23 12:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	61701	09/01/23 11:30	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	61531	08/30/23 10:25	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	61647	08/31/23 14:44	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: Hermes 9H 10H CTB

Job ID: 880-32645-1
SDG: Eddy 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: Hermes 9H 10H CTB

Job ID: 880-32645-1
SDG: Eddy 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: Hermes 9H 10H CTB

Job ID: 880-32645-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-32645-1	S-3 (0-0.5')	Solid	08/24/23 00:00	08/28/23 15:28
880-32645-2	S-3 (1')	Solid	08/24/23 00:00	08/28/23 15:28

880-32645 Chain of Custody

9/5/2023

Page 1 of 1

Project Manager	Clinton Merritt	Bill to (if different)	Melodie Sanjari
Company Name:	Carmona Resources	Company Name:	Marathon Oil Corporation
Address	310 W Wall St Ste 500	Address.	990 Town and Country Blvd
City, State ZIP	Midland, TX 79701	City, State ZIP	Houston, TX 77024
Phone:	Email	msanjari@marathonoil.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	Hermes 9H 10H CTB	Turn Around	
Project Number	2119	☑ Routine ☐ Rush	
Project Location	Eddy County, New Mexico	Due Date	5 day
Sampler's Name.	CCM		
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	-.30
Sample Custody Seals.	Yes No N/A	Temperature Reading	0.3
Total Containers.		Corrected Temperature.	0.0

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold
S-3 (0-0.5')	8/24/2023		X		G	1			X	X	X	
S-3 (1')	8/24/2023		X		G	1			X	X	X	

Preservative Codes

None. NO — DI Water H_2O

Cool Cool — MeOH Me

HCL HC — HNO_3. HN

H_2S0_4 H_2 — NaOH Na

H_3PO_4. HP

$NaHSO_4$. NABIS

$Na_2S_2O_3$. $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Comments

Comments: Email results to Mike Carmona mcarmona@carmonaresources.com, Conner Moehring cmoehring@carmonaresources.com, Clint Merritt MerrittC@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	8-28-23 1520		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-32645-1
SDG Number: Eddy County, New Mexico

Login Number: 32645
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: Clint Merritt
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 9/1/2023 10:19:20 AM

JOB DESCRIPTION

Hermes 9H 10H CTB
SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-32646-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

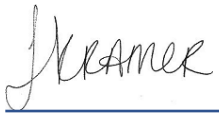
Eurofins Midland

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: Hermes 9H 10H CTB

Laboratory Job ID: 880-32646-1
SDG: Eddy County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32646-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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: Hermes 9H 10H CTB

Job ID: 880-32646-1
SDG: Eddy County, New Mexico

Job ID: 880-32646-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-32646-1

Receipt
The samples were received on 8/28/2023 3:28 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.0°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-32646-1), H-2 (0-0.5') (880-32646-2), H-3 (0-0.5') (880-32646-3), H-4 (0-0.5') (880-32646-4) and H-5 (0-0.5') (880-32646-5).

GC VOA
Method 8021B: The continuing calibration verification (CCV) associated with batch 880-61603 recovered above the upper control limit for Benzene, Toluene, Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-61603/20).

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-61603 recovered above the upper control limit for m-Xylene & p-Xylene and o-Xylene. Another CCV was analyzed and acceptable in the method derived 12 hour period; therefore, the data was qualified and reported. The associated sample is impacted: (CCV 880-61603/51).

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-61677 and analytical batch 880-61603 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 880-61677 and analytical batch 880-61603 recovered outside control limits for the following analytes: m-Xylene & p-Xylene and o-Xylene. These analytes were biased high in the LCS however were acceptable in the LCSD; therefore, the data have been reported.

Method 8021B: Surrogate recovery for the following sample was outside control limits: H-5 (0-0.5') (880-32646-5). Evidence of matrix interferences is not obvious.

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

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-61457 and analytical batch 880-61504 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (890-5162-A-1-A), (890-5162-A-1-B MS) and (890-5162-A-1-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H-1 (0-0.5') (880-32646-1) and H-2 (0-0.5') (880-32646-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: H-4 (0-0.5') (880-32646-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-61504/20), (CCV 880-61504/31) and (CCV 880-61504/5). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-61457 and analytical batch 880-61504 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Case Narrative

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32646-1
SDG: Eddy County, New Mexico

Job ID: 880-32646-1 (Continued)

Laboratory: Eurofins Midland (Continued)

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: Hermes 9H 10H CTB

Job ID: 880-32646-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-32646-1
Matrix: Solid
Date Collected: 08/24/23 00:00
Date Received: 08/28/23 15:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/31/23 15:57	09/01/23 05:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/31/23 15:57	09/01/23 05:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/31/23 15:57	09/01/23 05:21	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		08/31/23 15:57	09/01/23 05:21	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		08/31/23 15:57	09/01/23 05:21	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		08/31/23 15:57	09/01/23 05:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*08/31/23 15:57*	*09/01/23 05:21*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*08/31/23 15:57*	*09/01/23 05:21*	*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			09/01/23 10:07	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			08/31/23 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/29/23 12:00	08/30/23 16:35	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/29/23 12:00	08/30/23 16:35	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/29/23 12:00	08/30/23 16:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*138*	*S1+*	*70 - 130*	*08/29/23 12:00*	*08/30/23 16:35*	*1*
o-Terphenyl	*136*	*S1+*	*70 - 130*	*08/29/23 12:00*	*08/30/23 16:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**111**		5.02		mg/Kg			08/31/23 14:50	1

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

Lab Sample ID: 880-32646-2
Matrix: Solid
Date Collected: 08/24/23 00:00
Date Received: 08/28/23 15:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/31/23 15:57	09/01/23 05:42	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/31/23 15:57	09/01/23 05:42	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/31/23 15:57	09/01/23 05:42	1
m-Xylene & p-Xylene	<0.00396	U *+	0.00396		mg/Kg		08/31/23 15:57	09/01/23 05:42	1
o-Xylene	<0.00198	U *+	0.00198		mg/Kg		08/31/23 15:57	09/01/23 05:42	1
Xylenes, Total	<0.00396	U *+	0.00396		mg/Kg		08/31/23 15:57	09/01/23 05:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*08/31/23 15:57*	*09/01/23 05:42*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*08/31/23 15:57*	*09/01/23 05:42*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32646-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-32646-2
Matrix: Solid
Date Collected: 08/24/23 00:00
Date Received: 08/28/23 15:28

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			09/01/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			08/31/23 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		08/29/23 12:00	08/30/23 16:57	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		08/29/23 12:00	08/30/23 16:57	1
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		08/29/23 12:00	08/30/23 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*135*	*S1+*	*70 - 130*	*08/29/23 12:00*	*08/30/23 16:57*	*1*
o-Terphenyl	*129*		*70 - 130*	*08/29/23 12:00*	*08/30/23 16:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	112		4.98		mg/Kg			08/31/23 14:56	1

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

Lab Sample ID: 880-32646-3
Matrix: Solid
Date Collected: 08/24/23 00:00
Date Received: 08/28/23 15:28

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		08/31/23 15:57	09/01/23 06:02	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/31/23 15:57	09/01/23 06:02	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/31/23 15:57	09/01/23 06:02	1
m-Xylene & p-Xylene	<0.00404	U *+	0.00404		mg/Kg		08/31/23 15:57	09/01/23 06:02	1
o-Xylene	<0.00202	U *+	0.00202		mg/Kg		08/31/23 15:57	09/01/23 06:02	1
Xylenes, Total	<0.00404	U *+	0.00404		mg/Kg		08/31/23 15:57	09/01/23 06:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*08/31/23 15:57*	*09/01/23 06:02*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*08/31/23 15:57*	*09/01/23 06:02*	*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			09/01/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/31/23 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/29/23 12:00	08/30/23 17:19	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/29/23 12:00	08/30/23 17:19	1

Client Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32646-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-32646-3
Matrix: Solid
Date Collected: 08/24/23 00:00
Date Received: 08/28/23 15:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/29/23 12:00	08/30/23 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*08/29/23 12:00*	*08/30/23 17:19*	*1*
o-Terphenyl	*122*		*70 - 130*	*08/29/23 12:00*	*08/30/23 17:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**107**		5.01		mg/Kg			08/31/23 15:03	1

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

Lab Sample ID: 880-32646-4
Matrix: Solid
Date Collected: 08/24/23 00:00
Date Received: 08/28/23 15:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/31/23 15:57	09/01/23 06:23	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/31/23 15:57	09/01/23 06:23	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/31/23 15:57	09/01/23 06:23	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		08/31/23 15:57	09/01/23 06:23	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		08/31/23 15:57	09/01/23 06:23	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		08/31/23 15:57	09/01/23 06:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*08/31/23 15:57*	*09/01/23 06:23*	*1*
1,4-Difluorobenzene (Surr)	*63*	*S1-*	*70 - 130*	*08/31/23 15:57*	*09/01/23 06:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/01/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**99.4**		49.5		mg/Kg			08/31/23 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	49.5		mg/Kg		08/29/23 12:00	08/30/23 17:41	1
Diesel Range Organics (Over C10-C28)	**99.4**		49.5		mg/Kg		08/29/23 12:00	08/30/23 17:41	1
OII Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		08/29/23 12:00	08/30/23 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*160*	*S1+*	*70 - 130*	*08/29/23 12:00*	*08/30/23 17:41*	*1*
o-Terphenyl	*151*	*S1+*	*70 - 130*	*08/29/23 12:00*	*08/30/23 17:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**90.9**		4.97		mg/Kg			08/31/23 15:09	1

Client Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32646-1
SDG: Eddy County, New Mexico

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

Date Collected: 08/24/23 00:00
Date Received: 08/28/23 15:28

Lab Sample ID: 880-32646-5

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		08/31/23 15:57	09/01/23 06:43	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/31/23 15:57	09/01/23 06:43	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/31/23 15:57	09/01/23 06:43	1
m-Xylene & p-Xylene	<0.00403	U *+	0.00403		mg/Kg		08/31/23 15:57	09/01/23 06:43	1
o-Xylene	<0.00202	U *+	0.00202		mg/Kg		08/31/23 15:57	09/01/23 06:43	1
Xylenes, Total	<0.00403	U *+	0.00403		mg/Kg		08/31/23 15:57	09/01/23 06:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*08/31/23 15:57*	*09/01/23 06:43*	*1*
1,4-Difluorobenzene (Surr)	*61*	*S1-*	*70 - 130*	*08/31/23 15:57*	*09/01/23 06:43*	*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			09/01/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**69.3**		50.3		mg/Kg			08/31/23 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/29/23 12:00	08/30/23 18:03	1
Diesel Range Organics (Over C10-C28)	**69.3**		50.3		mg/Kg		08/29/23 12:00	08/30/23 18:03	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/29/23 12:00	08/30/23 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*129*		*70 - 130*	*08/29/23 12:00*	*08/30/23 18:03*	*1*
o-Terphenyl	*118*		*70 - 130*	*08/29/23 12:00*	*08/30/23 18:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**125**		4.97		mg/Kg			08/31/23 15:15	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32646-1
SDG: Eddy 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)
880-32646-1	H-1 (0-0.5')	100	72
880-32646-2	H-2 (0-0.5')	104	76
880-32646-3	H-3 (0-0.5')	89	96
880-32646-4	H-4 (0-0.5')	91	63 S1-
880-32646-5	H-5 (0-0.5')	105	61 S1-
890-5171-A-1-C MS	Matrix Spike	122	106
890-5171-A-1-D MSD	Matrix Spike Duplicate	124	108
LCS 880-61677/1-A	Lab Control Sample	129	123
LCSD 880-61677/2-A	Lab Control Sample Dup	127	106
MB 880-61581/5-A	Method Blank	75	77
MB 880-61677/5-A	Method Blank	78	80

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)
880-32646-1	H-1 (0-0.5')	138 S1+	136 S1+
880-32646-2	H-2 (0-0.5')	135 S1+	129
880-32646-3	H-3 (0-0.5')	130	122
880-32646-4	H-4 (0-0.5')	160 S1+	151 S1+
880-32646-5	H-5 (0-0.5')	129	118
890-5162-A-1-B MS	Matrix Spike	137 S1+	114
890-5162-A-1-C MSD	Matrix Spike Duplicate	141 S1+	118
LCS 880-61457/2-A	Lab Control Sample	109	123
LCSD 880-61457/3-A	Lab Control Sample Dup	111	116
MB 880-61457/1-A	Method Blank	136 S1+	137 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32646-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-61581/5-A
Matrix: Solid
Analysis Batch: 61603

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 61581

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/30/23 17:39	08/31/23 12:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/30/23 17:39	08/31/23 12:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/30/23 17:39	08/31/23 12:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/30/23 17:39	08/31/23 12:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/30/23 17:39	08/31/23 12:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/30/23 17:39	08/31/23 12:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*70 - 130*	*08/30/23 17:39*	*08/31/23 12:07*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*08/30/23 17:39*	*08/31/23 12:07*	*1*

Lab Sample ID: MB 880-61677/5-A
Matrix: Solid
Analysis Batch: 61603

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 61677

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/31/23 15:57	08/31/23 22:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/31/23 15:57	08/31/23 22:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/31/23 15:57	08/31/23 22:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/31/23 15:57	08/31/23 22:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/31/23 15:57	08/31/23 22:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/31/23 15:57	08/31/23 22:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*08/31/23 15:57*	*08/31/23 22:50*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*08/31/23 15:57*	*08/31/23 22:50*	*1*

Lab Sample ID: LCS 880-61677/1-A
Matrix: Solid
Analysis Batch: 61603

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 61677

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1148		mg/Kg		115	70 - 130
Toluene	0.100	0.1235		mg/Kg		123	70 - 130
Ethylbenzene	0.100	0.1217		mg/Kg		122	70 - 130
m-Xylene & p-Xylene	0.200	0.2713	*+	mg/Kg		136	70 - 130
o-Xylene	0.100	0.1335	*+	mg/Kg		133	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*
1,4-Difluorobenzene (Surr)	*123*		*70 - 130*

Lab Sample ID: LCSD 880-61677/2-A
Matrix: Solid
Analysis Batch: 61603

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 61677

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1039		mg/Kg		104	70 - 130	10	35

QC Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32646-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-61677/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 61603 — **Prep Batch: 61677**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1183		mg/Kg		118	70 - 130	4	35
Ethylbenzene			0.100	0.1175		mg/Kg		117	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.2599		mg/Kg		130	70 - 130	4	35
o-Xylene			0.100	0.1273		mg/Kg		127	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: 890-5171-A-1-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 61603 — **Prep Batch: 61677**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1	0.0996	0.03830	F1	mg/Kg		37	70 - 130
Toluene	<0.00200	U F1	0.0996	0.03580	F1	mg/Kg		36	70 - 130
Ethylbenzene	<0.00200	U F1	0.0996	0.02974	F1	mg/Kg		30	70 - 130
m-Xylene & p-Xylene	<0.00401	U *+ F1	0.199	0.05990	F1	mg/Kg		30	70 - 130
o-Xylene	<0.00200	U *+ F1	0.0996	0.03096	F1	mg/Kg		31	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: 890-5171-A-1-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 61603 — **Prep Batch: 61677**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.100	0.04498	F1	mg/Kg		44	70 - 130	16	35
Toluene	<0.00200	U F1	0.100	0.03854	F1	mg/Kg		39	70 - 130	7	35
Ethylbenzene	<0.00200	U F1	0.100	0.03083	F1	mg/Kg		31	70 - 130	4	35
m-Xylene & p-Xylene	<0.00401	U *+ F1	0.200	0.06119	F1	mg/Kg		30	70 - 130	2	35
o-Xylene	<0.00200	U *+ F1	0.100	0.04314	F1	mg/Kg		43	70 - 130	33	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

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

Lab Sample ID: MB 880-61457/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 61504 — **Prep Batch: 61457**

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		08/29/23 12:00	08/30/23 08:32	1

QC Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32646-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-61457/1-A
Matrix: Solid
Analysis Batch: 61504

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 61457

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		08/29/23 12:00	08/30/23 08:32	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/29/23 12:00	08/30/23 08:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*136*	*S1+*	*70 - 130*	*08/29/23 12:00*	*08/30/23 08:32*	*1*
o-Terphenyl	*137*	*S1+*	*70 - 130*	*08/29/23 12:00*	*08/30/23 08:32*	*1*

Lab Sample ID: LCS 880-61457/2-A
Matrix: Solid
Analysis Batch: 61504

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 61457

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	954.7		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	1000	982.2		mg/Kg		98	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*109*		*70 - 130*
o-Terphenyl	*123*		*70 - 130*

Lab Sample ID: LCSD 880-61457/3-A
Matrix: Solid
Analysis Batch: 61504

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 61457

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	927.4		mg/Kg		93	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	918.9		mg/Kg		92	70 - 130	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*111*		*70 - 130*
o-Terphenyl	*116*		*70 - 130*

Lab Sample ID: 890-5162-A-1-B MS
Matrix: Solid
Analysis Batch: 61504

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 61457

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1010	930.3		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1010	1335		mg/Kg		130	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*137*	*S1+*	*70 - 130*
o-Terphenyl	*114*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32646-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 890-5162-A-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 61504 — **Prep Batch: 61457**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1010	951.7		mg/Kg		91	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1010	1375	F1	mg/Kg		134	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*141*	*S1+*	*70 - 130*
o-Terphenyl	*118*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-61531/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 61647

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/31/23 13:30	1

Lab Sample ID: LCS 880-61531/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 61647

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	254.1		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-61531/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 61647

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	249.4		mg/Kg		100	90 - 110	2	20

Lab Sample ID: 880-32646-5 MS — **Client Sample ID: H-5 (0-0.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 61647

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	125		249	364.1		mg/Kg		96	90 - 110

Lab Sample ID: 880-32646-5 MSD — **Client Sample ID: H-5 (0-0.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 61647

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	125		249	381.5		mg/Kg		103	90 - 110	5	20

QC Association Summary

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32646-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 61581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-61581/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 61603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32646-1	H-1 (0-0.5')	Total/NA	Solid	8021B	61677
880-32646-2	H-2 (0-0.5')	Total/NA	Solid	8021B	61677
880-32646-3	H-3 (0-0.5')	Total/NA	Solid	8021B	61677
880-32646-4	H-4 (0-0.5')	Total/NA	Solid	8021B	61677
880-32646-5	H-5 (0-0.5')	Total/NA	Solid	8021B	61677
MB 880-61581/5-A	Method Blank	Total/NA	Solid	8021B	61581
MB 880-61677/5-A	Method Blank	Total/NA	Solid	8021B	61677
LCS 880-61677/1-A	Lab Control Sample	Total/NA	Solid	8021B	61677
LCSD 880-61677/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	61677
890-5171-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	61677
890-5171-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	61677

Prep Batch: 61677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32646-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-32646-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-32646-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-32646-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-32646-5	H-5 (0-0.5')	Total/NA	Solid	5035	
MB 880-61677/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-61677/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-61677/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-5171-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
890-5171-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 61730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32646-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-32646-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-32646-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-32646-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-32646-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 61457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32646-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-32646-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-32646-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-32646-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-32646-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-61457/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-61457/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-61457/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5162-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-5162-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32646-1
SDG: Eddy County, New Mexico

GC Semi VOA

Analysis Batch: 61504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32646-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	61457
880-32646-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	61457
880-32646-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	61457
880-32646-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	61457
880-32646-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	61457
MB 880-61457/1-A	Method Blank	Total/NA	Solid	8015B NM	61457
LCS 880-61457/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	61457
LCSD 880-61457/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	61457
890-5162-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	61457
890-5162-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	61457

Analysis Batch: 61654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32646-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-32646-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-32646-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-32646-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-32646-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 61531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32646-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-32646-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-32646-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-32646-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-32646-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-61531/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-61531/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-61531/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-32646-5 MS	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-32646-5 MSD	H-5 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 61647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32646-1	H-1 (0-0.5')	Soluble	Solid	300.0	61531
880-32646-2	H-2 (0-0.5')	Soluble	Solid	300.0	61531
880-32646-3	H-3 (0-0.5')	Soluble	Solid	300.0	61531
880-32646-4	H-4 (0-0.5')	Soluble	Solid	300.0	61531
880-32646-5	H-5 (0-0.5')	Soluble	Solid	300.0	61531
MB 880-61531/1-A	Method Blank	Soluble	Solid	300.0	61531
LCS 880-61531/2-A	Lab Control Sample	Soluble	Solid	300.0	61531
LCSD 880-61531/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	61531
880-32646-5 MS	H-5 (0-0.5')	Soluble	Solid	300.0	61531
880-32646-5 MSD	H-5 (0-0.5')	Soluble	Solid	300.0	61531

Lab Chronicle

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32646-1
SDG: Eddy County, New Mexico

Client Sample ID: H-1 (0-0.5')
Lab Sample ID: 880-32646-1
Date Collected: 08/24/23 00:00
Matrix: Solid
Date Received: 08/28/23 15:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	61677	08/31/23 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	61603	09/01/23 05:21	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			61730	09/01/23 10:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			61654	08/31/23 10:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	61457	08/29/23 12:00	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	61504	08/30/23 16:35	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	61531	08/30/23 10:25	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	61647	08/31/23 14:50	CH	EET MID

Client Sample ID: H-2 (0-0.5')
Lab Sample ID: 880-32646-2
Date Collected: 08/24/23 00:00
Matrix: Solid
Date Received: 08/28/23 15:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	61677	08/31/23 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	61603	09/01/23 05:42	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			61730	09/01/23 10:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			61654	08/31/23 10:35	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	61457	08/29/23 12:00	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	61504	08/30/23 16:57	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	61531	08/30/23 10:25	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	61647	08/31/23 14:56	CH	EET MID

Client Sample ID: H-3 (0-0.5')
Lab Sample ID: 880-32646-3
Date Collected: 08/24/23 00:00
Matrix: Solid
Date Received: 08/28/23 15:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	61677	08/31/23 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	61603	09/01/23 06:02	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			61730	09/01/23 10:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			61654	08/31/23 10:35	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	61457	08/29/23 12:00	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	61504	08/30/23 17:19	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	61531	08/30/23 10:25	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	61647	08/31/23 15:03	CH	EET MID

Client Sample ID: H-4 (0-0.5')
Lab Sample ID: 880-32646-4
Date Collected: 08/24/23 00:00
Matrix: Solid
Date Received: 08/28/23 15:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	61677	08/31/23 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	61603	09/01/23 06:23	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			61730	09/01/23 10:07	AJ	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32646-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-32646-4
Matrix: Solid
Date Collected: 08/24/23 00:00
Date Received: 08/28/23 15:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			61654	08/31/23 10:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	61457	08/29/23 12:00	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	61504	08/30/23 17:41	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	61531	08/30/23 10:25	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	61647	08/31/23 15:09	CH	EET MID

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

Lab Sample ID: 880-32646-5
Matrix: Solid
Date Collected: 08/24/23 00:00
Date Received: 08/28/23 15:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	61677	08/31/23 15:57	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	61603	09/01/23 06:43	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			61730	09/01/23 10:07	AJ	EET MID
Total/NA	Analysis	8015 NM		1			61654	08/31/23 10:35	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	61457	08/29/23 12:00	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	61504	08/30/23 18:03	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	61531	08/30/23 10:25	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	61647	08/31/23 15:15	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-32646-1
SDG: Eddy 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: Hermes 9H 10H CTB

Job ID: 880-32646-1
SDG: Eddy 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: Hermes 9H 10H CTB

Job ID: 880-32646-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-32646-1	H-1 (0-0.5')	Solid	08/24/23 00:00	08/28/23 15:28
880-32646-2	H-2 (0-0.5')	Solid	08/24/23 00:00	08/28/23 15:28
880-32646-3	H-3 (0-0.5')	Solid	08/24/23 00:00	08/28/23 15:28
880-32646-4	H-4 (0-0.5')	Solid	08/24/23 00:00	08/28/23 15:28
880-32646-5	H-5 (0-0.5')	Solid	08/24/23 00:00	08/28/23 15:28

880-32646 Chain of Custody

9/1/2023

Page 1 of 1

Project Manager	Clinton Merritt	Bill to (if different)	Melodie Sanjari
Company Name:	Carmona Resources	Company Name:	Marathon Oil Corporation
Address	310 W Wall St Ste 500	Address.	990 Town and Country Blvd
City, State ZIP	Midland, TX 79701	City, State ZIP	Houston, TX 77024
Phone.	Email	msanjari@marathonoil.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	Hermes 9H 10H CTB	Turn Around	
Project Number	2119	☑ Routine ☐ Rush	
Project Location	Eddy County, New Mexico	Due Date	5 day
Sampler's Name	CCM		
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	-0.8	
Sample Custody Seals.	Yes No (N/A)	Temperature Reading	0.3	
Total Containers		Corrected Temperature	0.0	

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	Hold
H-1 (0-0.5')	8/24/2023		X		G	1	X	X	X	
H-2 (0-0.5')	8/24/2023		X		G	1	X	X	X	
H-3 (0-0.5')	8/24/2023		X		G	1	X	X	X	
H-4 (0-0.5')	8/24/2023		X		G	1	X	X	X	
H-5 (0-0.5')	8/24/2023		X		G	1	X	X	X	

Preservative Codes

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

Sample Comments

Comments: Email results to Mike Carmona mcarmona@carmonaresources.com, Conner Moehring cmoehring@carmonaresources.com, Clint Merritt MerrittC@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	8-28-23 1520		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-32646-1
SDG Number: Eddy County, New Mexico

Login Number: 32646
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: Clint Merritt
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

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JOB DESCRIPTION

Hermes 9H 10H CTB
SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-33676-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

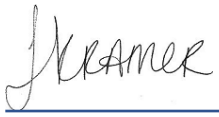
Eurofins Midland

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: Hermes 9H 10H CTB

Laboratory Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Job ID: 880-33676-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-33676-1

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

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

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

Receipt
The samples were received on 9/27/2023 8:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.0°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (1.5') (880-33676-1), CS-2 (1.5') (880-33676-2), CS-3 (1.5') (880-33676-3), CS-4 (1.5') (880-33676-4), CS-5 (1') (880-33676-5), CS-6 (1') (880-33676-6), CS-7 (1') (880-33676-7), CS-8 (1') (880-33676-8), CS-9 (1') (880-33676-9), CS-10 (1') (880-33676-10), CS-11 (1') (880-33676-11), CS-12 (1') (880-33676-12), CS-13 (1') (880-33676-13), CS-14 (1') (880-33676-14), CS-15 (1') (880-33676-15), CS-16 (1') (880-33676-16), CS-17 (1') (880-33676-17), CS-18 (1') (880-33676-18), SW-1 (1.5') (880-33676-19), SW-2 (1.5') (880-33676-20), SW-3 (1.5') (880-33676-21), SW-4 (1.5') (880-33676-22), SW-5 (1.5') (880-33676-23), SW-6 (1.5') (880-33676-24), SW-7 (1.5') (880-33676-25), SW-8 (1') (880-33676-26), SW-9 (1') (880-33676-27), SW-10 (1') (880-33676-28), SW-11 (1') (880-33676-29), SW-12 (1') (880-33676-30), SW-13 (1') (880-33676-31), SW-14 (1') (880-33676-32), SW-15 (1') (880-33676-33), SW-16 (1') (880-33676-34) and SW-17 (1') (880-33676-35).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-1 (1.5') (880-33676-1), CS-3 (1.5') (880-33676-3), CS-6 (1') (880-33676-6) and CS-9 (1') (880-33676-9). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-12 (1') (880-33676-12), SW-3 (1.5') (880-33676-21), SW-4 (1.5') (880-33676-22), SW-5 (1.5') (880-33676-23), SW-6 (1.5') (880-33676-24), SW-7 (1.5') (880-33676-25), SW-9 (1') (880-33676-27), SW-10 (1') (880-33676-28), SW-11 (1') (880-33676-29), SW-12 (1') (880-33676-30), SW-13 (1') (880-33676-31), SW-14 (1') (880-33676-32) and (880-33676-A-21-B MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-63377 and analytical batch 880-63375 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-7 (1') (880-33676-7) and CS-8 (1') (880-33676-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-63376 and analytical batch 880-63375 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-63377 and analytical batch 880-63375 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Case Narrative

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Job ID: 880-33676-1 (Continued)

Laboratory: Eurofins Midland (Continued)

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: SW-4 (1.5') (880-33676-22) and SW-5 (1.5') (880-33676-23). 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: SW-7 (1.5') (880-33676-25) and SW-8 (1') (880-33676-26). 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: SW-14 (1') (880-33676-32) and SW-15 (1') (880-33676-33). 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 880-63368/58). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-63368 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-63368/58).

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (CCV 880-63368/5). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (CCV 880-63368/47). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-63378 and analytical batch 880-63366 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-1 (1.5') (880-33676-1), CS-2 (1.5') (880-33676-2), CS-3 (1.5') (880-33676-3), CS-4 (1.5') (880-33676-4), CS-5 (1') (880-33676-5), CS-6 (1') (880-33676-6), CS-7 (1') (880-33676-7), CS-8 (1') (880-33676-8), CS-9 (1') (880-33676-9), CS-10 (1') (880-33676-10), CS-11 (1') (880-33676-11), CS-12 (1') (880-33676-12), CS-13 (1') (880-33676-13), CS-14 (1') (880-33676-14), CS-15 (1') (880-33676-15), CS-16 (1') (880-33676-16), CS-17 (1') (880-33676-17), CS-18 (1') (880-33676-18), SW-1 (1.5') (880-33676-19), SW-2 (1.5') (880-33676-20), (880-33676-A-1-E MS) and (880-33676-A-1-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-63378/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-63378 and analytical batch 880-63366 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-63382 and analytical batch 880-63431 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (1.5')

Lab Sample ID: 880-33676-1
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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		09/27/23 09:02	09/27/23 12:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:02	09/27/23 12:08	1
Ethylbenzene	<0.00199	U F1	0.00199		mg/Kg		09/27/23 09:02	09/27/23 12:08	1
m-Xylene & p-Xylene	<0.00398	U F1	0.00398		mg/Kg		09/27/23 09:02	09/27/23 12:08	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		09/27/23 09:02	09/27/23 12:08	1
Xylenes, Total	<0.00398	U F1	0.00398		mg/Kg		09/27/23 09:02	09/27/23 12:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*09/27/23 09:02*	*09/27/23 12:08*	*1*
1,4-Difluorobenzene (Surr)	*159*	*S1+*	*70 - 130*	*09/27/23 09:02*	*09/27/23 12:08*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/27/23 12:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/27/23 11:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/27/23 09:19	09/27/23 11:06	1
Diesel Range Organics (Over C10-C28)	<49.8	U F1	49.8		mg/Kg		09/27/23 09:19	09/27/23 11:06	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/27/23 09:19	09/27/23 11:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*140*	*S1+*	*70 - 130*	*09/27/23 09:19*	*09/27/23 11:06*	*1*
o-Terphenyl	*125*		*70 - 130*	*09/27/23 09:19*	*09/27/23 11:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**185**	**F1**	4.99		mg/Kg			09/27/23 16:31	1

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-33676-2
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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		09/27/23 09:02	09/27/23 12:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:02	09/27/23 12:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:02	09/27/23 12:28	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/27/23 09:02	09/27/23 12:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:02	09/27/23 12:28	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/27/23 09:02	09/27/23 12:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*09/27/23 09:02*	*09/27/23 12:28*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*09/27/23 09:02*	*09/27/23 12:28*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-33676-2
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/27/23 12:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			09/27/23 12:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		09/27/23 09:19	09/27/23 12:12	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		09/27/23 09:19	09/27/23 12:12	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		09/27/23 09:19	09/27/23 12:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*137*	*S1+*	*70 - 130*	*09/27/23 09:19*	*09/27/23 12:12*	*1*
o-Terphenyl	*123*		*70 - 130*	*09/27/23 09:19*	*09/27/23 12:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**123**		5.02		mg/Kg			09/27/23 16:48	1

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-33676-3
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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		09/27/23 09:02	09/27/23 12:49	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/27/23 09:02	09/27/23 12:49	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/27/23 09:02	09/27/23 12:49	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		09/27/23 09:02	09/27/23 12:49	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/27/23 09:02	09/27/23 12:49	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		09/27/23 09:02	09/27/23 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*09/27/23 09:02*	*09/27/23 12:49*	*1*
1,4-Difluorobenzene (Surr)	*147*	*S1+*	*70 - 130*	*09/27/23 09:02*	*09/27/23 12:49*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			09/27/23 12:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			09/27/23 12:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		09/27/23 09:19	09/27/23 12:34	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		09/27/23 09:19	09/27/23 12:34	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-33676-3
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		09/27/23 09:19	09/27/23 12:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*138*	*S1+*	*70 - 130*	*09/27/23 09:19*	*09/27/23 12:34*	*1*
o-Terphenyl	*126*		*70 - 130*	*09/27/23 09:19*	*09/27/23 12:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**170**		5.04		mg/Kg			09/27/23 16:54	1

Client Sample ID: CS-4 (1.5')

Lab Sample ID: 880-33676-4
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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		09/27/23 09:02	09/27/23 13:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:02	09/27/23 13:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:02	09/27/23 13:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/27/23 09:02	09/27/23 13:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:02	09/27/23 13:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/27/23 09:02	09/27/23 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*09/27/23 09:02*	*09/27/23 13:09*	*1*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*	*09/27/23 09:02*	*09/27/23 13:09*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/27/23 13:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/27/23 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		09/27/23 09:19	09/27/23 12:56	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		09/27/23 09:19	09/27/23 12:56	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/27/23 09:19	09/27/23 12:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*132*	*S1+*	*70 - 130*	*09/27/23 09:19*	*09/27/23 12:56*	*1*
o-Terphenyl	*119*		*70 - 130*	*09/27/23 09:19*	*09/27/23 12:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**149**		4.97		mg/Kg			09/27/23 17:00	1

Client Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-5 (1')

Lab Sample ID: 880-33676-5
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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		09/27/23 09:02	09/27/23 13:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:02	09/27/23 13:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:02	09/27/23 13:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/27/23 09:02	09/27/23 13:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:02	09/27/23 13:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/27/23 09:02	09/27/23 13:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*09/27/23 09:02*	*09/27/23 13:30*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*09/27/23 09:02*	*09/27/23 13:30*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/27/23 13:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/27/23 13:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		09/27/23 09:19	09/27/23 13:18	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		09/27/23 09:19	09/27/23 13:18	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/27/23 09:19	09/27/23 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*134*	*S1+*	*70 - 130*	*09/27/23 09:19*	*09/27/23 13:18*	*1*
o-Terphenyl	*121*		*70 - 130*	*09/27/23 09:19*	*09/27/23 13:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**177**		4.98		mg/Kg			09/27/23 17:06	1

Client Sample ID: CS-6 (1')

Lab Sample ID: 880-33676-6
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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		09/27/23 09:02	09/27/23 13:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:02	09/27/23 13:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:02	09/27/23 13:50	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/27/23 09:02	09/27/23 13:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:02	09/27/23 13:50	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/27/23 09:02	09/27/23 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*09/27/23 09:02*	*09/27/23 13:50*	*1*
1,4-Difluorobenzene (Surr)	*161*	*S1+*	*70 - 130*	*09/27/23 09:02*	*09/27/23 13:50*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-6 (1')

Lab Sample ID: 880-33676-6
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/27/23 13:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			09/27/23 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		09/27/23 09:19	09/27/23 13:40	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/27/23 09:19	09/27/23 13:40	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/27/23 09:19	09/27/23 13:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*138*	*S1+*	*70 - 130*	*09/27/23 09:19*	*09/27/23 13:40*	*1*
o-Terphenyl	*124*		*70 - 130*	*09/27/23 09:19*	*09/27/23 13:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**180**		5.01		mg/Kg			09/27/23 17:23	1

Client Sample ID: CS-7 (1')

Lab Sample ID: 880-33676-7
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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		09/27/23 09:02	09/27/23 14:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:02	09/27/23 14:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:02	09/27/23 14:10	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/27/23 09:02	09/27/23 14:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:02	09/27/23 14:10	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/27/23 09:02	09/27/23 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*09/27/23 09:02*	*09/27/23 14:10*	*1*
1,4-Difluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*09/27/23 09:02*	*09/27/23 14:10*	*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			09/27/23 14:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			09/27/23 14:02	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		09/27/23 09:19	09/27/23 14:02	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		09/27/23 09:19	09/27/23 14:02	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-7 (1')

Lab Sample ID: 880-33676-7
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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		09/27/23 09:19	09/27/23 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*137*	*S1+*	*70 - 130*	*09/27/23 09:19*	*09/27/23 14:02*	*1*
o-Terphenyl	*125*		*70 - 130*	*09/27/23 09:19*	*09/27/23 14:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**97.7**		5.04		mg/Kg			09/27/23 17:29	1

Client Sample ID: CS-8 (1')

Lab Sample ID: 880-33676-8
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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		09/27/23 09:02	09/27/23 14:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:02	09/27/23 14:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:02	09/27/23 14:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/27/23 09:02	09/27/23 14:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:02	09/27/23 14:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/27/23 09:02	09/27/23 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*236*	*S1+*	*70 - 130*	*09/27/23 09:02*	*09/27/23 14:31*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*09/27/23 09:02*	*09/27/23 14:31*	*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			09/27/23 14:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5		mg/Kg			09/27/23 14:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	49.5		mg/Kg		09/27/23 09:19	09/27/23 14:24	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		09/27/23 09:19	09/27/23 14:24	1
OII Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		09/27/23 09:19	09/27/23 14:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*137*	*S1+*	*70 - 130*	*09/27/23 09:19*	*09/27/23 14:24*	*1*
o-Terphenyl	*123*		*70 - 130*	*09/27/23 09:19*	*09/27/23 14:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**131**		4.98		mg/Kg			09/27/23 17:35	1

Client Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-9 (1')

Lab Sample ID: 880-33676-9
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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		09/27/23 09:02	09/27/23 14:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:02	09/27/23 14:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:02	09/27/23 14:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/27/23 09:02	09/27/23 14:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:02	09/27/23 14:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/27/23 09:02	09/27/23 14:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*09/27/23 09:02*	*09/27/23 14:51*	*1*
1,4-Difluorobenzene (Surr)	*146*	*S1+*	*70 - 130*	*09/27/23 09:02*	*09/27/23 14:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/27/23 14:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			09/27/23 14:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		09/27/23 09:19	09/27/23 14:46	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		09/27/23 09:19	09/27/23 14:46	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		09/27/23 09:19	09/27/23 14:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*143*	*S1+*	*70 - 130*	*09/27/23 09:19*	*09/27/23 14:46*	*1*
o-Terphenyl	*128*		*70 - 130*	*09/27/23 09:19*	*09/27/23 14:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**113**		4.96		mg/Kg			09/27/23 17:41	1

Client Sample ID: CS-10 (1')

Lab Sample ID: 880-33676-10
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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		09/27/23 09:02	09/27/23 15:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:02	09/27/23 15:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:02	09/27/23 15:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/27/23 09:02	09/27/23 15:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:02	09/27/23 15:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/27/23 09:02	09/27/23 15:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*09/27/23 09:02*	*09/27/23 15:12*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*09/27/23 09:02*	*09/27/23 15:12*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-10 (1')

Lab Sample ID: 880-33676-10
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/27/23 15:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			09/27/23 15:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		09/27/23 09:19	09/27/23 15:08	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		09/27/23 09:19	09/27/23 15:08	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		09/27/23 09:19	09/27/23 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*163*	*S1+*	*70 - 130*	*09/27/23 09:19*	*09/27/23 15:08*	*1*
o-Terphenyl	*140*	*S1+*	*70 - 130*	*09/27/23 09:19*	*09/27/23 15:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**125**		5.03		mg/Kg			09/27/23 17:47	1

Client Sample ID: CS-11 (1')

Lab Sample ID: 880-33676-11
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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		09/27/23 09:02	09/27/23 17:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:02	09/27/23 17:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:02	09/27/23 17:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/27/23 09:02	09/27/23 17:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:02	09/27/23 17:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/27/23 09:02	09/27/23 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*09/27/23 09:02*	*09/27/23 17:03*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*09/27/23 09:02*	*09/27/23 17:03*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/27/23 17:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			09/27/23 15:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		09/27/23 09:19	09/27/23 15:52	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		09/27/23 09:19	09/27/23 15:52	1

Client Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-11 (1')

Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

Lab Sample ID: 880-33676-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		09/27/23 09:19	09/27/23 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*145*	*S1+*	*70 - 130*	*09/27/23 09:19*	*09/27/23 15:52*	*1*
o-Terphenyl	*130*		*70 - 130*	*09/27/23 09:19*	*09/27/23 15:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**197**		5.01		mg/Kg			09/27/23 17:52	1

Client Sample ID: CS-12 (1')

Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

Lab Sample ID: 880-33676-12
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:02	09/27/23 17:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:02	09/27/23 17:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:02	09/27/23 17:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/27/23 09:02	09/27/23 17:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:02	09/27/23 17:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/27/23 09:02	09/27/23 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*318*	*S1+*	*70 - 130*	*09/27/23 09:02*	*09/27/23 17:23*	*1*
1,4-Difluorobenzene (Surr)	*275*	*S1+*	*70 - 130*	*09/27/23 09:02*	*09/27/23 17:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/27/23 17:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			09/27/23 16:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		09/27/23 09:19	09/27/23 16:14	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		09/27/23 09:19	09/27/23 16:14	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		09/27/23 09:19	09/27/23 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*137*	*S1+*	*70 - 130*	*09/27/23 09:19*	*09/27/23 16:14*	*1*
o-Terphenyl	*121*		*70 - 130*	*09/27/23 09:19*	*09/27/23 16:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**73.8**		4.99		mg/Kg			09/27/23 18:10	1

Client Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-13 (1')

Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

Lab Sample ID: 880-33676-13
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		09/27/23 09:02	09/27/23 17:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:02	09/27/23 17:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:02	09/27/23 17:43	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/27/23 09:02	09/27/23 17:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:02	09/27/23 17:43	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/27/23 09:02	09/27/23 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*09/27/23 09:02*	*09/27/23 17:43*	*1*
1,4-Difluorobenzene (Surr)	*121*		*70 - 130*	*09/27/23 09:02*	*09/27/23 17:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/27/23 17:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/27/23 16:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		09/27/23 09:19	09/27/23 16:37	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		09/27/23 09:19	09/27/23 16:37	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/27/23 09:19	09/27/23 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*144*	*S1+*	*70 - 130*	*09/27/23 09:19*	*09/27/23 16:37*	*1*
o-Terphenyl	*129*		*70 - 130*	*09/27/23 09:19*	*09/27/23 16:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**110**		4.97		mg/Kg			09/27/23 18:16	1

Client Sample ID: CS-14 (1')

Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

Lab Sample ID: 880-33676-14
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:02	09/27/23 18:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:02	09/27/23 18:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:02	09/27/23 18:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/27/23 09:02	09/27/23 18:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:02	09/27/23 18:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/27/23 09:02	09/27/23 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*09/27/23 09:02*	*09/27/23 18:04*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*09/27/23 09:02*	*09/27/23 18:04*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-14 (1')

Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

Lab Sample ID: 880-33676-14
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/27/23 18:04	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			09/27/23 16:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/27/23 09:19	09/27/23 16:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/27/23 09:19	09/27/23 16:59	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/27/23 09:19	09/27/23 16:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*154*	*S1+*	*70 - 130*	*09/27/23 09:19*	*09/27/23 16:59*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*09/27/23 09:19*	*09/27/23 16:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**143**		4.97		mg/Kg			09/27/23 18:33	1

Client Sample ID: CS-15 (1')

Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

Lab Sample ID: 880-33676-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:02	09/27/23 18:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:02	09/27/23 18:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:02	09/27/23 18:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/27/23 09:02	09/27/23 18:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:02	09/27/23 18:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/27/23 09:02	09/27/23 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*09/27/23 09:02*	*09/27/23 18:24*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*09/27/23 09:02*	*09/27/23 18:24*	*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			09/27/23 18:24	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			09/27/23 17:22	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		09/27/23 09:19	09/27/23 17:22	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/27/23 09:19	09/27/23 17:22	1

Client Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-15 (1')

Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

Lab Sample ID: 880-33676-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/27/23 09:19	09/27/23 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*135*	*S1+*	*70 - 130*	*09/27/23 09:19*	*09/27/23 17:22*	*1*
o-Terphenyl	*120*		*70 - 130*	*09/27/23 09:19*	*09/27/23 17:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**190**		5.04		mg/Kg			09/27/23 18:39	1

Client Sample ID: CS-16 (1')

Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

Lab Sample ID: 880-33676-16
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:02	09/27/23 18:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:02	09/27/23 18:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:02	09/27/23 18:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/27/23 09:02	09/27/23 18:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:02	09/27/23 18:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/27/23 09:02	09/27/23 18:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*09/27/23 09:02*	*09/27/23 18:45*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*09/27/23 09:02*	*09/27/23 18:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/27/23 18:45	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			09/27/23 17:44	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		09/27/23 09:19	09/27/23 17:44	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/27/23 09:19	09/27/23 17:44	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/27/23 09:19	09/27/23 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*145*	*S1+*	*70 - 130*	*09/27/23 09:19*	*09/27/23 17:44*	*1*
o-Terphenyl	*127*		*70 - 130*	*09/27/23 09:19*	*09/27/23 17:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**144**		5.03		mg/Kg			09/27/23 18:45	1

Client Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-17 (1')

Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

Lab Sample ID: 880-33676-17
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		09/27/23 09:02	09/27/23 19:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:02	09/27/23 19:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:02	09/27/23 19:05	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/27/23 09:02	09/27/23 19:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:02	09/27/23 19:05	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/27/23 09:02	09/27/23 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*09/27/23 09:02*	*09/27/23 19:05*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*09/27/23 09:02*	*09/27/23 19:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/27/23 19:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/27/23 18:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/27/23 09:19	09/27/23 18:06	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/27/23 09:19	09/27/23 18:06	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/27/23 09:19	09/27/23 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*159*	*S1+*	*70 - 130*	*09/27/23 09:19*	*09/27/23 18:06*	*1*
o-Terphenyl	*141*	*S1+*	*70 - 130*	*09/27/23 09:19*	*09/27/23 18:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**132**		5.05		mg/Kg			09/27/23 18:51	1

Client Sample ID: CS-18 (1')

Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

Lab Sample ID: 880-33676-18
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:02	09/27/23 19:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:02	09/27/23 19:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:02	09/27/23 19:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/27/23 09:02	09/27/23 19:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:02	09/27/23 19:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/27/23 09:02	09/27/23 19:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*09/27/23 09:02*	*09/27/23 19:26*	*1*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*	*09/27/23 09:02*	*09/27/23 19:26*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-18 (1')

Lab Sample ID: 880-33676-18
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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			09/27/23 19:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			09/27/23 18:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		09/27/23 09:19	09/27/23 18:28	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		09/27/23 09:19	09/27/23 18:28	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		09/27/23 09:19	09/27/23 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*09/27/23 09:19*	*09/27/23 18:28*	*1*
o-Terphenyl	*116*		*70 - 130*	*09/27/23 09:19*	*09/27/23 18:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**133**		5.02		mg/Kg			09/27/23 18:56	1

Client Sample ID: SW-1 (1.5')

Lab Sample ID: 880-33676-19
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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		09/27/23 09:02	09/27/23 19:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:02	09/27/23 19:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:02	09/27/23 19:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/27/23 09:02	09/27/23 19:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:02	09/27/23 19:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/27/23 09:02	09/27/23 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*09/27/23 09:02*	*09/27/23 19:46*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*09/27/23 09:02*	*09/27/23 19:46*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/27/23 19:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/27/23 18:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/27/23 09:19	09/27/23 18:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/27/23 09:19	09/27/23 18:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-1 (1.5')

Lab Sample ID: 880-33676-19
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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)	<49.9	U	49.9		mg/Kg		09/27/23 09:19	09/27/23 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*146*	*S1+*	*70 - 130*	*09/27/23 09:19*	*09/27/23 18:50*	*1*
o-Terphenyl	*130*		*70 - 130*	*09/27/23 09:19*	*09/27/23 18:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**108**		4.99		mg/Kg			09/27/23 19:02	1

Client Sample ID: SW-2 (1.5')

Lab Sample ID: 880-33676-20
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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		09/27/23 09:02	09/27/23 20:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:02	09/27/23 20:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:02	09/27/23 20:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/27/23 09:02	09/27/23 20:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:02	09/27/23 20:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/27/23 09:02	09/27/23 20:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*09/27/23 09:02*	*09/27/23 20:06*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*09/27/23 09:02*	*09/27/23 20:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/27/23 20:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/27/23 19:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		09/27/23 09:19	09/27/23 19:12	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		09/27/23 09:19	09/27/23 19:12	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/27/23 09:19	09/27/23 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*139*	*S1+*	*70 - 130*	*09/27/23 09:19*	*09/27/23 19:12*	*1*
o-Terphenyl	*123*		*70 - 130*	*09/27/23 09:19*	*09/27/23 19:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**129**		4.99		mg/Kg			09/27/23 19:08	1

Client Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-3 (1.5')

Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

Lab Sample ID: 880-33676-21
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1	0.00199		mg/Kg		09/27/23 09:08	09/27/23 23:44	1
Toluene	<0.00199	U F2 F1	0.00199		mg/Kg		09/27/23 09:08	09/27/23 23:44	1
Ethylbenzene	<0.00199	U F1	0.00199		mg/Kg		09/27/23 09:08	09/27/23 23:44	1
m-Xylene & p-Xylene	<0.00398	U F1	0.00398		mg/Kg		09/27/23 09:08	09/27/23 23:44	1
o-Xylene	**0.00409**	**F1**	0.00199		mg/Kg		09/27/23 09:08	09/27/23 23:44	1
Xylenes, Total	**0.00409**	**F1**	0.00398		mg/Kg		09/27/23 09:08	09/27/23 23:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*227*	*S1+*	*70 - 130*	*09/27/23 09:08*	*09/27/23 23:44*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*09/27/23 09:08*	*09/27/23 23:44*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.00409**		0.00398		mg/Kg			09/27/23 23:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			09/27/23 11:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		09/27/23 09:24	09/27/23 11:06	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		09/27/23 09:24	09/27/23 11:06	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		09/27/23 09:24	09/27/23 11:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*09/27/23 09:24*	*09/27/23 11:06*	*1*
o-Terphenyl	*98*		*70 - 130*	*09/27/23 09:24*	*09/27/23 11:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**179**		5.05		mg/Kg			09/27/23 19:55	1

Client Sample ID: SW-4 (1.5')

Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

Lab Sample ID: 880-33676-22
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:08	09/28/23 00:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:08	09/28/23 00:05	1
Ethylbenzene	**0.00555**		0.00200		mg/Kg		09/27/23 09:08	09/28/23 00:05	1
m-Xylene & p-Xylene	**0.00686**		0.00399		mg/Kg		09/27/23 09:08	09/28/23 00:05	1
o-Xylene	**0.00220**		0.00200		mg/Kg		09/27/23 09:08	09/28/23 00:05	1
Xylenes, Total	**0.00906**		0.00399		mg/Kg		09/27/23 09:08	09/28/23 00:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*205*	*S1+*	*70 - 130*	*09/27/23 09:08*	*09/28/23 00:05*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*09/27/23 09:08*	*09/28/23 00:05*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-4 (1.5')

Lab Sample ID: 880-33676-22
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0146**		0.00399		mg/Kg			09/28/23 00:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/27/23 12:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/27/23 09:24	09/27/23 12:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/27/23 09:24	09/27/23 12:12	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/27/23 09:24	09/27/23 12:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*132*	*S1+*	*70 - 130*	*09/27/23 09:24*	*09/27/23 12:12*	*1*
o-Terphenyl	*138*	*S1+*	*70 - 130*	*09/27/23 09:24*	*09/27/23 12:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**75.3**		4.98		mg/Kg			09/27/23 20:12	1

Client Sample ID: SW-5 (1.5')

Lab Sample ID: 880-33676-23
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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		09/27/23 09:08	09/28/23 00:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:08	09/28/23 00:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:08	09/28/23 00:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/27/23 09:08	09/28/23 00:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:08	09/28/23 00:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/27/23 09:08	09/28/23 00:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*235*	*S1+*	*70 - 130*	*09/27/23 09:08*	*09/28/23 00:25*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*09/27/23 09:08*	*09/28/23 00:25*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			09/28/23 00:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			09/27/23 12:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		09/27/23 09:24	09/27/23 12:34	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		09/27/23 09:24	09/27/23 12:34	1

Client Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-5 (1.5')

Lab Sample ID: 880-33676-23
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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		09/27/23 09:24	09/27/23 12:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*129*		*70 - 130*	*09/27/23 09:24*	*09/27/23 12:34*	*1*
o-Terphenyl	*136*	*S1+*	*70 - 130*	*09/27/23 09:24*	*09/27/23 12:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**115**		5.01		mg/Kg			09/27/23 20:18	1

Client Sample ID: SW-6 (1.5')

Lab Sample ID: 880-33676-24
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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		09/27/23 09:08	09/28/23 00:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:08	09/28/23 00:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:08	09/28/23 00:46	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/27/23 09:08	09/28/23 00:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:08	09/28/23 00:46	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/27/23 09:08	09/28/23 00:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*159*	*S1+*	*70 - 130*	*09/27/23 09:08*	*09/28/23 00:46*	*1*
1,4-Difluorobenzene (Surr)	*201*	*S1+*	*70 - 130*	*09/27/23 09:08*	*09/28/23 00:46*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/28/23 00:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			09/27/23 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		09/27/23 09:24	09/27/23 12:56	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		09/27/23 09:24	09/27/23 12:56	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		09/27/23 09:24	09/27/23 12:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*09/27/23 09:24*	*09/27/23 12:56*	*1*
o-Terphenyl	*120*		*70 - 130*	*09/27/23 09:24*	*09/27/23 12:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**140**		4.95		mg/Kg			09/27/23 20:24	1

Client Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-7 (1.5')

Lab Sample ID: 880-33676-25
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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		09/27/23 09:08	09/28/23 01:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:08	09/28/23 01:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:08	09/28/23 01:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/27/23 09:08	09/28/23 01:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:08	09/28/23 01:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/27/23 09:08	09/28/23 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*09/27/23 09:08*	*09/28/23 01:06*	*1*
1,4-Difluorobenzene (Surr)	*137*	*S1+*	*70 - 130*	*09/27/23 09:08*	*09/28/23 01:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/28/23 01:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			09/27/23 13:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		09/27/23 09:24	09/27/23 13:18	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/27/23 09:24	09/27/23 13:18	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/27/23 09:24	09/27/23 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*09/27/23 09:24*	*09/27/23 13:18*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*09/27/23 09:24*	*09/27/23 13:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**188**		5.02		mg/Kg			09/27/23 20:30	1

Client Sample ID: SW-8 (1')

Lab Sample ID: 880-33676-26
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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		09/27/23 09:08	09/28/23 01:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:08	09/28/23 01:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:08	09/28/23 01:26	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/27/23 09:08	09/28/23 01:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:08	09/28/23 01:26	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/27/23 09:08	09/28/23 01:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*09/27/23 09:08*	*09/28/23 01:26*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*09/27/23 09:08*	*09/28/23 01:26*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-8 (1')

Lab Sample ID: 880-33676-26
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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			09/28/23 01:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/27/23 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/27/23 09:24	09/27/23 13:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/27/23 09:24	09/27/23 13:40	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/27/23 09:24	09/27/23 13:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*129*		*70 - 130*	*09/27/23 09:24*	*09/27/23 13:40*	*1*
o-Terphenyl	*135*	*S1+*	*70 - 130*	*09/27/23 09:24*	*09/27/23 13:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**116**		5.00		mg/Kg			09/27/23 20:47	1

Client Sample ID: SW-9 (1')

Lab Sample ID: 880-33676-27
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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		09/27/23 09:08	09/28/23 01:47	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/27/23 09:08	09/28/23 01:47	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/27/23 09:08	09/28/23 01:47	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/27/23 09:08	09/28/23 01:47	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/27/23 09:08	09/28/23 01:47	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/27/23 09:08	09/28/23 01:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*09/27/23 09:08*	*09/28/23 01:47*	*1*
1,4-Difluorobenzene (Surr)	*140*	*S1+*	*70 - 130*	*09/27/23 09:08*	*09/28/23 01:47*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/28/23 01:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			09/27/23 14:02	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		09/27/23 09:24	09/27/23 14:02	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		09/27/23 09:24	09/27/23 14:02	1

Client Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-9 (1')

Lab Sample ID: 880-33676-27
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		09/27/23 09:24	09/27/23 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*09/27/23 09:24*	*09/27/23 14:02*	*1*
o-Terphenyl	*130*		*70 - 130*	*09/27/23 09:24*	*09/27/23 14:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**166**		4.97		mg/Kg			09/27/23 20:53	1

Client Sample ID: SW-10 (1')

Lab Sample ID: 880-33676-28
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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		09/27/23 09:08	09/28/23 02:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:08	09/28/23 02:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:08	09/28/23 02:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/27/23 09:08	09/28/23 02:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:08	09/28/23 02:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/27/23 09:08	09/28/23 02:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*287*	*S1+*	*70 - 130*	*09/27/23 09:08*	*09/28/23 02:07*	*1*
1,4-Difluorobenzene (Surr)	*182*	*S1+*	*70 - 130*	*09/27/23 09:08*	*09/28/23 02:07*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/28/23 02:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			09/27/23 14:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		09/27/23 09:24	09/27/23 14:24	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		09/27/23 09:24	09/27/23 14:24	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		09/27/23 09:24	09/27/23 14:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*09/27/23 09:24*	*09/27/23 14:24*	*1*
o-Terphenyl	*113*		*70 - 130*	*09/27/23 09:24*	*09/27/23 14:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**160**		4.96		mg/Kg			09/27/23 20:59	1

Client Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-11 (1')

Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

Lab Sample ID: 880-33676-29
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:08	09/28/23 02:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:08	09/28/23 02:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:08	09/28/23 02:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/27/23 09:08	09/28/23 02:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:08	09/28/23 02:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/27/23 09:08	09/28/23 02:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*09/27/23 09:08*	*09/28/23 02:28*	*1*
1,4-Difluorobenzene (Surr)	*155*	*S1+*	*70 - 130*	*09/27/23 09:08*	*09/28/23 02:28*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/28/23 02:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			09/27/23 14:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		09/27/23 09:24	09/27/23 14:46	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		09/27/23 09:24	09/27/23 14:46	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		09/27/23 09:24	09/27/23 14:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*09/27/23 09:24*	*09/27/23 14:46*	*1*
o-Terphenyl	*119*		*70 - 130*	*09/27/23 09:24*	*09/27/23 14:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**118**		5.00		mg/Kg			09/27/23 21:05	1

Client Sample ID: SW-12 (1')

Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

Lab Sample ID: 880-33676-30
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		09/27/23 09:08	09/28/23 02:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:08	09/28/23 02:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:08	09/28/23 02:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/27/23 09:08	09/28/23 02:48	1
o-Xylene	**0.00306**		0.00200		mg/Kg		09/27/23 09:08	09/28/23 02:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/27/23 09:08	09/28/23 02:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*248*	*S1+*	*70 - 130*	*09/27/23 09:08*	*09/28/23 02:48*	*1*
1,4-Difluorobenzene (Surr)	*142*	*S1+*	*70 - 130*	*09/27/23 09:08*	*09/28/23 02:48*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-12 (1')

Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

Lab Sample ID: 880-33676-30
Matrix: Solid

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			09/28/23 02:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			09/27/23 15:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		09/27/23 09:24	09/27/23 15:08	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/27/23 09:24	09/27/23 15:08	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/27/23 09:24	09/27/23 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*09/27/23 09:24*	*09/27/23 15:08*	*1*
o-Terphenyl	*127*		*70 - 130*	*09/27/23 09:24*	*09/27/23 15:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**61.9**		4.98		mg/Kg			09/27/23 21:11	1

Client Sample ID: SW-13 (1')

Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

Lab Sample ID: 880-33676-31
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		09/27/23 09:08	09/28/23 04:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:08	09/28/23 04:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:08	09/28/23 04:38	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/27/23 09:08	09/28/23 04:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:08	09/28/23 04:38	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/27/23 09:08	09/28/23 04:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*64*	*S1-*	*70 - 130*	*09/27/23 09:08*	*09/28/23 04:38*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*	*09/27/23 09:08*	*09/28/23 04:38*	*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			09/28/23 04:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			09/27/23 15:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		09/27/23 09:24	09/27/23 15:52	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/27/23 09:24	09/27/23 15:52	1

Client Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-13 (1')

Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

Lab Sample ID: 880-33676-31
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/27/23 09:24	09/27/23 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*09/27/23 09:24*	*09/27/23 15:52*	*1*
o-Terphenyl	*99*		*70 - 130*	*09/27/23 09:24*	*09/27/23 15:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**143**		4.97		mg/Kg			09/27/23 21:16	1

Client Sample ID: SW-14 (1')

Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

Lab Sample ID: 880-33676-32
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:08	09/28/23 04:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:08	09/28/23 04:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:08	09/28/23 04:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/27/23 09:08	09/28/23 04:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:08	09/28/23 04:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/27/23 09:08	09/28/23 04:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*300*	*S1+*	*70 - 130*	*09/27/23 09:08*	*09/28/23 04:58*	*1*
1,4-Difluorobenzene (Surr)	*303*	*S1+*	*70 - 130*	*09/27/23 09:08*	*09/28/23 04:58*	*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			09/28/23 04:58	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			09/27/23 16:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/27/23 09:24	09/27/23 16:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/27/23 09:24	09/27/23 16:14	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/27/23 09:24	09/27/23 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*09/27/23 09:24*	*09/27/23 16:14*	*1*
o-Terphenyl	*138*	*S1+*	*70 - 130*	*09/27/23 09:24*	*09/27/23 16:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**232**		5.04		mg/Kg			09/27/23 21:34	1

Client Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-15 (1')

Lab Sample ID: 880-33676-33
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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		09/27/23 09:08	09/28/23 05:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:08	09/28/23 05:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:08	09/28/23 05:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/27/23 09:08	09/28/23 05:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/27/23 09:08	09/28/23 05:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/27/23 09:08	09/28/23 05:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*09/27/23 09:08*	*09/28/23 05:18*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*09/27/23 09:08*	*09/28/23 05:18*	*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			09/28/23 05:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			09/27/23 16:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		09/27/23 09:24	09/27/23 16:37	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		09/27/23 09:24	09/27/23 16:37	1
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		09/27/23 09:24	09/27/23 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*136*	*S1+*	*70 - 130*	*09/27/23 09:24*	*09/27/23 16:37*	*1*
o-Terphenyl	*146*	*S1+*	*70 - 130*	*09/27/23 09:24*	*09/27/23 16:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**245**		4.99		mg/Kg			09/27/23 21:40	1

Client Sample ID: SW-16 (1')

Lab Sample ID: 880-33676-34
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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		09/27/23 09:08	09/28/23 05:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:08	09/28/23 05:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:08	09/28/23 05:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/27/23 09:08	09/28/23 05:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:08	09/28/23 05:39	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/27/23 09:08	09/28/23 05:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*09/27/23 09:08*	*09/28/23 05:39*	*1*
1,4-Difluorobenzene (Surr)	*125*		*70 - 130*	*09/27/23 09:08*	*09/28/23 05:39*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-16 (1')

Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

Lab Sample ID: 880-33676-34
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/28/23 05:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/27/23 16:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		09/27/23 09:24	09/27/23 16:59	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		09/27/23 09:24	09/27/23 16:59	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/27/23 09:24	09/27/23 16:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*09/27/23 09:24*	*09/27/23 16:59*	*1*
o-Terphenyl	*125*		*70 - 130*	*09/27/23 09:24*	*09/27/23 16:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**246**		4.98		mg/Kg			09/27/23 21:57	1

Client Sample ID: SW-17 (1')

Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

Lab Sample ID: 880-33676-35
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/27/23 09:08	09/28/23 05:59	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/27/23 09:08	09/28/23 05:59	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/27/23 09:08	09/28/23 05:59	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/27/23 09:08	09/28/23 05:59	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/27/23 09:08	09/28/23 05:59	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/27/23 09:08	09/28/23 05:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*09/27/23 09:08*	*09/28/23 05:59*	*1*
1,4-Difluorobenzene (Surr)	*121*		*70 - 130*	*09/27/23 09:08*	*09/28/23 05:59*	*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			09/28/23 05:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			09/27/23 17:22	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		09/27/23 09:24	09/27/23 17:22	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		09/27/23 09:24	09/27/23 17:22	1

Client Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-17 (1')

Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

Lab Sample ID: 880-33676-35

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)	<49.6	U	49.6		mg/Kg		09/27/23 09:24	09/27/23 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*09/27/23 09:24*	*09/27/23 17:22*	*1*
o-Terphenyl	*109*		*70 - 130*	*09/27/23 09:24*	*09/27/23 17:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	222		4.97		mg/Kg			09/27/23 22:03	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-33676-1	CS-1 (1.5')	120	159 S1+
880-33676-1 MS	CS-1 (1.5')	111	104
880-33676-1 MSD	CS-1 (1.5')	98	92
880-33676-2	CS-2 (1.5')	86	115
880-33676-3	CS-3 (1.5')	123	147 S1+
880-33676-4	CS-4 (1.5')	93	119
880-33676-5	CS-5 (1')	97	103
880-33676-6	CS-6 (1')	122	161 S1+
880-33676-7	CS-7 (1')	94	132 S1+
880-33676-8	CS-8 (1')	236 S1+	79
880-33676-9	CS-9 (1')	103	146 S1+
880-33676-10	CS-10 (1')	84	113
880-33676-11	CS-11 (1')	84	105
880-33676-12	CS-12 (1')	318 S1+	275 S1+
880-33676-13	CS-13 (1')	94	121
880-33676-14	CS-14 (1')	93	115
880-33676-15	CS-15 (1')	95	106
880-33676-16	CS-16 (1')	99	109
880-33676-17	CS-17 (1')	84	114
880-33676-18	CS-18 (1')	103	119
880-33676-19	SW-1 (1.5')	98	115
880-33676-20	SW-2 (1.5')	98	115
880-33676-21	SW-3 (1.5')	227 S1+	115
880-33676-21 MS	SW-3 (1.5')	93	100
880-33676-21 MSD	SW-3 (1.5')	110	165 S1+
880-33676-22	SW-4 (1.5')	205 S1+	91
880-33676-23	SW-5 (1.5')	235 S1+	97
880-33676-24	SW-6 (1.5')	159 S1+	201 S1+
880-33676-25	SW-7 (1.5')	98	137 S1+
880-33676-26	SW-8 (1')	89	113
880-33676-27	SW-9 (1')	87	140 S1+
880-33676-28	SW-10 (1')	287 S1+	182 S1+
880-33676-29	SW-11 (1')	92	155 S1+
880-33676-30	SW-12 (1')	248 S1+	142 S1+
880-33676-31	SW-13 (1')	64 S1-	118
880-33676-32	SW-14 (1')	300 S1+	303 S1+
880-33676-33	SW-15 (1')	81	110
880-33676-34	SW-16 (1')	88	125
880-33676-35	SW-17 (1')	81	121
LCS 880-63376/1-A	Lab Control Sample	94	100
LCS 880-63377/1-A	Lab Control Sample	103	110
LCSD 880-63376/2-A	Lab Control Sample Dup	95	96
LCSD 880-63377/2-A	Lab Control Sample Dup	99	102
MB 880-63376/5-A	Method Blank	112	130
MB 880-63377/5-A	Method Blank	119	154 S1+

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Summary

Client: Carmona Resources
Job ID: 880-33676-1
Project/Site: Hermes 9H 10H CTB
SDG: Eddy County, New Mexico

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)
880-33676-1	CS-1 (1.5')	140 S1+	125
880-33676-1 MS	CS-1 (1.5')	144 S1+	117
880-33676-1 MSD	CS-1 (1.5')	146 S1+	119
880-33676-2	CS-2 (1.5')	137 S1+	123
880-33676-3	CS-3 (1.5')	138 S1+	126
880-33676-4	CS-4 (1.5')	132 S1+	119
880-33676-5	CS-5 (1')	134 S1+	121
880-33676-6	CS-6 (1')	138 S1+	124
880-33676-7	CS-7 (1')	137 S1+	125
880-33676-8	CS-8 (1')	137 S1+	123
880-33676-9	CS-9 (1')	143 S1+	128
880-33676-10	CS-10 (1')	163 S1+	140 S1+
880-33676-11	CS-11 (1')	145 S1+	130
880-33676-12	CS-12 (1')	137 S1+	121
880-33676-13	CS-13 (1')	144 S1+	129
880-33676-14	CS-14 (1')	154 S1+	133 S1+
880-33676-15	CS-15 (1')	135 S1+	120
880-33676-16	CS-16 (1')	145 S1+	127
880-33676-17	CS-17 (1')	159 S1+	141 S1+
880-33676-18	CS-18 (1')	131 S1+	116
880-33676-19	SW-1 (1.5')	146 S1+	130
880-33676-20	SW-2 (1.5')	139 S1+	123
880-33676-21	SW-3 (1.5')	95	98
880-33676-21 MS	SW-3 (1.5')	128	123
880-33676-21 MSD	SW-3 (1.5')	116	112
880-33676-22	SW-4 (1.5')	132 S1+	138 S1+
880-33676-23	SW-5 (1.5')	129	136 S1+
880-33676-24	SW-6 (1.5')	115	120
880-33676-25	SW-7 (1.5')	126	133 S1+
880-33676-26	SW-8 (1')	129	135 S1+
880-33676-27	SW-9 (1')	121	130
880-33676-28	SW-10 (1')	106	113
880-33676-29	SW-11 (1')	113	119
880-33676-30	SW-12 (1')	123	127
880-33676-31	SW-13 (1')	93	99
880-33676-32	SW-14 (1')	131 S1+	138 S1+
880-33676-33	SW-15 (1')	136 S1+	146 S1+
880-33676-34	SW-16 (1')	120	125
880-33676-35	SW-17 (1')	102	109
LCS 880-63378/2-A	Lab Control Sample	114	140 S1+
LCS 880-63379/2-A	Lab Control Sample	71	79
LCSD 880-63378/3-A	Lab Control Sample Dup	104	105
LCSD 880-63379/3-A	Lab Control Sample Dup	73	82
MB 880-63378/1-A	Method Blank	162 S1+	157 S1+
MB 880-63379/1-A	Method Blank	75	85

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-63376/5-A
Matrix: Solid
Analysis Batch: 63375

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 63376

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:02	09/27/23 11:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:02	09/27/23 11:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:02	09/27/23 11:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/27/23 09:02	09/27/23 11:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:02	09/27/23 11:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/27/23 09:02	09/27/23 11:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*09/27/23 09:02*	*09/27/23 11:39*	*1*
1,4-Difluorobenzene (Surr)	*130*		*70 - 130*	*09/27/23 09:02*	*09/27/23 11:39*	*1*

Lab Sample ID: LCS 880-63376/1-A
Matrix: Solid
Analysis Batch: 63375

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 63376

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1111		mg/Kg		111	70 - 130		
Toluene			0.100	0.1085		mg/Kg		109	70 - 130		
Ethylbenzene			0.100	0.09917		mg/Kg		99	70 - 130		
m-Xylene & p-Xylene			0.200	0.2163		mg/Kg		108	70 - 130		
o-Xylene			0.100	0.1013		mg/Kg		101	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-63376/2-A
Matrix: Solid
Analysis Batch: 63375

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 63376

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1045		mg/Kg		104	70 - 130	6	35
Toluene			0.100	0.1006		mg/Kg		101	70 - 130	8	35
Ethylbenzene			0.100	0.09455		mg/Kg		95	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.2108		mg/Kg		105	70 - 130	3	35
o-Xylene			0.100	0.09784		mg/Kg		98	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 880-33676-1 MS
Matrix: Solid
Analysis Batch: 63375

Client Sample ID: CS-1 (1.5')
Prep Type: Total/NA
Prep Batch: 63376

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.0996	0.09190		mg/Kg		92	70 - 130		
Toluene	<0.00199	U	0.0996	0.07530		mg/Kg		76	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-33676-1 MS
Matrix: Solid
Analysis Batch: 63375

Client Sample ID: CS-1 (1.5')
Prep Type: Total/NA
Prep Batch: 63376

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U F1	0.0996	0.07152		mg/Kg		72	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.199	0.1693		mg/Kg		84	70 - 130
o-Xylene	<0.00199	U F1	0.0996	0.08104		mg/Kg		81	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 880-33676-1 MSD
Matrix: Solid
Analysis Batch: 63375

Client Sample ID: CS-1 (1.5')
Prep Type: Total/NA
Prep Batch: 63376

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0996	0.08009		mg/Kg		80	70 - 130	14	35
Toluene	<0.00199	U	0.0996	0.07175		mg/Kg		72	70 - 130	5	35
Ethylbenzene	<0.00199	U F1	0.0996	0.05582	F1	mg/Kg		56	70 - 130	25	35
m-Xylene & p-Xylene	<0.00398	U F1	0.199	0.1279	F1	mg/Kg		64	70 - 130	28	35
o-Xylene	<0.00199	U F1	0.0996	0.06481	F1	mg/Kg		64	70 - 130	22	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: MB 880-63377/5-A
Matrix: Solid
Analysis Batch: 63375

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 63377

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:08	09/27/23 23:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:08	09/27/23 23:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:08	09/27/23 23:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/27/23 09:08	09/27/23 23:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/27/23 09:08	09/27/23 23:16	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/27/23 09:08	09/27/23 23:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*09/27/23 09:08*	*09/27/23 23:16*	*1*
1,4-Difluorobenzene (Surr)	*154*	*S1+*	*70 - 130*	*09/27/23 09:08*	*09/27/23 23:16*	*1*

Lab Sample ID: LCS 880-63377/1-A
Matrix: Solid
Analysis Batch: 63375

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 63377

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1132		mg/Kg		113	70 - 130
Toluene	0.100	0.09333		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.09423		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.200	0.2096		mg/Kg		105	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-63377/1-A
Matrix: Solid
Analysis Batch: 63375

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 63377

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.09937		mg/Kg		99	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: LCSD 880-63377/2-A
Matrix: Solid
Analysis Batch: 63375

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 63377

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1060		mg/Kg		106	70 - 130	7	35
Toluene			0.100	0.09643		mg/Kg		96	70 - 130	3	35
Ethylbenzene			0.100	0.08784		mg/Kg		88	70 - 130	7	35
m-Xylene & p-Xylene			0.200	0.2083		mg/Kg		104	70 - 130	1	35
o-Xylene			0.100	0.1012		mg/Kg		101	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-33676-21 MS
Matrix: Solid
Analysis Batch: 63375

Client Sample ID: SW-3 (1.5')
Prep Type: Total/NA
Prep Batch: 63377

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U F1	0.0998	0.04807	F1	mg/Kg		47	70 - 130		
Toluene	<0.00199	U F2 F1	0.0998	0.04359	F1	mg/Kg		43	70 - 130		
Ethylbenzene	<0.00199	U F1	0.0998	0.03681	F1	mg/Kg		37	70 - 130		
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.09185	F1	mg/Kg		44	70 - 130		
o-Xylene	0.00409	F1	0.0998	0.04597	F1	mg/Kg		42	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-33676-21 MSD
Matrix: Solid
Analysis Batch: 63375

Client Sample ID: SW-3 (1.5')
Prep Type: Total/NA
Prep Batch: 63377

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.0990	0.06706	F1	mg/Kg		66	70 - 130	33	35
Toluene	<0.00199	U F2 F1	0.0990	0.02669	F2 F1	mg/Kg		26	70 - 130	48	35
Ethylbenzene	<0.00199	U F1	0.0990	0.02988	F1	mg/Kg		30	70 - 130	21	35
m-Xylene & p-Xylene	<0.00398	U F1	0.198	0.1041	F1	mg/Kg		51	70 - 130	13	35
o-Xylene	0.00409	F1	0.0990	0.05361	F1	mg/Kg		50	70 - 130	15	35

QC Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-33676-21 MSD
Matrix: Solid
Analysis Batch: 63375

Client Sample ID: SW-3 (1.5')
Prep Type: Total/NA
Prep Batch: 63377

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	165	S1+	70 - 130

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

Lab Sample ID: MB 880-63378/1-A
Matrix: Solid
Analysis Batch: 63366

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 63378

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		09/27/23 08:00	09/27/23 08:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/27/23 08:00	09/27/23 08:33	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/27/23 08:00	09/27/23 08:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	162	S1+	70 - 130	09/27/23 08:00	09/27/23 08:33	1
o-Terphenyl	157	S1+	70 - 130	09/27/23 08:00	09/27/23 08:33	1

Lab Sample ID: LCS 880-63378/2-A
Matrix: Solid
Analysis Batch: 63366

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 63378

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1052		mg/Kg		105	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1084		mg/Kg		108	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	140	S1+	70 - 130

Lab Sample ID: LCSD 880-63378/3-A
Matrix: Solid
Analysis Batch: 63366

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 63378

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1063		mg/Kg		106	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1082		mg/Kg		108	70 - 130	0	20

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

QC Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-33676-1 MS
Matrix: Solid
Analysis Batch: 63366

Client Sample ID: CS-1 (1.5')
Prep Type: Total/NA
Prep Batch: 63378

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	912.8		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U F1	998	1306	F1	mg/Kg		131	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*144*	*S1+*	*70 - 130*
o-Terphenyl	*117*		*70 - 130*

Lab Sample ID: 880-33676-1 MSD
Matrix: Solid
Analysis Batch: 63366

Client Sample ID: CS-1 (1.5')
Prep Type: Total/NA
Prep Batch: 63378

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	954.7		mg/Kg		94	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<49.8	U F1	998	1343	F1	mg/Kg		135	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*146*	*S1+*	*70 - 130*
o-Terphenyl	*119*		*70 - 130*

Lab Sample ID: MB 880-63379/1-A
Matrix: Solid
Analysis Batch: 63368

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 63379

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		09/27/23 08:00	09/27/23 08:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/27/23 08:00	09/27/23 08:33	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/27/23 08:00	09/27/23 08:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*09/27/23 08:00*	*09/27/23 08:33*	*1*
o-Terphenyl	*85*		*70 - 130*	*09/27/23 08:00*	*09/27/23 08:33*	*1*

Lab Sample ID: LCS 880-63379/2-A
Matrix: Solid
Analysis Batch: 63368

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 63379

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	900.9		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	1000	838.6		mg/Kg		84	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-63379/2-A
Matrix: Solid
Analysis Batch: 63368

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 63379

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	71		70 - 130
o-Terphenyl	79		70 - 130

Lab Sample ID: LCSD 880-63379/3-A
Matrix: Solid
Analysis Batch: 63368

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 63379

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	905.9		mg/Kg		91	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	836.5		mg/Kg		84	70 - 130	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	73		70 - 130
o-Terphenyl	82		70 - 130

Lab Sample ID: 880-33676-21 MS
Matrix: Solid
Analysis Batch: 63368

Client Sample ID: SW-3 (1.5')
Prep Type: Total/NA
Prep Batch: 63379

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	1000	883.5		mg/Kg		87	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.6	U	1000	1079		mg/Kg		104	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	128		70 - 130
o-Terphenyl	123		70 - 130

Lab Sample ID: 880-33676-21 MSD
Matrix: Solid
Analysis Batch: 63368

Client Sample ID: SW-3 (1.5')
Prep Type: Total/NA
Prep Batch: 63379

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	1000	780.8		mg/Kg		76	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	<49.6	U	1000	980.7		mg/Kg		94	70 - 130	10	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	116		70 - 130
o-Terphenyl	112		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-63382/1-A
Matrix: Solid
Analysis Batch: 63431

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			09/27/23 16:13	1

Lab Sample ID: LCS 880-63382/2-A
Matrix: Solid
Analysis Batch: 63431

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	242.8		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-63382/3-A
Matrix: Solid
Analysis Batch: 63431

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	231.8		mg/Kg		93	90 - 110	5	20

Lab Sample ID: 880-33676-1 MS
Matrix: Solid
Analysis Batch: 63431

Client Sample ID: CS-1 (1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	185	F1	250	363.2	F1	mg/Kg		71	90 - 110		

Lab Sample ID: 880-33676-1 MSD
Matrix: Solid
Analysis Batch: 63431

Client Sample ID: CS-1 (1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	185	F1	250	351.2	F1	mg/Kg		66	90 - 110	3	20

Lab Sample ID: 880-33676-11 MS
Matrix: Solid
Analysis Batch: 63431

Client Sample ID: CS-11 (1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	197		251	441.6		mg/Kg		98	90 - 110		

Lab Sample ID: 880-33676-11 MSD
Matrix: Solid
Analysis Batch: 63431

Client Sample ID: CS-11 (1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	197		251	428.7		mg/Kg		92	90 - 110	3	20

Lab Sample ID: MB 880-63381/1-A
Matrix: Solid
Analysis Batch: 63434

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			09/27/23 19:37	1

QC Sample Results

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-63381/2-A
Matrix: Solid
Analysis Batch: 63434

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	243.8		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-63381/3-A
Matrix: Solid
Analysis Batch: 63434

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	237.5		mg/Kg		95	90 - 110	3	20

Lab Sample ID: 880-33676-21 MS
Matrix: Solid
Analysis Batch: 63434

Client Sample ID: SW-3 (1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	179		253	428.2		mg/Kg		99	90 - 110		

Lab Sample ID: 880-33676-21 MSD
Matrix: Solid
Analysis Batch: 63434

Client Sample ID: SW-3 (1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	179		253	423.8		mg/Kg		97	90 - 110	1	20

Lab Sample ID: 880-33676-31 MS
Matrix: Solid
Analysis Batch: 63434

Client Sample ID: SW-13 (1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	143		249	386.9		mg/Kg		98	90 - 110		

Lab Sample ID: 880-33676-31 MSD
Matrix: Solid
Analysis Batch: 63434

Client Sample ID: SW-13 (1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	143		249	385.0		mg/Kg		98	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 63375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33676-1	CS-1 (1.5')	Total/NA	Solid	8021B	63376
880-33676-2	CS-2 (1.5')	Total/NA	Solid	8021B	63376
880-33676-3	CS-3 (1.5')	Total/NA	Solid	8021B	63376
880-33676-4	CS-4 (1.5')	Total/NA	Solid	8021B	63376
880-33676-5	CS-5 (1')	Total/NA	Solid	8021B	63376
880-33676-6	CS-6 (1')	Total/NA	Solid	8021B	63376
880-33676-7	CS-7 (1')	Total/NA	Solid	8021B	63376
880-33676-8	CS-8 (1')	Total/NA	Solid	8021B	63376
880-33676-9	CS-9 (1')	Total/NA	Solid	8021B	63376
880-33676-10	CS-10 (1')	Total/NA	Solid	8021B	63376
880-33676-11	CS-11 (1')	Total/NA	Solid	8021B	63376
880-33676-12	CS-12 (1')	Total/NA	Solid	8021B	63376
880-33676-13	CS-13 (1')	Total/NA	Solid	8021B	63376
880-33676-14	CS-14 (1')	Total/NA	Solid	8021B	63376
880-33676-15	CS-15 (1')	Total/NA	Solid	8021B	63376
880-33676-16	CS-16 (1')	Total/NA	Solid	8021B	63376
880-33676-17	CS-17 (1')	Total/NA	Solid	8021B	63376
880-33676-18	CS-18 (1')	Total/NA	Solid	8021B	63376
880-33676-19	SW-1 (1.5')	Total/NA	Solid	8021B	63376
880-33676-20	SW-2 (1.5')	Total/NA	Solid	8021B	63376
880-33676-21	SW-3 (1.5')	Total/NA	Solid	8021B	63377
880-33676-22	SW-4 (1.5')	Total/NA	Solid	8021B	63377
880-33676-23	SW-5 (1.5')	Total/NA	Solid	8021B	63377
880-33676-24	SW-6 (1.5')	Total/NA	Solid	8021B	63377
880-33676-25	SW-7 (1.5')	Total/NA	Solid	8021B	63377
880-33676-26	SW-8 (1')	Total/NA	Solid	8021B	63377
880-33676-27	SW-9 (1')	Total/NA	Solid	8021B	63377
880-33676-28	SW-10 (1')	Total/NA	Solid	8021B	63377
880-33676-29	SW-11 (1')	Total/NA	Solid	8021B	63377
880-33676-30	SW-12 (1')	Total/NA	Solid	8021B	63377
880-33676-31	SW-13 (1')	Total/NA	Solid	8021B	63377
880-33676-32	SW-14 (1')	Total/NA	Solid	8021B	63377
880-33676-33	SW-15 (1')	Total/NA	Solid	8021B	63377
880-33676-34	SW-16 (1')	Total/NA	Solid	8021B	63377
880-33676-35	SW-17 (1')	Total/NA	Solid	8021B	63377
MB 880-63376/5-A	Method Blank	Total/NA	Solid	8021B	63376
MB 880-63377/5-A	Method Blank	Total/NA	Solid	8021B	63377
LCS 880-63376/1-A	Lab Control Sample	Total/NA	Solid	8021B	63376
LCS 880-63377/1-A	Lab Control Sample	Total/NA	Solid	8021B	63377
LCSD 880-63376/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	63376
LCSD 880-63377/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	63377
880-33676-1 MS	CS-1 (1.5')	Total/NA	Solid	8021B	63376
880-33676-1 MSD	CS-1 (1.5')	Total/NA	Solid	8021B	63376
880-33676-21 MS	SW-3 (1.5')	Total/NA	Solid	8021B	63377
880-33676-21 MSD	SW-3 (1.5')	Total/NA	Solid	8021B	63377

Prep Batch: 63376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33676-1	CS-1 (1.5')	Total/NA	Solid	5035	
880-33676-2	CS-2 (1.5')	Total/NA	Solid	5035	
880-33676-3	CS-3 (1.5')	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Prep Batch: 63376 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33676-4	CS-4 (1.5')	Total/NA	Solid	5035	
880-33676-5	CS-5 (1')	Total/NA	Solid	5035	
880-33676-6	CS-6 (1')	Total/NA	Solid	5035	
880-33676-7	CS-7 (1')	Total/NA	Solid	5035	
880-33676-8	CS-8 (1')	Total/NA	Solid	5035	
880-33676-9	CS-9 (1')	Total/NA	Solid	5035	
880-33676-10	CS-10 (1')	Total/NA	Solid	5035	
880-33676-11	CS-11 (1')	Total/NA	Solid	5035	
880-33676-12	CS-12 (1')	Total/NA	Solid	5035	
880-33676-13	CS-13 (1')	Total/NA	Solid	5035	
880-33676-14	CS-14 (1')	Total/NA	Solid	5035	
880-33676-15	CS-15 (1')	Total/NA	Solid	5035	
880-33676-16	CS-16 (1')	Total/NA	Solid	5035	
880-33676-17	CS-17 (1')	Total/NA	Solid	5035	
880-33676-18	CS-18 (1')	Total/NA	Solid	5035	
880-33676-19	SW-1 (1.5')	Total/NA	Solid	5035	
880-33676-20	SW-2 (1.5')	Total/NA	Solid	5035	
MB 880-63376/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-63376/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-63376/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-33676-1 MS	CS-1 (1.5')	Total/NA	Solid	5035	
880-33676-1 MSD	CS-1 (1.5')	Total/NA	Solid	5035	

Prep Batch: 63377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33676-21	SW-3 (1.5')	Total/NA	Solid	5035	
880-33676-22	SW-4 (1.5')	Total/NA	Solid	5035	
880-33676-23	SW-5 (1.5')	Total/NA	Solid	5035	
880-33676-24	SW-6 (1.5')	Total/NA	Solid	5035	
880-33676-25	SW-7 (1.5')	Total/NA	Solid	5035	
880-33676-26	SW-8 (1')	Total/NA	Solid	5035	
880-33676-27	SW-9 (1')	Total/NA	Solid	5035	
880-33676-28	SW-10 (1')	Total/NA	Solid	5035	
880-33676-29	SW-11 (1')	Total/NA	Solid	5035	
880-33676-30	SW-12 (1')	Total/NA	Solid	5035	
880-33676-31	SW-13 (1')	Total/NA	Solid	5035	
880-33676-32	SW-14 (1')	Total/NA	Solid	5035	
880-33676-33	SW-15 (1')	Total/NA	Solid	5035	
880-33676-34	SW-16 (1')	Total/NA	Solid	5035	
880-33676-35	SW-17 (1')	Total/NA	Solid	5035	
MB 880-63377/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-63377/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-63377/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-33676-21 MS	SW-3 (1.5')	Total/NA	Solid	5035	
880-33676-21 MSD	SW-3 (1.5')	Total/NA	Solid	5035	

Analysis Batch: 63500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33676-1	CS-1 (1.5')	Total/NA	Solid	Total BTEX	
880-33676-2	CS-2 (1.5')	Total/NA	Solid	Total BTEX	
880-33676-3	CS-3 (1.5')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 63500 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33676-4	CS-4 (1.5')	Total/NA	Solid	Total BTEX	
880-33676-5	CS-5 (1')	Total/NA	Solid	Total BTEX	
880-33676-6	CS-6 (1')	Total/NA	Solid	Total BTEX	
880-33676-7	CS-7 (1')	Total/NA	Solid	Total BTEX	
880-33676-8	CS-8 (1')	Total/NA	Solid	Total BTEX	
880-33676-9	CS-9 (1')	Total/NA	Solid	Total BTEX	
880-33676-10	CS-10 (1')	Total/NA	Solid	Total BTEX	
880-33676-11	CS-11 (1')	Total/NA	Solid	Total BTEX	
880-33676-12	CS-12 (1')	Total/NA	Solid	Total BTEX	
880-33676-13	CS-13 (1')	Total/NA	Solid	Total BTEX	
880-33676-14	CS-14 (1')	Total/NA	Solid	Total BTEX	
880-33676-15	CS-15 (1')	Total/NA	Solid	Total BTEX	
880-33676-16	CS-16 (1')	Total/NA	Solid	Total BTEX	
880-33676-17	CS-17 (1')	Total/NA	Solid	Total BTEX	
880-33676-18	CS-18 (1')	Total/NA	Solid	Total BTEX	
880-33676-19	SW-1 (1.5')	Total/NA	Solid	Total BTEX	
880-33676-20	SW-2 (1.5')	Total/NA	Solid	Total BTEX	
880-33676-21	SW-3 (1.5')	Total/NA	Solid	Total BTEX	
880-33676-22	SW-4 (1.5')	Total/NA	Solid	Total BTEX	
880-33676-23	SW-5 (1.5')	Total/NA	Solid	Total BTEX	
880-33676-24	SW-6 (1.5')	Total/NA	Solid	Total BTEX	
880-33676-25	SW-7 (1.5')	Total/NA	Solid	Total BTEX	
880-33676-26	SW-8 (1')	Total/NA	Solid	Total BTEX	
880-33676-27	SW-9 (1')	Total/NA	Solid	Total BTEX	
880-33676-28	SW-10 (1')	Total/NA	Solid	Total BTEX	
880-33676-29	SW-11 (1')	Total/NA	Solid	Total BTEX	
880-33676-30	SW-12 (1')	Total/NA	Solid	Total BTEX	
880-33676-31	SW-13 (1')	Total/NA	Solid	Total BTEX	
880-33676-32	SW-14 (1')	Total/NA	Solid	Total BTEX	
880-33676-33	SW-15 (1')	Total/NA	Solid	Total BTEX	
880-33676-34	SW-16 (1')	Total/NA	Solid	Total BTEX	
880-33676-35	SW-17 (1')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 63366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33676-1	CS-1 (1.5')	Total/NA	Solid	8015B NM	63378
880-33676-2	CS-2 (1.5')	Total/NA	Solid	8015B NM	63378
880-33676-3	CS-3 (1.5')	Total/NA	Solid	8015B NM	63378
880-33676-4	CS-4 (1.5')	Total/NA	Solid	8015B NM	63378
880-33676-5	CS-5 (1')	Total/NA	Solid	8015B NM	63378
880-33676-6	CS-6 (1')	Total/NA	Solid	8015B NM	63378
880-33676-7	CS-7 (1')	Total/NA	Solid	8015B NM	63378
880-33676-8	CS-8 (1')	Total/NA	Solid	8015B NM	63378
880-33676-9	CS-9 (1')	Total/NA	Solid	8015B NM	63378
880-33676-10	CS-10 (1')	Total/NA	Solid	8015B NM	63378
880-33676-11	CS-11 (1')	Total/NA	Solid	8015B NM	63378
880-33676-12	CS-12 (1')	Total/NA	Solid	8015B NM	63378
880-33676-13	CS-13 (1')	Total/NA	Solid	8015B NM	63378
880-33676-14	CS-14 (1')	Total/NA	Solid	8015B NM	63378

QC Association Summary

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 63366 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33676-15	CS-15 (1')	Total/NA	Solid	8015B NM	63378
880-33676-16	CS-16 (1')	Total/NA	Solid	8015B NM	63378
880-33676-17	CS-17 (1')	Total/NA	Solid	8015B NM	63378
880-33676-18	CS-18 (1')	Total/NA	Solid	8015B NM	63378
880-33676-19	SW-1 (1.5')	Total/NA	Solid	8015B NM	63378
880-33676-20	SW-2 (1.5')	Total/NA	Solid	8015B NM	63378
MB 880-63378/1-A	Method Blank	Total/NA	Solid	8015B NM	63378
LCS 880-63378/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	63378
LCSD 880-63378/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	63378
880-33676-1 MS	CS-1 (1.5')	Total/NA	Solid	8015B NM	63378
880-33676-1 MSD	CS-1 (1.5')	Total/NA	Solid	8015B NM	63378

Analysis Batch: 63368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33676-21	SW-3 (1.5')	Total/NA	Solid	8015B NM	63379
880-33676-22	SW-4 (1.5')	Total/NA	Solid	8015B NM	63379
880-33676-23	SW-5 (1.5')	Total/NA	Solid	8015B NM	63379
880-33676-24	SW-6 (1.5')	Total/NA	Solid	8015B NM	63379
880-33676-25	SW-7 (1.5')	Total/NA	Solid	8015B NM	63379
880-33676-26	SW-8 (1')	Total/NA	Solid	8015B NM	63379
880-33676-27	SW-9 (1')	Total/NA	Solid	8015B NM	63379
880-33676-28	SW-10 (1')	Total/NA	Solid	8015B NM	63379
880-33676-29	SW-11 (1')	Total/NA	Solid	8015B NM	63379
880-33676-30	SW-12 (1')	Total/NA	Solid	8015B NM	63379
880-33676-31	SW-13 (1')	Total/NA	Solid	8015B NM	63379
880-33676-32	SW-14 (1')	Total/NA	Solid	8015B NM	63379
880-33676-33	SW-15 (1')	Total/NA	Solid	8015B NM	63379
880-33676-34	SW-16 (1')	Total/NA	Solid	8015B NM	63379
880-33676-35	SW-17 (1')	Total/NA	Solid	8015B NM	63379
MB 880-63379/1-A	Method Blank	Total/NA	Solid	8015B NM	63379
LCS 880-63379/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	63379
LCSD 880-63379/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	63379
880-33676-21 MS	SW-3 (1.5')	Total/NA	Solid	8015B NM	63379
880-33676-21 MSD	SW-3 (1.5')	Total/NA	Solid	8015B NM	63379

Prep Batch: 63378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33676-1	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-33676-2	CS-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-33676-3	CS-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-33676-4	CS-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-33676-5	CS-5 (1')	Total/NA	Solid	8015NM Prep	
880-33676-6	CS-6 (1')	Total/NA	Solid	8015NM Prep	
880-33676-7	CS-7 (1')	Total/NA	Solid	8015NM Prep	
880-33676-8	CS-8 (1')	Total/NA	Solid	8015NM Prep	
880-33676-9	CS-9 (1')	Total/NA	Solid	8015NM Prep	
880-33676-10	CS-10 (1')	Total/NA	Solid	8015NM Prep	
880-33676-11	CS-11 (1')	Total/NA	Solid	8015NM Prep	
880-33676-12	CS-12 (1')	Total/NA	Solid	8015NM Prep	
880-33676-13	CS-13 (1')	Total/NA	Solid	8015NM Prep	
880-33676-14	CS-14 (1')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 63378 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33676-15	CS-15 (1')	Total/NA	Solid	8015NM Prep	
880-33676-16	CS-16 (1')	Total/NA	Solid	8015NM Prep	
880-33676-17	CS-17 (1')	Total/NA	Solid	8015NM Prep	
880-33676-18	CS-18 (1')	Total/NA	Solid	8015NM Prep	
880-33676-19	SW-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-33676-20	SW-2 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-63378/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-63378/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-63378/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-33676-1 MS	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-33676-1 MSD	CS-1 (1.5')	Total/NA	Solid	8015NM Prep	

Prep Batch: 63379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33676-21	SW-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-33676-22	SW-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-33676-23	SW-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-33676-24	SW-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-33676-25	SW-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-33676-26	SW-8 (1')	Total/NA	Solid	8015NM Prep	
880-33676-27	SW-9 (1')	Total/NA	Solid	8015NM Prep	
880-33676-28	SW-10 (1')	Total/NA	Solid	8015NM Prep	
880-33676-29	SW-11 (1')	Total/NA	Solid	8015NM Prep	
880-33676-30	SW-12 (1')	Total/NA	Solid	8015NM Prep	
880-33676-31	SW-13 (1')	Total/NA	Solid	8015NM Prep	
880-33676-32	SW-14 (1')	Total/NA	Solid	8015NM Prep	
880-33676-33	SW-15 (1')	Total/NA	Solid	8015NM Prep	
880-33676-34	SW-16 (1')	Total/NA	Solid	8015NM Prep	
880-33676-35	SW-17 (1')	Total/NA	Solid	8015NM Prep	
MB 880-63379/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-63379/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-63379/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-33676-21 MS	SW-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-33676-21 MSD	SW-3 (1.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 63529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33676-1	CS-1 (1.5')	Total/NA	Solid	8015 NM	
880-33676-2	CS-2 (1.5')	Total/NA	Solid	8015 NM	
880-33676-3	CS-3 (1.5')	Total/NA	Solid	8015 NM	
880-33676-4	CS-4 (1.5')	Total/NA	Solid	8015 NM	
880-33676-5	CS-5 (1')	Total/NA	Solid	8015 NM	
880-33676-6	CS-6 (1')	Total/NA	Solid	8015 NM	
880-33676-7	CS-7 (1')	Total/NA	Solid	8015 NM	
880-33676-8	CS-8 (1')	Total/NA	Solid	8015 NM	
880-33676-9	CS-9 (1')	Total/NA	Solid	8015 NM	
880-33676-10	CS-10 (1')	Total/NA	Solid	8015 NM	
880-33676-11	CS-11 (1')	Total/NA	Solid	8015 NM	
880-33676-12	CS-12 (1')	Total/NA	Solid	8015 NM	
880-33676-13	CS-13 (1')	Total/NA	Solid	8015 NM	
880-33676-14	CS-14 (1')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 63529 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33676-15	CS-15 (1')	Total/NA	Solid	8015 NM	
880-33676-16	CS-16 (1')	Total/NA	Solid	8015 NM	
880-33676-17	CS-17 (1')	Total/NA	Solid	8015 NM	
880-33676-18	CS-18 (1')	Total/NA	Solid	8015 NM	
880-33676-19	SW-1 (1.5')	Total/NA	Solid	8015 NM	
880-33676-20	SW-2 (1.5')	Total/NA	Solid	8015 NM	
880-33676-21	SW-3 (1.5')	Total/NA	Solid	8015 NM	
880-33676-22	SW-4 (1.5')	Total/NA	Solid	8015 NM	
880-33676-23	SW-5 (1.5')	Total/NA	Solid	8015 NM	
880-33676-24	SW-6 (1.5')	Total/NA	Solid	8015 NM	
880-33676-25	SW-7 (1.5')	Total/NA	Solid	8015 NM	
880-33676-26	SW-8 (1')	Total/NA	Solid	8015 NM	
880-33676-27	SW-9 (1')	Total/NA	Solid	8015 NM	
880-33676-28	SW-10 (1')	Total/NA	Solid	8015 NM	
880-33676-29	SW-11 (1')	Total/NA	Solid	8015 NM	
880-33676-30	SW-12 (1')	Total/NA	Solid	8015 NM	
880-33676-31	SW-13 (1')	Total/NA	Solid	8015 NM	
880-33676-32	SW-14 (1')	Total/NA	Solid	8015 NM	
880-33676-33	SW-15 (1')	Total/NA	Solid	8015 NM	
880-33676-34	SW-16 (1')	Total/NA	Solid	8015 NM	
880-33676-35	SW-17 (1')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 63381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33676-21	SW-3 (1.5')	Soluble	Solid	DI Leach	
880-33676-22	SW-4 (1.5')	Soluble	Solid	DI Leach	
880-33676-23	SW-5 (1.5')	Soluble	Solid	DI Leach	
880-33676-24	SW-6 (1.5')	Soluble	Solid	DI Leach	
880-33676-25	SW-7 (1.5')	Soluble	Solid	DI Leach	
880-33676-26	SW-8 (1')	Soluble	Solid	DI Leach	
880-33676-27	SW-9 (1')	Soluble	Solid	DI Leach	
880-33676-28	SW-10 (1')	Soluble	Solid	DI Leach	
880-33676-29	SW-11 (1')	Soluble	Solid	DI Leach	
880-33676-30	SW-12 (1')	Soluble	Solid	DI Leach	
880-33676-31	SW-13 (1')	Soluble	Solid	DI Leach	
880-33676-32	SW-14 (1')	Soluble	Solid	DI Leach	
880-33676-33	SW-15 (1')	Soluble	Solid	DI Leach	
880-33676-34	SW-16 (1')	Soluble	Solid	DI Leach	
880-33676-35	SW-17 (1')	Soluble	Solid	DI Leach	
MB 880-63381/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-63381/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-63381/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-33676-21 MS	SW-3 (1.5')	Soluble	Solid	DI Leach	
880-33676-21 MSD	SW-3 (1.5')	Soluble	Solid	DI Leach	
880-33676-31 MS	SW-13 (1')	Soluble	Solid	DI Leach	
880-33676-31 MSD	SW-13 (1')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

HPLC/IC

Leach Batch: 63382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33676-1	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-33676-2	CS-2 (1.5')	Soluble	Solid	DI Leach	
880-33676-3	CS-3 (1.5')	Soluble	Solid	DI Leach	
880-33676-4	CS-4 (1.5')	Soluble	Solid	DI Leach	
880-33676-5	CS-5 (1')	Soluble	Solid	DI Leach	
880-33676-6	CS-6 (1')	Soluble	Solid	DI Leach	
880-33676-7	CS-7 (1')	Soluble	Solid	DI Leach	
880-33676-8	CS-8 (1')	Soluble	Solid	DI Leach	
880-33676-9	CS-9 (1')	Soluble	Solid	DI Leach	
880-33676-10	CS-10 (1')	Soluble	Solid	DI Leach	
880-33676-11	CS-11 (1')	Soluble	Solid	DI Leach	
880-33676-12	CS-12 (1')	Soluble	Solid	DI Leach	
880-33676-13	CS-13 (1')	Soluble	Solid	DI Leach	
880-33676-14	CS-14 (1')	Soluble	Solid	DI Leach	
880-33676-15	CS-15 (1')	Soluble	Solid	DI Leach	
880-33676-16	CS-16 (1')	Soluble	Solid	DI Leach	
880-33676-17	CS-17 (1')	Soluble	Solid	DI Leach	
880-33676-18	CS-18 (1')	Soluble	Solid	DI Leach	
880-33676-19	SW-1 (1.5')	Soluble	Solid	DI Leach	
880-33676-20	SW-2 (1.5')	Soluble	Solid	DI Leach	
MB 880-63382/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-63382/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-63382/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-33676-1 MS	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-33676-1 MSD	CS-1 (1.5')	Soluble	Solid	DI Leach	
880-33676-11 MS	CS-11 (1')	Soluble	Solid	DI Leach	
880-33676-11 MSD	CS-11 (1')	Soluble	Solid	DI Leach	

Analysis Batch: 63431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33676-1	CS-1 (1.5')	Soluble	Solid	300.0	63382
880-33676-2	CS-2 (1.5')	Soluble	Solid	300.0	63382
880-33676-3	CS-3 (1.5')	Soluble	Solid	300.0	63382
880-33676-4	CS-4 (1.5')	Soluble	Solid	300.0	63382
880-33676-5	CS-5 (1')	Soluble	Solid	300.0	63382
880-33676-6	CS-6 (1')	Soluble	Solid	300.0	63382
880-33676-7	CS-7 (1')	Soluble	Solid	300.0	63382
880-33676-8	CS-8 (1')	Soluble	Solid	300.0	63382
880-33676-9	CS-9 (1')	Soluble	Solid	300.0	63382
880-33676-10	CS-10 (1')	Soluble	Solid	300.0	63382
880-33676-11	CS-11 (1')	Soluble	Solid	300.0	63382
880-33676-12	CS-12 (1')	Soluble	Solid	300.0	63382
880-33676-13	CS-13 (1')	Soluble	Solid	300.0	63382
880-33676-14	CS-14 (1')	Soluble	Solid	300.0	63382
880-33676-15	CS-15 (1')	Soluble	Solid	300.0	63382
880-33676-16	CS-16 (1')	Soluble	Solid	300.0	63382
880-33676-17	CS-17 (1')	Soluble	Solid	300.0	63382
880-33676-18	CS-18 (1')	Soluble	Solid	300.0	63382
880-33676-19	SW-1 (1.5')	Soluble	Solid	300.0	63382
880-33676-20	SW-2 (1.5')	Soluble	Solid	300.0	63382
MB 880-63382/1-A	Method Blank	Soluble	Solid	300.0	63382

QC Association Summary

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 63431 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-63382/2-A	Lab Control Sample	Soluble	Solid	300.0	63382
LCSD 880-63382/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	63382
880-33676-1 MS	CS-1 (1.5')	Soluble	Solid	300.0	63382
880-33676-1 MSD	CS-1 (1.5')	Soluble	Solid	300.0	63382
880-33676-11 MS	CS-11 (1')	Soluble	Solid	300.0	63382
880-33676-11 MSD	CS-11 (1')	Soluble	Solid	300.0	63382

Analysis Batch: 63434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33676-21	SW-3 (1.5')	Soluble	Solid	300.0	63381
880-33676-22	SW-4 (1.5')	Soluble	Solid	300.0	63381
880-33676-23	SW-5 (1.5')	Soluble	Solid	300.0	63381
880-33676-24	SW-6 (1.5')	Soluble	Solid	300.0	63381
880-33676-25	SW-7 (1.5')	Soluble	Solid	300.0	63381
880-33676-26	SW-8 (1')	Soluble	Solid	300.0	63381
880-33676-27	SW-9 (1')	Soluble	Solid	300.0	63381
880-33676-28	SW-10 (1')	Soluble	Solid	300.0	63381
880-33676-29	SW-11 (1')	Soluble	Solid	300.0	63381
880-33676-30	SW-12 (1')	Soluble	Solid	300.0	63381
880-33676-31	SW-13 (1')	Soluble	Solid	300.0	63381
880-33676-32	SW-14 (1')	Soluble	Solid	300.0	63381
880-33676-33	SW-15 (1')	Soluble	Solid	300.0	63381
880-33676-34	SW-16 (1')	Soluble	Solid	300.0	63381
880-33676-35	SW-17 (1')	Soluble	Solid	300.0	63381
MB 880-63381/1-A	Method Blank	Soluble	Solid	300.0	63381
LCS 880-63381/2-A	Lab Control Sample	Soluble	Solid	300.0	63381
LCSD 880-63381/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	63381
880-33676-21 MS	SW-3 (1.5')	Soluble	Solid	300.0	63381
880-33676-21 MSD	SW-3 (1.5')	Soluble	Solid	300.0	63381
880-33676-31 MS	SW-13 (1')	Soluble	Solid	300.0	63381
880-33676-31 MSD	SW-13 (1')	Soluble	Solid	300.0	63381

Lab Chronicle

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (1.5')

Lab Sample ID: 880-33676-1
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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	63376	09/27/23 09:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63375	09/27/23 12:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63500	09/27/23 12:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			63529	09/27/23 11:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	63378	09/27/23 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63366	09/27/23 11:06	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	63382	09/27/23 09:41	AG	EET MID
Soluble	Analysis	300.0		1			63431	09/27/23 16:31	CH	EET MID

Client Sample ID: CS-2 (1.5')

Lab Sample ID: 880-33676-2
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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	63376	09/27/23 09:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63375	09/27/23 12:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63500	09/27/23 12:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			63529	09/27/23 12:12	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	63378	09/27/23 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63366	09/27/23 12:12	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	63382	09/27/23 09:41	AG	EET MID
Soluble	Analysis	300.0		1			63431	09/27/23 16:48	CH	EET MID

Client Sample ID: CS-3 (1.5')

Lab Sample ID: 880-33676-3
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	63376	09/27/23 09:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63375	09/27/23 12:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63500	09/27/23 12:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			63529	09/27/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	63378	09/27/23 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63366	09/27/23 12:34	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	63382	09/27/23 09:41	AG	EET MID
Soluble	Analysis	300.0		1			63431	09/27/23 16:54	CH	EET MID

Client Sample ID: CS-4 (1.5')

Lab Sample ID: 880-33676-4
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	63376	09/27/23 09:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63375	09/27/23 13:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63500	09/27/23 13:09	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-4 (1.5')

Lab Sample ID: 880-33676-4
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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			63529	09/27/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	63378	09/27/23 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63366	09/27/23 12:56	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	63382	09/27/23 09:41	AG	EET MID
Soluble	Analysis	300.0		1			63431	09/27/23 17:00	CH	EET MID

Client Sample ID: CS-5 (1')

Lab Sample ID: 880-33676-5
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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	63376	09/27/23 09:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63375	09/27/23 13:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63500	09/27/23 13:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			63529	09/27/23 13:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	63378	09/27/23 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63366	09/27/23 13:18	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	63382	09/27/23 09:41	AG	EET MID
Soluble	Analysis	300.0		1			63431	09/27/23 17:06	CH	EET MID

Client Sample ID: CS-6 (1')

Lab Sample ID: 880-33676-6
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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	63376	09/27/23 09:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63375	09/27/23 13:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63500	09/27/23 13:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			63529	09/27/23 13:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	63378	09/27/23 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63366	09/27/23 13:40	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	63382	09/27/23 09:41	AG	EET MID
Soluble	Analysis	300.0		1			63431	09/27/23 17:23	CH	EET MID

Client Sample ID: CS-7 (1')

Lab Sample ID: 880-33676-7
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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	63376	09/27/23 09:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63375	09/27/23 14:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63500	09/27/23 14:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			63529	09/27/23 14:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	63378	09/27/23 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63366	09/27/23 14:02	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-7 (1')
Lab Sample ID: 880-33676-7

Date Collected: 09/26/23 00:00
Matrix: Solid
Date Received: 09/27/23 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	63382	09/27/23 09:41	AG	EET MID
Soluble	Analysis	300.0		1			63431	09/27/23 17:29	CH	EET MID

Client Sample ID: CS-8 (1')
Lab Sample ID: 880-33676-8

Date Collected: 09/26/23 00:00
Matrix: Solid
Date Received: 09/27/23 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	63376	09/27/23 09:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63375	09/27/23 14:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63500	09/27/23 14:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			63529	09/27/23 14:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	63378	09/27/23 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63366	09/27/23 14:24	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	63382	09/27/23 09:41	AG	EET MID
Soluble	Analysis	300.0		1			63431	09/27/23 17:35	CH	EET MID

Client Sample ID: CS-9 (1')
Lab Sample ID: 880-33676-9

Date Collected: 09/26/23 00:00
Matrix: Solid
Date Received: 09/27/23 08:15

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	63376	09/27/23 09:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63375	09/27/23 14:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63500	09/27/23 14:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			63529	09/27/23 14:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	63378	09/27/23 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63366	09/27/23 14:46	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	63382	09/27/23 09:41	AG	EET MID
Soluble	Analysis	300.0		1			63431	09/27/23 17:41	CH	EET MID

Client Sample ID: CS-10 (1')
Lab Sample ID: 880-33676-10

Date Collected: 09/26/23 00:00
Matrix: Solid
Date Received: 09/27/23 08:15

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	63376	09/27/23 09:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63375	09/27/23 15:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63500	09/27/23 15:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			63529	09/27/23 15:08	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	63378	09/27/23 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63366	09/27/23 15:08	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	63382	09/27/23 09:41	AG	EET MID
Soluble	Analysis	300.0		1			63431	09/27/23 17:47	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-11 (1')
Lab Sample ID: 880-33676-11
Date Collected: 09/26/23 00:00
Matrix: Solid
Date Received: 09/27/23 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	63376	09/27/23 09:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63375	09/27/23 17:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63500	09/27/23 17:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			63529	09/27/23 15:52	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	63378	09/27/23 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63366	09/27/23 15:52	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	63382	09/27/23 09:41	AG	EET MID
Soluble	Analysis	300.0		1			63431	09/27/23 17:52	CH	EET MID

Client Sample ID: CS-12 (1')
Lab Sample ID: 880-33676-12
Date Collected: 09/26/23 00:00
Matrix: Solid
Date Received: 09/27/23 08:15

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	63376	09/27/23 09:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63375	09/27/23 17:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63500	09/27/23 17:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			63529	09/27/23 16:14	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	63378	09/27/23 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63366	09/27/23 16:14	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	63382	09/27/23 09:41	AG	EET MID
Soluble	Analysis	300.0		1			63431	09/27/23 18:10	CH	EET MID

Client Sample ID: CS-13 (1')
Lab Sample ID: 880-33676-13
Date Collected: 09/26/23 00:00
Matrix: Solid
Date Received: 09/27/23 08:15

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	63376	09/27/23 09:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63375	09/27/23 17:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63500	09/27/23 17:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			63529	09/27/23 16:37	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	63378	09/27/23 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63366	09/27/23 16:37	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	63382	09/27/23 09:41	AG	EET MID
Soluble	Analysis	300.0		1			63431	09/27/23 18:16	CH	EET MID

Client Sample ID: CS-14 (1')
Lab Sample ID: 880-33676-14
Date Collected: 09/26/23 00:00
Matrix: Solid
Date Received: 09/27/23 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	63376	09/27/23 09:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63375	09/27/23 18:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63500	09/27/23 18:04	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-14 (1')

Lab Sample ID: 880-33676-14
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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			63529	09/27/23 16:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	63378	09/27/23 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63366	09/27/23 16:59	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	63382	09/27/23 09:41	AG	EET MID
Soluble	Analysis	300.0		1			63431	09/27/23 18:33	CH	EET MID

Client Sample ID: CS-15 (1')

Lab Sample ID: 880-33676-15
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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	63376	09/27/23 09:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63375	09/27/23 18:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63500	09/27/23 18:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			63529	09/27/23 17:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	63378	09/27/23 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63366	09/27/23 17:22	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	63382	09/27/23 09:41	AG	EET MID
Soluble	Analysis	300.0		1			63431	09/27/23 18:39	CH	EET MID

Client Sample ID: CS-16 (1')

Lab Sample ID: 880-33676-16
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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	63376	09/27/23 09:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63375	09/27/23 18:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63500	09/27/23 18:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			63529	09/27/23 17:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	63378	09/27/23 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63366	09/27/23 17:44	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	63382	09/27/23 09:41	AG	EET MID
Soluble	Analysis	300.0		1			63431	09/27/23 18:45	CH	EET MID

Client Sample ID: CS-17 (1')

Lab Sample ID: 880-33676-17
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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	63376	09/27/23 09:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63375	09/27/23 19:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63500	09/27/23 19:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			63529	09/27/23 18:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	63378	09/27/23 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63366	09/27/23 18:06	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-17 (1')
Lab Sample ID: 880-33676-17
Date Collected: 09/26/23 00:00
Matrix: Solid
Date Received: 09/27/23 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	63382	09/27/23 09:41	AG	EET MID
Soluble	Analysis	300.0		1			63431	09/27/23 18:51	CH	EET MID

Client Sample ID: CS-18 (1')
Lab Sample ID: 880-33676-18
Date Collected: 09/26/23 00:00
Matrix: Solid
Date Received: 09/27/23 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	63376	09/27/23 09:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63375	09/27/23 19:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63500	09/27/23 19:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			63529	09/27/23 18:28	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	63378	09/27/23 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63366	09/27/23 18:28	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	63382	09/27/23 09:41	AG	EET MID
Soluble	Analysis	300.0		1			63431	09/27/23 18:56	CH	EET MID

Client Sample ID: SW-1 (1.5')
Lab Sample ID: 880-33676-19
Date Collected: 09/26/23 00:00
Matrix: Solid
Date Received: 09/27/23 08:15

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	63376	09/27/23 09:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63375	09/27/23 19:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63500	09/27/23 19:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			63529	09/27/23 18:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	63378	09/27/23 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63366	09/27/23 18:50	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	63382	09/27/23 09:41	AG	EET MID
Soluble	Analysis	300.0		1			63431	09/27/23 19:02	CH	EET MID

Client Sample ID: SW-2 (1.5')
Lab Sample ID: 880-33676-20
Date Collected: 09/26/23 00:00
Matrix: Solid
Date Received: 09/27/23 08:15

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	63376	09/27/23 09:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63375	09/27/23 20:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63500	09/27/23 20:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			63529	09/27/23 19:12	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	63378	09/27/23 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63366	09/27/23 19:12	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	63382	09/27/23 09:41	AG	EET MID
Soluble	Analysis	300.0		1			63431	09/27/23 19:08	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-3 (1.5')

Lab Sample ID: 880-33676-21
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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	63377	09/27/23 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63375	09/27/23 23:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63500	09/27/23 23:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			63529	09/27/23 11:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	63379	09/27/23 09:24	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63368	09/27/23 11:06	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	63381	09/27/23 09:38	AG	EET MID
Soluble	Analysis	300.0		1			63434	09/27/23 19:55	CH	EET MID

Client Sample ID: SW-4 (1.5')

Lab Sample ID: 880-33676-22
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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	63377	09/27/23 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63375	09/28/23 00:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63500	09/28/23 00:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			63529	09/27/23 12:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	63379	09/27/23 09:24	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63368	09/27/23 12:12	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	63381	09/27/23 09:38	AG	EET MID
Soluble	Analysis	300.0		1			63434	09/27/23 20:12	CH	EET MID

Client Sample ID: SW-5 (1.5')

Lab Sample ID: 880-33676-23
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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	63377	09/27/23 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63375	09/28/23 00:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63500	09/28/23 00:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			63529	09/27/23 12:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	63379	09/27/23 09:24	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63368	09/27/23 12:34	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	63381	09/27/23 09:38	AG	EET MID
Soluble	Analysis	300.0		1			63434	09/27/23 20:18	CH	EET MID

Client Sample ID: SW-6 (1.5')

Lab Sample ID: 880-33676-24
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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	63377	09/27/23 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63375	09/28/23 00:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63500	09/28/23 00:46	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-6 (1.5')

Lab Sample ID: 880-33676-24
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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			63529	09/27/23 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	63379	09/27/23 09:24	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63368	09/27/23 12:56	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	63381	09/27/23 09:38	AG	EET MID
Soluble	Analysis	300.0		1			63434	09/27/23 20:24	CH	EET MID

Client Sample ID: SW-7 (1.5')

Lab Sample ID: 880-33676-25
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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	63377	09/27/23 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63375	09/28/23 01:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63500	09/28/23 01:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			63529	09/27/23 13:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	63379	09/27/23 09:24	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63368	09/27/23 13:18	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	63381	09/27/23 09:38	AG	EET MID
Soluble	Analysis	300.0		1			63434	09/27/23 20:30	CH	EET MID

Client Sample ID: SW-8 (1')

Lab Sample ID: 880-33676-26
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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	63377	09/27/23 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63375	09/28/23 01:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63500	09/28/23 01:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			63529	09/27/23 13:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	63379	09/27/23 09:24	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63368	09/27/23 13:40	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	63381	09/27/23 09:38	AG	EET MID
Soluble	Analysis	300.0		1			63434	09/27/23 20:47	CH	EET MID

Client Sample ID: SW-9 (1')

Lab Sample ID: 880-33676-27
Matrix: Solid
Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

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	63377	09/27/23 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63375	09/28/23 01:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63500	09/28/23 01:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			63529	09/27/23 14:02	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	63379	09/27/23 09:24	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63368	09/27/23 14:02	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-9 (1')
Lab Sample ID: 880-33676-27

Date Collected: 09/26/23 00:00
Matrix: Solid
Date Received: 09/27/23 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	63381	09/27/23 09:38	AG	EET MID
Soluble	Analysis	300.0		1			63434	09/27/23 20:53	CH	EET MID

Client Sample ID: SW-10 (1')
Lab Sample ID: 880-33676-28

Date Collected: 09/26/23 00:00
Matrix: Solid
Date Received: 09/27/23 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	63377	09/27/23 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63375	09/28/23 02:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63500	09/28/23 02:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			63529	09/27/23 14:24	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	63379	09/27/23 09:24	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63368	09/27/23 14:24	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	63381	09/27/23 09:38	AG	EET MID
Soluble	Analysis	300.0		1			63434	09/27/23 20:59	CH	EET MID

Client Sample ID: SW-11 (1')
Lab Sample ID: 880-33676-29

Date Collected: 09/26/23 00:00
Matrix: Solid
Date Received: 09/27/23 08:15

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	63377	09/27/23 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63375	09/28/23 02:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63500	09/28/23 02:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			63529	09/27/23 14:46	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	63379	09/27/23 09:24	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63368	09/27/23 14:46	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	63381	09/27/23 09:38	AG	EET MID
Soluble	Analysis	300.0		1			63434	09/27/23 21:05	CH	EET MID

Client Sample ID: SW-12 (1')
Lab Sample ID: 880-33676-30

Date Collected: 09/26/23 00:00
Matrix: Solid
Date Received: 09/27/23 08:15

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	63377	09/27/23 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63375	09/28/23 02:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63500	09/28/23 02:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			63529	09/27/23 15:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	63379	09/27/23 09:24	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63368	09/27/23 15:08	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	63381	09/27/23 09:38	AG	EET MID
Soluble	Analysis	300.0		1			63434	09/27/23 21:11	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-13 (1')
Lab Sample ID: 880-33676-31
Date Collected: 09/26/23 00:00
Matrix: Solid
Date Received: 09/27/23 08:15

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	63377	09/27/23 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63375	09/28/23 04:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63500	09/28/23 04:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			63529	09/27/23 15:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	63379	09/27/23 09:24	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63368	09/27/23 15:52	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	63381	09/27/23 09:38	AG	EET MID
Soluble	Analysis	300.0		1			63434	09/27/23 21:16	CH	EET MID

Client Sample ID: SW-14 (1')
Lab Sample ID: 880-33676-32
Date Collected: 09/26/23 00:00
Matrix: Solid
Date Received: 09/27/23 08:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	63377	09/27/23 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63375	09/28/23 04:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63500	09/28/23 04:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			63529	09/27/23 16:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	63379	09/27/23 09:24	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63368	09/27/23 16:14	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	63381	09/27/23 09:38	AG	EET MID
Soluble	Analysis	300.0		1			63434	09/27/23 21:34	CH	EET MID

Client Sample ID: SW-15 (1')
Lab Sample ID: 880-33676-33
Date Collected: 09/26/23 00:00
Matrix: Solid
Date Received: 09/27/23 08:15

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	63377	09/27/23 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63375	09/28/23 05:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63500	09/28/23 05:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			63529	09/27/23 16:37	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	63379	09/27/23 09:24	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63368	09/27/23 16:37	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	63381	09/27/23 09:38	AG	EET MID
Soluble	Analysis	300.0		1			63434	09/27/23 21:40	CH	EET MID

Client Sample ID: SW-16 (1')
Lab Sample ID: 880-33676-34
Date Collected: 09/26/23 00:00
Matrix: Solid
Date Received: 09/27/23 08:15

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	63377	09/27/23 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63375	09/28/23 05:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63500	09/28/23 05:39	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-16 (1')

Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

Lab Sample ID: 880-33676-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			63529	09/27/23 16:59	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	63379	09/27/23 09:24	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63368	09/27/23 16:59	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	63381	09/27/23 09:38	AG	EET MID
Soluble	Analysis	300.0		1			63434	09/27/23 21:57	CH	EET MID

Client Sample ID: SW-17 (1')

Date Collected: 09/26/23 00:00
Date Received: 09/27/23 08:15

Lab Sample ID: 880-33676-35
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	63377	09/27/23 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63375	09/28/23 05:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63500	09/28/23 05:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			63529	09/27/23 17:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	63379	09/27/23 09:24	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63368	09/27/23 17:22	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	63381	09/27/23 09:38	AG	EET MID
Soluble	Analysis	300.0		1			63434	09/27/23 22:03	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: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy 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: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy 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: Hermes 9H 10H CTB

Job ID: 880-33676-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-33676-1	CS-1 (1.5')	Solid	09/26/23 00:00	09/27/23 08:15
880-33676-2	CS-2 (1.5')	Solid	09/26/23 00:00	09/27/23 08:15
880-33676-3	CS-3 (1.5')	Solid	09/26/23 00:00	09/27/23 08:15
880-33676-4	CS-4 (1.5')	Solid	09/26/23 00:00	09/27/23 08:15
880-33676-5	CS-5 (1')	Solid	09/26/23 00:00	09/27/23 08:15
880-33676-6	CS-6 (1')	Solid	09/26/23 00:00	09/27/23 08:15
880-33676-7	CS-7 (1')	Solid	09/26/23 00:00	09/27/23 08:15
880-33676-8	CS-8 (1')	Solid	09/26/23 00:00	09/27/23 08:15
880-33676-9	CS-9 (1')	Solid	09/26/23 00:00	09/27/23 08:15
880-33676-10	CS-10 (1')	Solid	09/26/23 00:00	09/27/23 08:15
880-33676-11	CS-11 (1')	Solid	09/26/23 00:00	09/27/23 08:15
880-33676-12	CS-12 (1')	Solid	09/26/23 00:00	09/27/23 08:15
880-33676-13	CS-13 (1')	Solid	09/26/23 00:00	09/27/23 08:15
880-33676-14	CS-14 (1')	Solid	09/26/23 00:00	09/27/23 08:15
880-33676-15	CS-15 (1')	Solid	09/26/23 00:00	09/27/23 08:15
880-33676-16	CS-16 (1')	Solid	09/26/23 00:00	09/27/23 08:15
880-33676-17	CS-17 (1')	Solid	09/26/23 00:00	09/27/23 08:15
880-33676-18	CS-18 (1')	Solid	09/26/23 00:00	09/27/23 08:15
880-33676-19	SW-1 (1.5')	Solid	09/26/23 00:00	09/27/23 08:15
880-33676-20	SW-2 (1.5')	Solid	09/26/23 00:00	09/27/23 08:15
880-33676-21	SW-3 (1.5')	Solid	09/26/23 00:00	09/27/23 08:15
880-33676-22	SW-4 (1.5')	Solid	09/26/23 00:00	09/27/23 08:15
880-33676-23	SW-5 (1.5')	Solid	09/26/23 00:00	09/27/23 08:15
880-33676-24	SW-6 (1.5')	Solid	09/26/23 00:00	09/27/23 08:15
880-33676-25	SW-7 (1.5')	Solid	09/26/23 00:00	09/27/23 08:15
880-33676-26	SW-8 (1')	Solid	09/26/23 00:00	09/27/23 08:15
880-33676-27	SW-9 (1')	Solid	09/26/23 00:00	09/27/23 08:15
880-33676-28	SW-10 (1')	Solid	09/26/23 00:00	09/27/23 08:15
880-33676-29	SW-11 (1')	Solid	09/26/23 00:00	09/27/23 08:15
880-33676-30	SW-12 (1')	Solid	09/26/23 00:00	09/27/23 08:15
880-33676-31	SW-13 (1')	Solid	09/26/23 00:00	09/27/23 08:15
880-33676-32	SW-14 (1')	Solid	09/26/23 00:00	09/27/23 08:15
880-33676-33	SW-15 (1')	Solid	09/26/23 00:00	09/27/23 08:15
880-33676-34	SW-16 (1')	Solid	09/26/23 00:00	09/27/23 08:15
880-33676-35	SW-17 (1')	Solid	09/26/23 00:00	09/27/23 08:15

880-33676 Chain of Custody

Page 1 of 1

Project Manager	Clinton Merritt	Bill to (if different)	Melodie Sanjari
Company Name	Carmona Resources	Company Name	Marathon Oil Corporation
Address.	310 W Wall St Ste 500	Address.	990 Town and Country Blvd
City, State ZIP	Midland, TX 79701	City, State ZIP	Houston, TX 77024
Phone		Email	msanjari@marathonoil.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	Hermes 9H 10H CTB	Turn Around	
Project Number	2119	☑ Routine	☐ Rush
Project Location	Eddy County, New Mexico	Due Date	48 Hour
Sampler's Name	CCM		
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	-0.3
Sample Custody Seals	Yes No N/A	Temperature Reading	2.3
Total Containers		Corrected Temperature	20

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
CS - 1 (1.5')	9/26/2023		X		Comp	1		X	X	X		
CS - 2 (1 5')	9/26/2023		X		Comp	1		X	X	X		
CS - 3 (1 5')	9/26/2023		X		Comp	1		X	X	X		
CS - 4 (1.5')	9/26/2023		X		Comp	1		X	X	X		
CS - 5 (1')	9/26/2023		X		Comp	1		X	X	X		
CS - 6 (1')	9/26/2023		X		Comp	1		X	X	X		
CS - 7 (1')	9/26/2023		X		Comp	1		X	X	X		
CS - 8 (1')	9/26/2023		X		Comp	1		X	X	X		
CS - 9 (1')	9/26/2023		X		Comp	1		X	X	X		
CS - 10 (1')	9/26/2023		X		Comp	1		X	X	X		

Comments: Email results to Mike Carmona mcarmona@carmonaresources.com Conner Moehring cmoehring@carmonaresources.com Clint Merritt MerrittC@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			9/27/23
			815

Work Order No: 336076

Project Manager	Clinton Merritt	Bill to (if different)	Melodie Sanjari
Company Name	Carmona Resources	Company Name	Marathon Oil Corporation
Address.	310 W Wall St Ste 500	Address	990 Town and Country Blvd
City, State ZIP	Midland, TX 79701	City, State ZIP	Houston, TX 77024
Phone.	Email	msanjari@marathonoil.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	Hermes 9H 10H CTB	Turn Around	
Project Number	2119	☑ Routine	☐ Rush
Project Location	Eddy County, New Mexico	Due Date	48 Hour
Sampler's Name	CCM		
PO #:			

SAMPLE RECEIPT				
Temp Blank.	Yes No	Wet Ice	Yes No	
Received Intact:	Yes No	Thermometer ID		
Cooler Custody Seals	Yes No N/A	Correction Factor		
Sample Custody Seals.	Yes No N/A	Temperature Reading		
Total Containers.		Corrected Temperature		

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
CS - 11 (1')	9/26/2023		X		Comp	1	X	X	X		
CS - 12 (1')	9/26/2023		X		Comp	1	X	X	X		
CS - 13 (1')	9/26/2023		X		Comp	1	X	X	X		
CS - 14 (1')	9/26/2023		X		Comp	1	X	X	X		
CS - 15 (1')	9/26/2023		X		Comp	1	X	X	X		
CS - 16 (1')	9/26/2023		X		Comp	1	X	X	X		
CS - 17 (1')	9/26/2023		X		Comp	1	X	X	X		
CS - 18 (1')	9/26/2023		X		Comp	1	X	X	X		
SW - 1 (1.5')	9/26/2023		X		Comp	1	X	X	X		
SW - 2 (1.5')	9/26/2023		X		Comp	1	X	X	X		

Comments. Email results to Mike Carmona mcarmona@carmonaresources.com, Conner Moehring cmoehring@carmonaresources.com, Clint Merritt MerrittC@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
			9/27/23 815

Work Order No: 336076

Project Manager:	Clinton Merritt	Bill to (if different)	Melodie Sanjari
Company Name:	Carmona Resources	Company Name	Marathon Oil Corporation
Address:	310 W Wall St Ste 500	Address	990 Town and Country Blvd
City, State ZIP	Midland, TX 79701	City, State ZIP	Houston, TX 77024
Phone:	Email	msanjari@marathonoil.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	Hermes 9H 10H CTB	Turn Around	
Project Number:	2119	☑ Routine ☐ Rush	
Project Location	Eddy County, New Mexico	Due Date	48 Hour
Sampler's Name:	CCM		
PO #:			

SAMPLE RECEIPT	Temp Blank	Yes No	Wet Ice	Yes No
Received Intact:	Yes No	Thermometer ID		
Cooler Custody Seals	Yes No N/A	Correction Factor:		
Sample Custody Seals	Yes No N/A	Temperature Reading		
Total Containers		Corrected Temperature		

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Hold	Sample Comments
SW - 3 (1 5')	9/26/2023		X		Comp	1	X	X	X		
SW - 4 (1 5')	9/26/2023		X		Comp	1	X	X	X		
SW - 5 (1.5')	9/26/2023		X		Comp	1	X	X	X		
SW - 6 (1 5')	9/26/2023		X		Comp	1	X	X	X		
SW - 7 (1 5')	9/26/2023		X		Comp	1	X	X	X		
SW - 8 (1')	9/26/2023		X		Comp	1	X	X	X		
SW - 9 (1')	9/26/2023		X		Comp	1	X	X	X		
SW - 10 (1')	9/26/2023		X		Comp	1	X	X	X		
SW - 11 (1')	9/26/2023		X		Comp	1	X	X	X		
SW - 12 (1')	9/26/2023		X		Comp	1	X	X	X		

Comments: Email results to Mike Carmona mcarmona@carmonaresources.com, Conner Moehring cmoehring@carmonaresources.com, Clint Merritt MerrittC@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by: (Signature)	Date/Time
			9/27/23
			8:15

Work Order No: 2 Loc: 880 33676

Page ___

Project Manager	Clinton Merritt	Bill to (if different)	Melodie Sanjari
Company Name	Carmona Resources	Company Name	Marathon Oil Corporation
Address	310 W Wall St Ste 500	Address	990 Town and Country Blvd
City, State ZIP	Midland, TX 79701	City, State ZIP	Houston, TX 77024
Phone	Email	msanjari@marathonoil.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	Hermes 9H 10H CTB	Turn Around	
Project Number	2119	☑ Routine ☐ Rush	
Project Location	Eddy County, New Mexico	Due Date	48 Hour
Sampler's Name	CCM		
PO #:			

SAMPLE RECEIPT				
Temp Blank.	Yes No	Wet Ice	Yes No	
Received Intact:	Yes No	Thermometer ID		
Cooler Custody Seals	Yes No N/A	Correction Factor		
Sample Custody Seals	Yes No N/A	Temperature Reading		
Total Containers.		Corrected Temperature		

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	Hold	Sample Comments
SW - 13 (1')	9/26/2023		X		Comp	1		X	X	X		
SW - 14 (1')	9/26/2023		X		Comp	1		X	X	X		
SW - 15 (1')	9/26/2023		X		Comp	1		X	X	X		
SW - 16 (1')	9/26/2023		X		Comp	1		X	X	X		
SW - 17 (1')	9/26/2023		X		Comp	1		X	X	X		

Comments: Email results to Mike Carmona mcarmona@carmonaresources.com, Conner Moehring cmoehring@carmonaresources.com, Clint Merritt MerrittC@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
			9/27/23
			815

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-33676-1
SDG Number: Eddy County, New Mexico

Login Number: 33676
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 276854

CONDITIONS

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 276854
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2322723783, thank you. This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation including pictures of the contoured backfilled excavation surface and a thorough discussion on reseeding mixture, vegetation ratio, timelines, etc.., will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	2/23/2024
rhamlet	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing if the back fill is coming from a rancher's pit or other local source AND/OR proof from the landfill/landfarm that their backfill is non-waste containing; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	2/23/2024