

CARMONA RESOURCES



SITE INFORMATION

Closure Report
Triste Draw 30 Federal #1
Incident ID: NTO1418941914
Lea County, New Mexico
Unit M Sec 30 T23S R33E
32.26943°, -103.61759°

Crude Oil Release

Point of Release: Valve left opened, overfilling LACT unit containment and spreading onto well pad

Release Date: 05/05/2014
Volume Released: 10 Barrels of Crude Oil
Volume Recovered: 7 Barrels of Crude Oil

CARMONA RESOURCES



Prepared for:
Cimarex Energy Co.
600 N. Marienfeld Street
Suite 600
Midland, Texas 79701

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

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



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April 30, 2023

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

Re: Closure Report
Triste Draw 30 Federal #1
Cimarex Energy Co.
Site Location: Unit M, S30, T23S, R33E
(Lat 32.26943°, Long -103.61759°)
Lea County, New Mexico

To whom it may concern:

On behalf of Cimarex Energy Co. (Cimarex), Carmona Resources, LLC has prepared this letter to document site activities for the Triste Draw 30 Federal #1. The site is located at 32.26943°, -103.61759° within Unit M, S30, T23S, R33E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the leak was discovered on May 5, 2014, due to a half-inch valve below the screen pot being left open, filling up the LACT unit containment and overflowing onto the well pad. It resulted in approximately ten (10) barrels of crude oil, and seven (7) barrels of crude oil were recovered. The impacted area is located on the pad and is shown in Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The nearest identified well is approximately 1.23 miles Southwest of the site in S35, T23S, R32E and was drilled in 1976. The well has a reported depth to groundwater of 487.39' feet below the ground surface (ft bgs). A copy of the associated Summary Report is attached in Appendix D.

On October 27, 2021, Scarborough Drilling, Inc drilled a groundwater determination bore to 55' below ground surface on a nearby location, 0.49 miles West of the location. The bore was left open for 72 hours and tagged with a water level meter. No water was detected at 55' below the surface. The coordinates for the groundwater determination bore are 32.269008°, -103.625727°. See Appendix D for the groundwater data log.

3.0 NMAC Regulatory Criteria

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

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO + DRO).
- Chloride: 10,000 mg/kg.



4.0 Site Assessment Activities

Carmona Resources personnel were on site on March 15, 2023, to perform site assessment activities to evaluate soil impacts. To assess the vertical and horizontal extent, three (3) sample points (S-1 through S-3) and five (5) horizontal sample points (H-1 through H-5) were advanced to depths ranging from the surface to 5' bgs inside the area of concern. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. Refer to Table 1. See Figure 3 for the sample locations.

Carmona Resources personnel were on site on April 5, 2023, to perform additional site assessment activities to collect additional soil samples. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 4500. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. Refer to Table 1. See Figure 3 for the sample locations.

5.0 Conclusions

Based on the analytical data from the site assessment and operational status of the facility, no further actions are required at the site until reclamation per NMAC 19.15.29.13. The final C-141 is attached, and Cimarex formally requests the closure of the spill. If you have any questions regarding this report or need additional information, please get in touch with us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

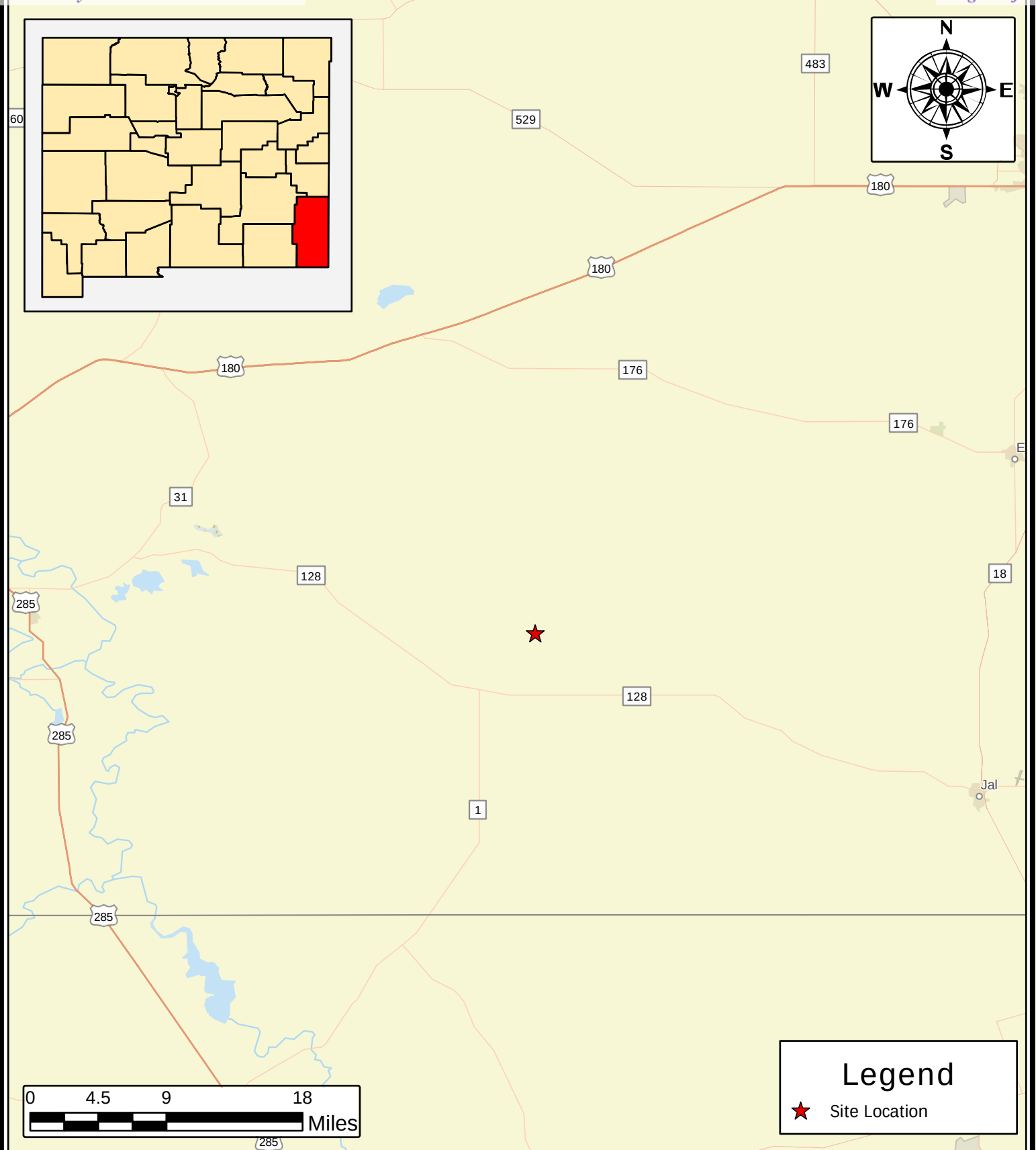
Ashton Thielke
Sr. Project Manager

Conner Moehring
Sr. Project Manager

FIGURES

CARMONA RESOURCES



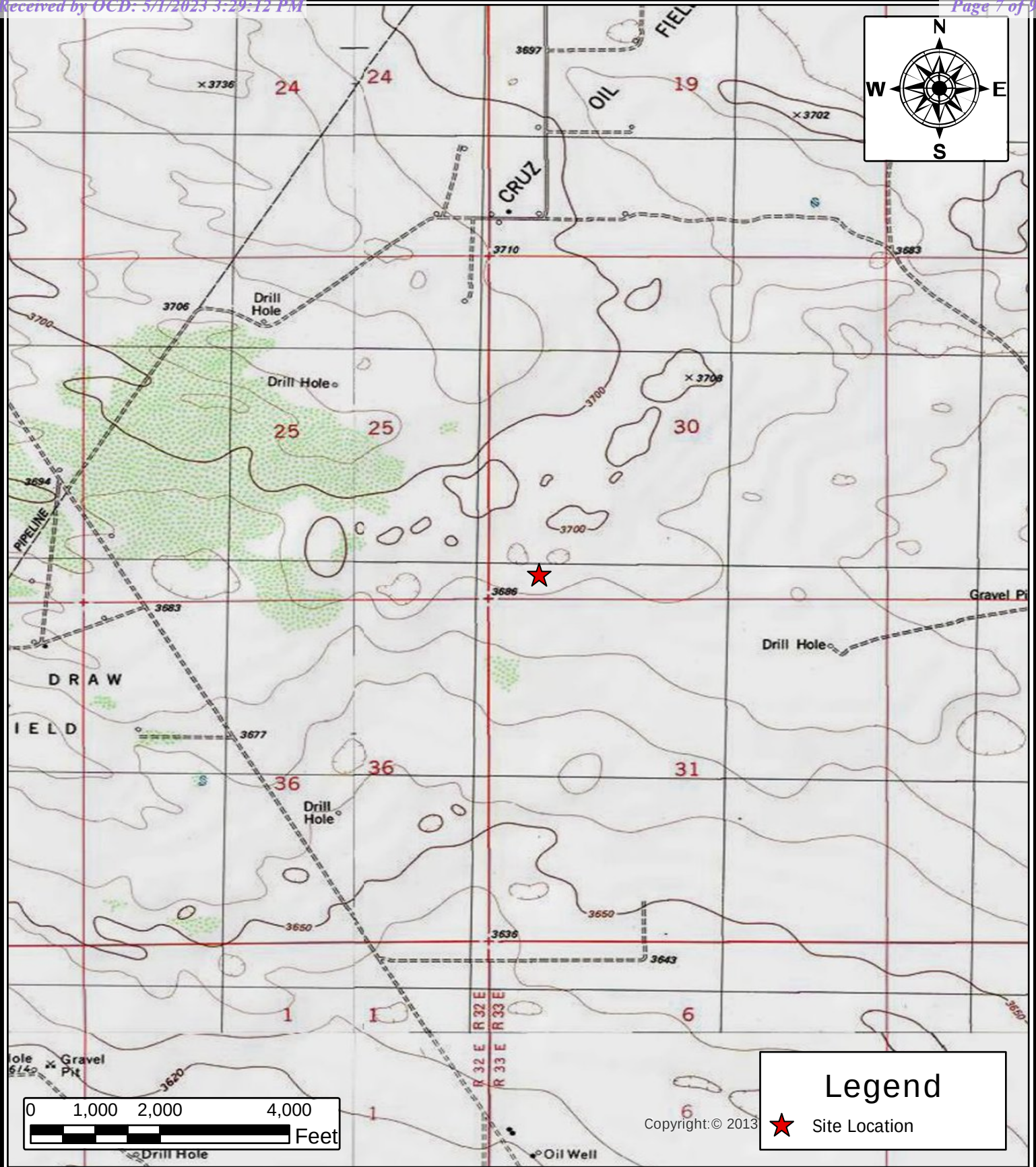


OVERVIEW MAP CIMAREX ENERGY CO. TRISTE DRAW 30 FEDERAL #1 LEA COUNTY, NEW MEXICO 32.26943, -103.61759	
SCALE: As Shown	Date: 4/11/2023

 Carmona Resources 310 West Wall Street, Suite 500 Midland, Texas 79701
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NOTES: 1. Base Image: ESRI Maps & Data 2023 2. Map Projection: WGS84

DRAWING NUMBER: FIGURE 1
SHEET NUMBER: 1 of 1

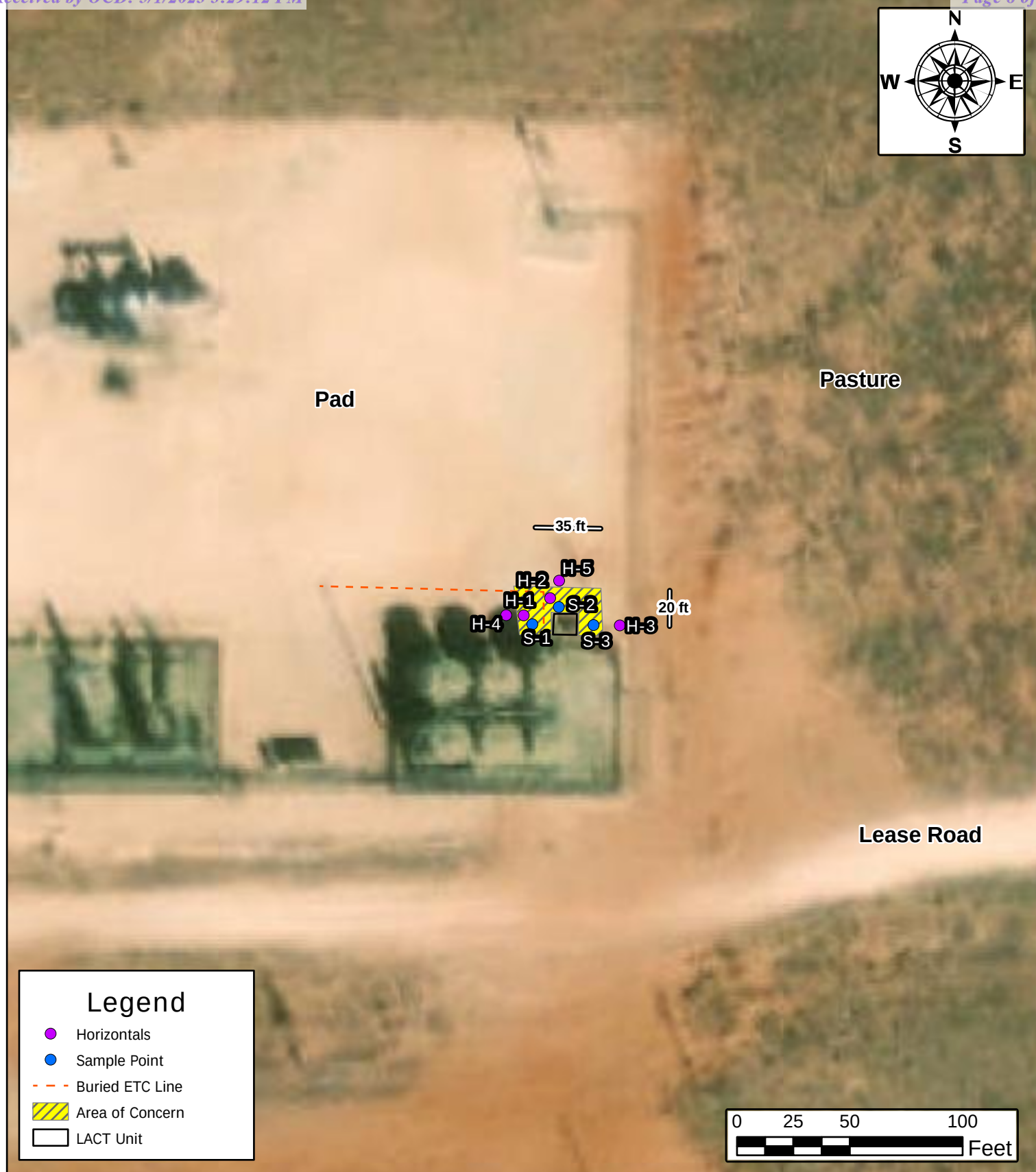


TOPOGRAPHIC MAP CIMAREX ENERGY CO. TRISTE DRAW 30 FEDERAL #1 LEA COUNTY, NEW MEXICO 32.26943, -103.61759	
SCALE: As Shown	Date: 4/11/2023

 Carmona Resources 310 West Wall Street, Suite 500 Midland, Texas 79701
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NOTES: 1. Base Image: ESRI Maps & Data 2023 2. Map Projection: WGS84

DRAWING NUMBER: FIGURE 2
SHEET NUMBER: 1 of 1



SAMPLE LOCATION MAP
CIMAREX ENERGY CO.
 TRISTE DRAW 30 FEDERAL #1
 LEA COUNTY, NEW MEXICO
 32.26943, -103.61759

SCALE: As Shown

Date: 4/11/2023



Carmona Resources
 310 West Wall Street, Suite 500
 Midland, Texas 79701

NOTES:

1. Base Image: ESRI Maps & Data 2023
2. Map Projection: WGS84

DRAWING NUMBER:

FIGURE 3

SHEET NUMBER:

1 of 1

APPENDIX A

CARMONA RESOURCES



Table 1
Cimarex
Triste Draw 30 Federal #001
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	3/15/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	196
	"	0.5-1.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	347
	"	1.0-1.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	803
	"	1.5-2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	766
	4/5/2023	2.0-3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,200
	"	3.0-4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	960
	"	4.0-5.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
S-2	3/15/2023	0-0.5	<50.0	64.2	<50.0	64.2	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	14.2
	"	0.5-1.0	<49.9	69.7	<49.9	69.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	26.2
	"	1.0-1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	29.0
	"	1.5-2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	17.9
	"	2.0-3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	15.4
S-3	3/15/2023	0-0.5	<49.9	64.6	<49.9	64.6	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	109
	"	0.5-1.0	<50.0	525	96.6	622	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	50.4
	"	1.0-1.5	<49.9	114	<49.9	114	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	32.7
	"	1.5-2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	28.6
	"	2.0-3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	43.3
H-1	3/15/2023	0-0.5	<50.0	141	<50.0	141	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<5.00
	4/5/2023	0.5-1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	1.0-1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
H-2	3/15/2023	0-0.5	<49.9	232	69.7	302	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.96
	4/5/2023	0.5-1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	"	1.0-1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
H-3	3/15/2023	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<24.8
H-4	4/5/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-5	4/5/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Regulatory Criteria ^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) Soil Sample

(H) Horizontal Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Cimarex Energy Co.

Photograph No. 1

Facility: Triste Draw 30 Federal #1

County: Lea County, New Mexico

Description:

View Southeast, area of sample point (S-1) and Horizontal Sample (H-1).



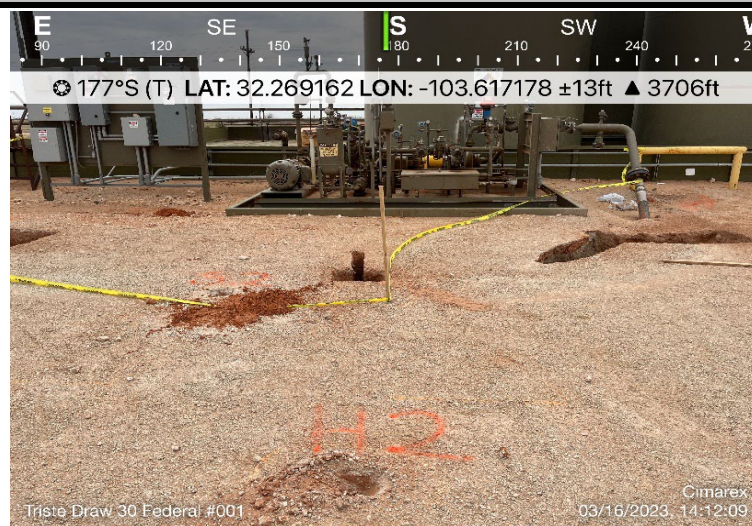
Photograph No. 2

Facility: Triste Draw 30 Federal #1

County: Lea County, New Mexico

Description:

View South, area of sample point (S-2) and Horizontal Sample (H-2).



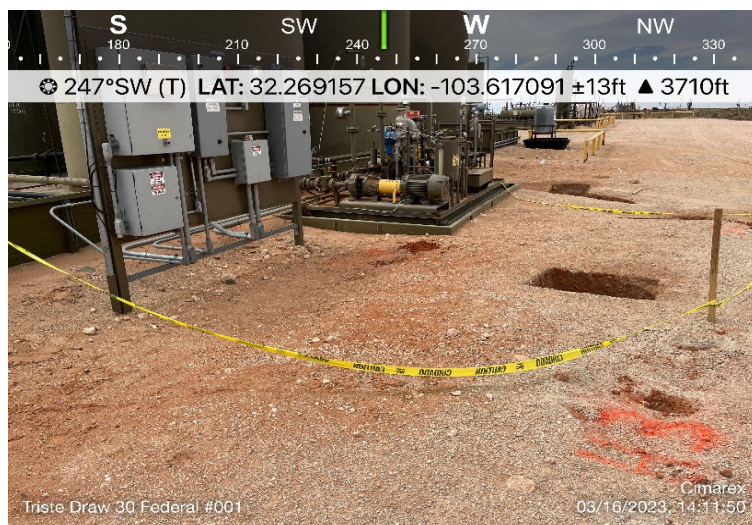
Photograph No. 3

Facility: Triste Draw 30 Federal #1

County: Lea County, New Mexico

Description:

View Southwest, area of sample point (S-3) and Horizontal Sample (H-3).



PHOTOGRAPHIC LOG

Cimarex Energy Co.

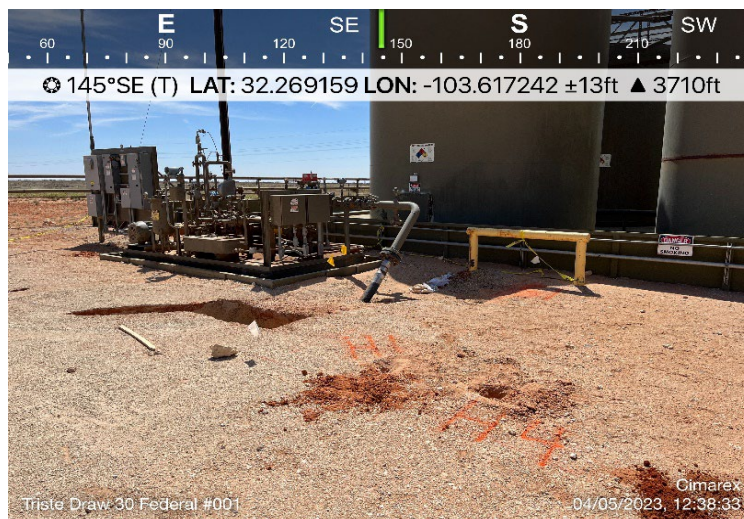
Photograph No. 4

Facility: Triste Draw 30 Federal #1

County: Lea County, New Mexico

Description:

View Southeast, area of Horizontal Samples (H-1 & H-4).



Photograph No. 5

Facility: Triste Draw 30 Federal #1

County: Lea County, New Mexico

Description:

View South, area of Horizontal Samples (H-2 & H-5).



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

HOBBS OCD

MAY 13 2014

Submit Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

RECEIVED

Form C-141
Revised August 8, 2011

Release Notification and Corrective Action

OPERATOR

X Initial Report ☐ Final Report

Name of Company: Cimarex Energy Company	Contact: Johnny Titsworth
Address: 600 N. Marienfield, Suite 600, Midland, TX 79701	Telephone No. (432)250-2059
Facility Name: Triste Draw 30 Federal #1	Facility Type: Tank Battery
Surface Owner: Federal	Mineral Owner:
API No. 30-025-41174	

LOCATION OF RELEASE

Unit Letter M	Section 30	Township 23S	Range 33E	Feet from the 330	North/South Line FSL	Feet from the 660	East/West Line FWL	County Lea
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Latitude: 32.26943 Longitude: -103.61759

NATURE OF RELEASE

Type of Release: oil	Volume of Release: 10	Volume Recovered: 7
Source of Release: LACT unit	Date & Hour of Occurrence: 5/5/14	Date & Hour of Discovery: 5/5/14 12:00
Was Immediate Notice Given? X Yes ☐ No ☐ Not Required	If YES, To Whom? Jennifer Van Curen	
By Whom? Johnny Titsworth	Date and Hour: 5/6/14	
Was a Watercourse Reached? ☐ Yes X No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

GW = 425'

Describe Cause of Problem and Remedial Action Taken.*

1/2" valve below the screen pot was left open filling up the LACT unit containment & ran onto location (60'x27').

Describe Area Affected and Cleanup Action Taken.*

7 BBLS in containment & 3 BBLS on pad. Discussed spill with BLM (Jennifer Van Curen), and pad will be scraped and replaced with fresh caliche

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

OIL CONSERVATION DIVISION

Signature:		
Printed Name: Johnny Titsworth	Approved by Environmental Specialist:	
Title: Environmental Compliance Coordinator	Approval Date: 7-8-14	Expiration Date: 9-11-14
E-mail Address: jtitsworth@cimarex.com	Conditions of Approval: Site Supplies required.	Attached ☐
Date: 5/13/14 Phone: (432)-250-2059	7-14-3150	

* Attach Additional Sheets If Necessary

Delimited remediate area as
per NMOCD guidelines. Submit final
C-141 by 9-11-14

09/14 215099
N701418 941914
P701418 942122

JUL 09 2014

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

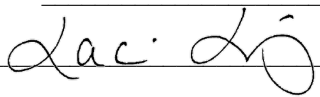
State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature:  Date: _____

email: _____ Telephone: _____

OCD OnlyReceived by: Jocelyn Harimon Date: 05/01/2023

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

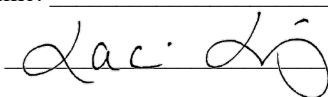
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled 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: Jocelyn Harimon Date: 05/01/2023

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: Michael Buchanan Date: 05/08/2023

Printed Name: Mike Buchanan Title: Environmental Specialist

APPENDIX D

CARMONA RESOURCES

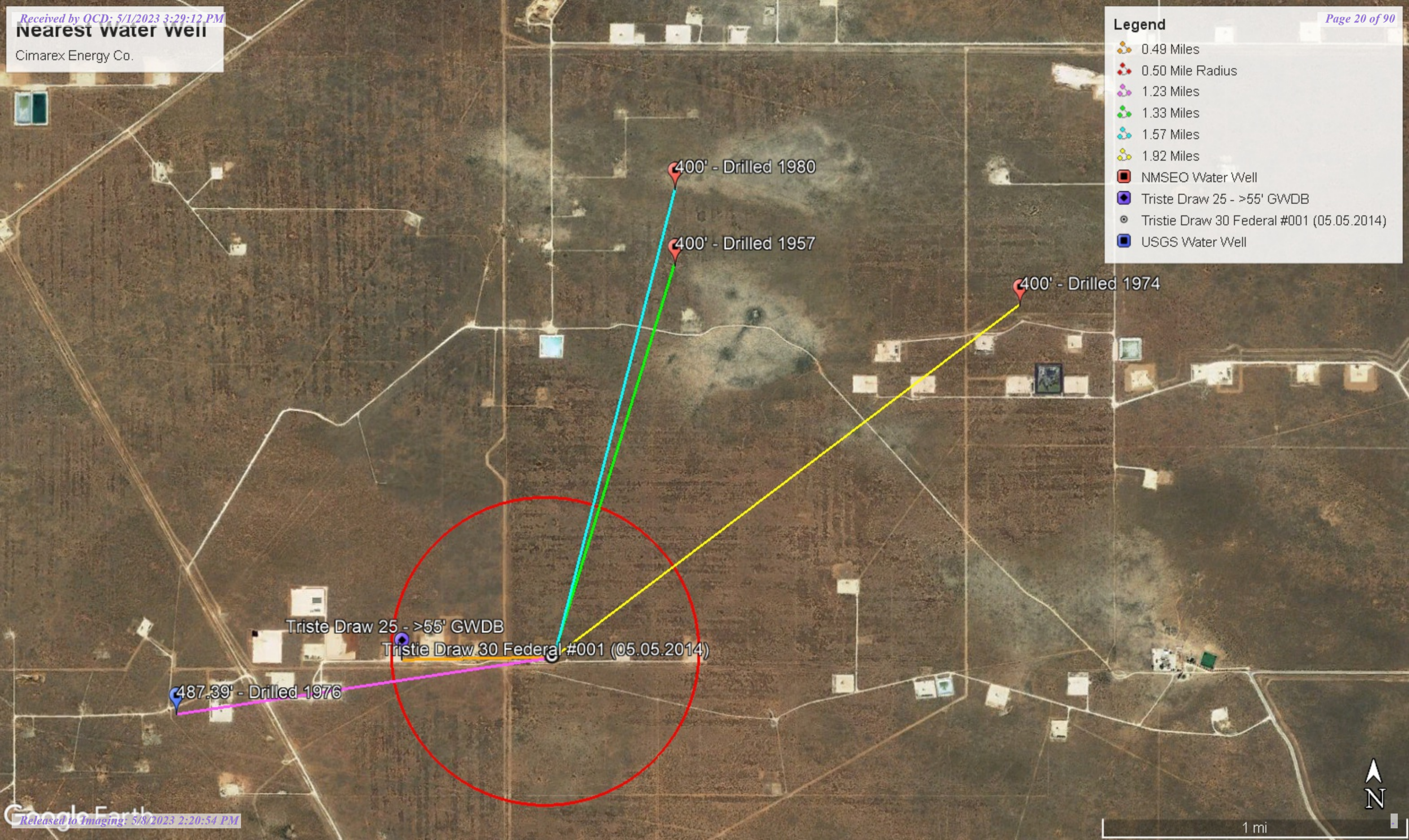


Nearest water well

Cimarex Energy Co.

Legend

- 0.49 Miles
- 0.50 Mile Radius
- 1.23 Miles
- 1.33 Miles
- 1.57 Miles
- 1.92 Miles
- NMSEO Water Well
- Triste Draw 25 - >55' GWDB
- Tristie Draw 30 Federal #001 (05.05.2014)
- USGS Water Well



Low Karst

Cimarex Energy Co.

Legend



Low



Tristie Draw 30 Federal #001 (05.05.2014)

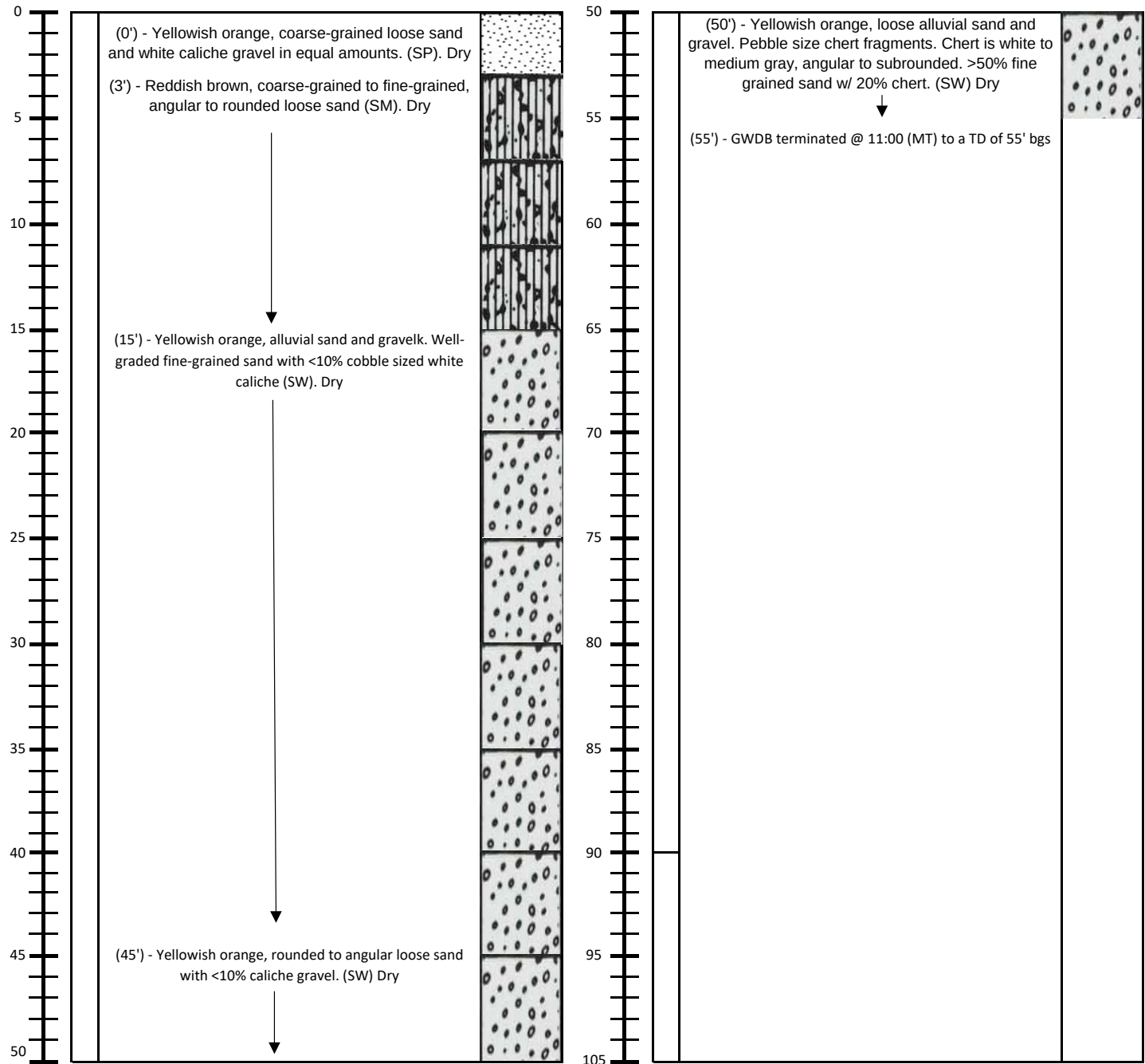
Tristie Draw 30 Federal #001 (05.05.2014)



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Project Name :	Cimarex - Triste Draw 25 ROW	Date :	Wednesday, October 27th, 2021
Project No. :	214707	Sampler :	Nick Hart
Location :	Lea Co, New Mexico	Driller :	Scarborough Drilling
Coordinates :	32.269008°, -103.625727°	Method :	Air Rotary
Elevation :	3,625'		

Depth (ft.)	WL	Soil Description	Lithology	Depth (ft.)	WL	Soil Description	Lithology
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Comments : Total Depth 55' bgs
Drilling Terminated @ 11:00 MT No groundwater present

Check for presence of groundwater on 11/01/2021
Dry



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 04551 POD1	CUB	LE		4	4	3	31	23S	33E	630671	3569556	1651			
C 02276	CUB	LE		3	1	4	19	23S	33E	630848	3573154*	2117	650	400	250
C 02275	CUB	LE		3	3	2	19	23S	33E	630843	3573557*	2502	650	400	250
C 02277	CUB	LE		2	3	4	20	23S	33E	632663	3572970*	3070	550	400	150
C 02279	CUB	LE		3	4	3	28	23S	33E	633691	3571173*	3493	650	400	250
C 03591 POD1	CUB	LE		2	1	4	05	24S	33E	632731	3568518	3645			

Average Depth to Water: **400 feet**

Minimum Depth: **400 feet**

Maximum Depth: **400 feet**

Record Count: 6

UTMNAD83 Radius Search (in meters):

Easting (X): 630198

Northing (Y): 3571139

Radius: 4000

*UTM location was derived from PLSS - see Help

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

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WATER COLUMN/ AVERAGE
DEPTH TO WATER



USGS Home
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Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

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- [Full News](#)

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 321555103381501

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

USGS 321555103381501 23S.32E.35.224111

Lea County, New Mexico
Latitude 32°15'59.0", Longitude 103°38'17.6" NAD83
Land-surface elevation 3,678.00 feet above NGVD29
The depth of the well is 700 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1976-12-08			D	62610	3190.61	NGVD29	P	Z		
1976-12-08			D	62611	3192.34	NAVD88	P	Z		
1976-12-08			D	72019	487.39		P	Z		

Explanation

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

Section	Code	Description
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.

[Questions about sites/data?](#)
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[Automated retrievals](#)
[Help](#)
[Data Tips](#)
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[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)
[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)
Title: Groundwater for New Mexico: Water Levels
URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2023-03-01 15:19:28 EST
0.27 0.23 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	02276	3	1	4	19	23S	33E	630848	3573154*

x

Driller License:**Driller Company:****Driller Name:** ABBOTT BROTHERS**Drill Start Date:****Drill Finish Date:**

12/31/1957

Plug Date:**Log File Date:****PCW Rcv Date:****Source:**

Shallow

Pump Type:**Pipe Discharge Size:****Estimated Yield:** 40 GPM**Casing Size:**

8.63

Depth Well:

650 feet

Depth Water:

400 feet

x

Meter Number:

515

Meter Make:

MASTER METER

Meter Serial Number: 152782**Meter Multiplier:**

10.0000

Number of Dials:

6

Meter Type:

Diversion

Unit of Measure:

Gallons

Return Flow Percent:**Usage Multiplier:****Reading Frequency:**

Quarterly

x

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
02/27/1999	1999	838142	A	ms		0
04/15/1999	1999	849194	A	ms		0.339
07/18/1999	1999	852511	A	ms		0.102
11/28/1999	1999	880506	A	ms		0.859
04/06/2000	2000	880525	A	mb		0.001
08/16/2000	2000	0	A	mb		0
08/16/2000	2000	3713	A	mb		0.114
09/15/2000	2000	34387	A	RPT		0.941
01/19/2001	2000	147434	A	RPT		3.469
04/27/2001	2001	250085	A	RPT		3.150
07/16/2001	2001	328518	A	ms		2.407
01/12/2002	2002	389056	A	tg		1.858
04/13/2002	2002	408878	A	RPT		0.608
07/12/2002	2002	440120	A	rm		0.959
01/01/2003	2002	505416	A	ms		2.004
04/28/2003	2003	536552	A	ms		0.956
07/11/2003	2003	693927	A	RPT		4.830
10/16/2003	2003	693927	A	ab		0
01/08/2004	2003	693927	A	ab		0
04/07/2004	2004	695806	A	RPT		0.058
07/15/2004	2004	723969	A	RPT		0.864
10/12/2004	2004	739108	A	RPT		0.465
01/26/2005	2004	788665	A	RPT		1.521
04/15/2005	2005	814297	A	RPT		0.787
08/03/2005	2005	846601	A	RPT		0.991

10/31/2005	2005	856320	A	RPT	0.298
01/31/2006	2005	866374	A	RPT	0.309
04/20/2006	2006	874208	A	RPT	0.240
07/19/2006	2006	889314	A	tw	0.464
11/27/2006	2006	917719	A	RPT	0.872
04/16/2007	2007	929550	A	RPT	0.363
07/13/2007	2007	936082	A	RPT	0.200
11/03/2007	2007	942871	A	RPT	0.208
04/15/2008	2008	944140	A	RPT	0.039
07/11/2008	2008	944909	A	RPT	0.024
01/08/2009	2008	964144	A	RPT	0.590
05/07/2009	2009	976275	A	RPT	0.372
07/06/2009	2009	984911	A	RPT	0.265
11/12/2009	2009	106368	R	tw Meter Rollover	3.727
05/13/2010	2010	257600	A	RPT	4.641
08/23/2010	2010	315189	A	RPT	1.767
11/09/2010	2010	317933	A	RPT	0.084
02/13/2011	2011	373250	A	RPT	1.698
07/12/2011	2011	468021	A	RPT	2.908
01/10/2012	2012	570894	A	RPT	3.157
04/15/2012	2012	671162	A	RPT	3.077
03/20/2013	2012	783611	A	RPT	3.451
07/18/2013	2013	842234	A	RPT	1.799
07/22/2019	2019	977178	A	RPT	4.141
04/01/2020	2020	977178	A	RPT	0

**YTD Meter Amounts:			Year	Amount
			1999	1.300
			2000	4.525
			2001	5.557
			2002	5.429
			2003	5.786
			2004	2.908
			2005	2.385
			2006	1.576
			2007	0.771
			2008	0.653
			2009	4.364
			2010	6.492
			2011	4.606
			2012	9.685
			2013	1.799
			2019	4.141
			2020	0

*UTM location was derived from PLSS - see Help

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3/1/23 1:09 PM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	02275	3	3	2	19	23S	33E	630843	3573557*

x

Driller License:**Driller Company:****Driller Name:** ABBOTT BROTHERS**Drill Start Date:****Drill Finish Date:**

12/31/1980

Plug Date:**Log File Date:****PCW Rcv Date:****Source:**

Shallow

Pump Type:**Pipe Discharge Size:****Estimated Yield:** 40 GPM**Casing Size:**

8.63

Depth Well:

650 feet

Depth Water:

400 feet

x

Meter Number:

514

Meter Make:

MASTER METER

Meter Serial Number: 1527874**Meter Multiplier:**

10.0000

Number of Dials:

6

Meter Type:

Diversion

Unit of Measure:

Gallons

Return Flow Percent:**Usage Multiplier:****Reading Frequency:**

Quarterly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
02/28/1999	1999	260142	A	ms		0
04/15/1999	1999	294352	A	ms		1.050
07/18/1999	1999	320962	A	ms		0.817
11/28/1999	1999	367317	A	ms		1.423
04/06/2000	2000	413837	A	mb		1.428
08/16/2000	2000	474649	A	mb		1.866
09/15/2000	2000	485983	A	RPT		0.348
01/19/2001	2000	530107	A	RPT		1.354
04/27/2001	2001	569967	A	RPT		1.223
07/16/2001	2001	620178	A	ms		1.541
01/12/2002	2002	652573	A	tg		0.994
04/13/2002	2002	662745	A	RPT		0.312
07/12/2002	2002	674878	A	rm		0.372
01/01/2003	2002	714899	A	ms		1.228
07/11/2003	2003	751760	A	ms		1.131
10/01/2003	2003	778772	A	ab		0.829
01/08/2004	2003	802123	A	ab		0.717
04/07/2004	2004	821801	A	RPT		0.604
07/15/2004	2004	836507	A	RPT		0.451
10/12/2004	2004	844068	A	RPT		0.232
01/26/2005	2004	877058	A	RPT		1.012
04/15/2005	2005	889933	A	RPT		0.395
08/03/2005	2005	891339	A	RPT		0.043
10/31/2005	2005	927761	A	RPT		1.118
01/31/2006	2005	941723	A	RPT		0.428

04/20/2006	2006	966263	A	RPT	0.753
07/19/2006	2006	9421	R	tw Meter Rollover	1.324
11/27/2006	2006	90114	A	RPT	2.476
04/16/2007	2007	124935	A	tw	1.069
07/13/2007	2007	148838	A	tw	0.734
11/03/2007	2007	189325	A	RPT	1.243
04/15/2008	2008	230341	A	RPT	1.259
07/11/2008	2008	273176	A	RPT	1.315
01/08/2009	2008	375616	A	RPT	3.144
05/07/2009	2009	432782	A	RPT	1.754
07/06/2009	2009	465558	A	RPT	1.006
11/02/2009	2009	537994	A	tw	2.223
05/13/2010	2010	592265	A	RPT	1.666
08/23/2010	2010	598613	A	RPT	0.195
11/09/2010	2010	598791	A	RPT	0.005
02/13/2011	2011	599215	A	RPT	0.013
07/12/2011	2011	607344	A	RPT	0.249
01/10/2012	2012	608458	A	RPT	0.034
04/15/2012	2012	608566	A	RPT	0.003
03/20/2013	2012	608566	A	RPT	0
07/18/2013	2013	608566	A	RPT	0
07/22/2019	2019	896990	A	RPT	8.851
04/01/2020	2020	120850	R	RPT Meter Rollover	6.870

**YTD Meter Amounts:	Year	Amount
	1999	3.290
	2000	4.996
	2001	2.764
	2002	2.906
	2003	2.677
	2004	2.299
	2005	1.984
	2006	4.553
	2007	3.046
	2008	5.718
	2009	4.983
	2010	1.866
	2011	0.262
	2012	0.037
	2013	0
	2019	8.851
	2020	6.870

*UTM location was derived from PLSS - see Help

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New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	02277	2	3	4	20	23S	33E	632663	3572970*

x

Driller License:**Driller Company:****Driller Name:** ABBOTT BROTHERS**Drill Start Date:****Drill Finish Date:**

12/31/1974

Plug Date:**Log File Date:****PCW Rcv Date:****Source:**

Shallow

Pump Type:**Pipe Discharge Size:****Estimated Yield:** 30 GPM**Casing Size:** 8.63**Depth Well:**

550 feet

Depth Water: 400 feet

x

Meter Number:	516	Meter Make:	MASTER METER
Meter Serial Number:	1527870	Meter Multiplier:	10.0000
Number of Dials:	6	Meter Type:	Diversion
Unit of Measure:	Gallons	Return Flow Percent:	
Usage Multiplier:		Reading Frequency:	Quarterly

x

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
02/27/1999	1999	9375	A	ms		0	
04/15/1999	1999	9375	A	ms		0	
07/18/1999	1999	9375	A	ms		0	
11/28/1999	1999	32883	A	ms		0.721	
04/06/2000	2000	68700	A	mb		1.099	
08/16/2000	2000	68722	A	mb		0.001	
09/15/2000	2000	68723	A	RPT		0	
01/19/2001	2000	68723	A	RPT		0	
04/27/2001	2001	68723	A	RPT		0	
07/16/2001	2001	68723	A	ms		0	
01/12/2002	2002	68723	A	tg		0	
04/13/2002	2002	68723	A	RPT		0	
07/12/2002	2002	68723	A	rm		0	
01/01/2003	2002	68723	A	RPT		0	
04/23/2003	2003	882399	A	RPT		24.971	
07/11/2003	2003	882711	A	RPT		0.010	
10/01/2003	2003	888716	A	ab		0.184	
01/08/2004	2003	896550	A	ab		0.240	
04/07/2004	2004	896565	A	RPT		0	
07/15/2004	2004	899394	A	RPT		0.087	
10/12/2004	2004	899404	A	RPT		0	
01/26/2005	2004	899404	A	RPT		0	
04/15/2005	2005	899404	A	RPT		0	
08/03/2005	2005	899406	A	RPT		0	
10/31/2005	2005	899406	A	RPT		0	

01/31/2006	2005	899406	A	RPT	0
04/20/2006	2006	899406	A	RPT	0
07/19/2006	2006	909832	A	tw	0.320
11/27/2006	2006	909832	A	RPT	0
04/16/2007	2007	909832	A	RPT	0
07/13/2007	2007	909832	A	RPT	0
11/03/2007	2007	909832	A	RPT	0
04/15/2008	2008	909832	A	RPT	0
07/11/2008	2008	909832	A	RPT	0
01/08/2009	2008	909832	A	RPT	0
05/07/2009	2009	909832	A	RPT	0
07/06/2009	2009	913539	A	RPT	0.114
11/12/2009	2009	945793	A	tw	0.990
05/13/2010	2010	951283	A	RPT	0.168
08/23/2010	2010	951283	A	RPT	0
11/09/2010	2010	951283	A	RPT	0
02/13/2011	2011	951283	A	RPT	0
07/12/2011	2011	86397	R	RPT Meter Rollover	4.146
01/10/2012	2012	254337	A	RPT	5.154
04/15/2012	2012	328978	A	RPT	2.291
03/20/2013	2012	544463	A	RPT	6.613
07/18/2013	2013	557631	A	RPT	0.404
07/22/2019	2019	803867	A	RPT	7.557
04/01/2020	2020	150762	R	RPT Meter Rollover	10.646

**YTD Meter Amounts:	Year	Amount
	1999	0.721
	2000	1.100
	2001	0
	2002	0
	2003	25.405
	2004	0.087
	2005	0
	2006	0.320
	2007	0
	2008	0
	2009	1.104
	2010	0.168
	2011	4.146
	2012	14.058
	2013	0.404
	2019	7.557
	2020	10.646

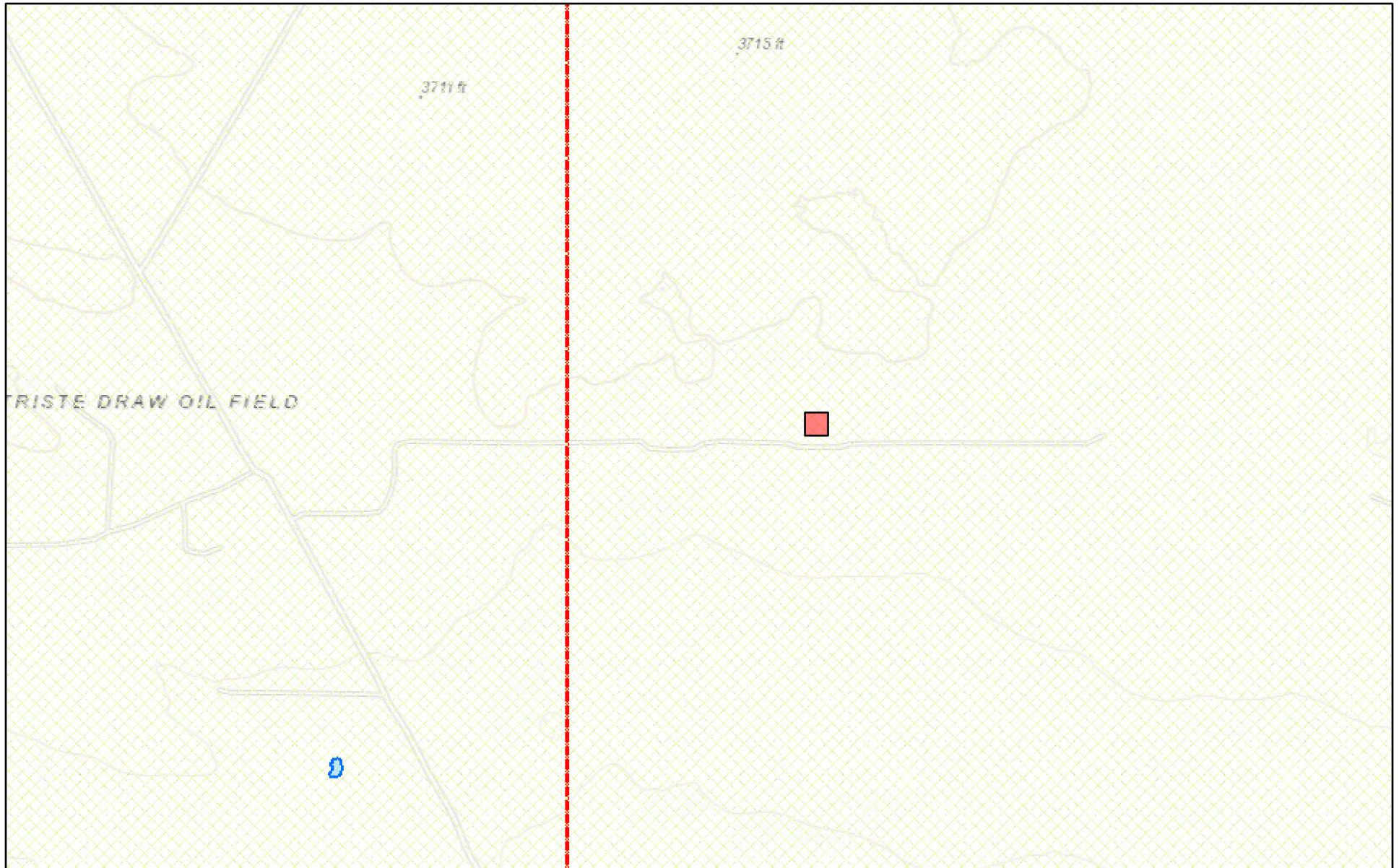
*UTM location was derived from PLSS - see Help

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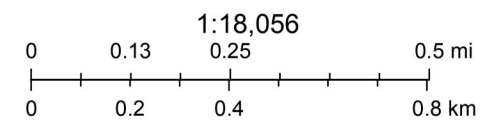
3/1/23 1:11 PM

POINT OF DIVERSION SUMMARY

New Mexico NFHL Data



February 28, 2023



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

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APPENDIX E

CARMONA RESOURCES





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring
Carmona Resources
310 W Wall St
Ste 415
Midland, Texas 79701

Generated 3/28/2023 9:38:18 AM

JOB DESCRIPTION

Triste Draw 30 Federal #001 (05.05.2014)
SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-26041-1

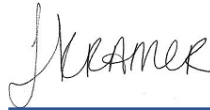
Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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
3/28/2023 9:38:18 AM

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

Client: Carmona Resources
Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

Laboratory Job ID: 880-26041-1
SDG: Lea County, New Mexico

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QC Sample Results	21
QC Association Summary	28
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Definitions/Glossary

Client: Carmona Resources
Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

Job ID: 880-26041-1
SDG: Lea 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
*1	LCS/LCSD RPD exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
SQL	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

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

Job ID: 880-26041-1
SDG: Lea County, New Mexico

Job ID: 880-26041-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-26041-1****Receipt**

The samples were received on 3/16/2023 11:28 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 4.2°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-49423 and analytical batch 880-49565 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-2 (2.0'-3.0') (880-26041-9). 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-2 (0.5'-1') (880-26041-6). 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: H-1 (0-0.5') (880-26041-15). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-49143 and analytical batch 880-49155 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-49143/2-A) and (LCSD 880-49143/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-49143 and analytical batch 880-49155 was outside control limits. Sample non-homogeneity is suspected.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-49298/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-26160-A-23-D MS) and (880-26160-A-23-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 880-49281/31) and (LCS 880-49332/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-49298 and analytical batch 880-49281 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

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: Triste Draw 30 Federal #001 (05.05.2014)

Job ID: 880-26041-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-26041-1

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1 F2	0.00199		mg/Kg		03/24/23 13:09	03/27/23 22:10	1
Toluene	<0.00199	U F1	0.00199		mg/Kg		03/24/23 13:09	03/27/23 22:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/24/23 13:09	03/27/23 22:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/24/23 13:09	03/27/23 22:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/24/23 13:09	03/27/23 22:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/24/23 13:09	03/27/23 22:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	03/24/23 13:09	03/27/23 22:10	1
1,4-Difluorobenzene (Surr)	82		70 - 130	03/24/23 13:09	03/27/23 22:10	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			03/28/23 10:05	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			03/23/23 12:31	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		03/21/23 13:58	03/22/23 15:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/21/23 13:58	03/22/23 15:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/21/23 13:58	03/22/23 15:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	03/21/23 13:58	03/22/23 15:30	1
o-Terphenyl	98		70 - 130	03/21/23 13:58	03/22/23 15:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	196		5.00		mg/Kg			03/26/23 12:39	1

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

Lab Sample ID: 880-26041-2

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/24/23 13:09	03/27/23 22:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/24/23 13:09	03/27/23 22:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/24/23 13:09	03/27/23 22:31	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/24/23 13:09	03/27/23 22:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/24/23 13:09	03/27/23 22:31	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/24/23 13:09	03/27/23 22:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	03/24/23 13:09	03/27/23 22:31	1
1,4-Difluorobenzene (Surr)	93		70 - 130	03/24/23 13:09	03/27/23 22:31	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

Job ID: 880-26041-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-26041-2

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/28/23 10:05	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			03/23/23 12:31	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		03/21/23 13:58	03/22/23 15:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/21/23 13:58	03/22/23 15:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/21/23 13:58	03/22/23 15:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				03/21/23 13:58	03/22/23 15:52	1
o-Terphenyl	96		70 - 130				03/21/23 13:58	03/22/23 15:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	347		5.01		mg/Kg			03/26/23 12:43	1

Client Sample ID: S-1 (1.0'-1.5')

Lab Sample ID: 880-26041-3

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

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		03/24/23 13:09	03/27/23 22:51	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/24/23 13:09	03/27/23 22:51	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/24/23 13:09	03/27/23 22:51	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/24/23 13:09	03/27/23 22:51	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/24/23 13:09	03/27/23 22:51	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/24/23 13:09	03/27/23 22:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				03/24/23 13:09	03/27/23 22:51	1
1,4-Difluorobenzene (Surr)	93		70 - 130				03/24/23 13:09	03/27/23 22:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/28/23 10:05	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			03/23/23 12:31	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		03/21/23 13:58	03/22/23 16:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/21/23 13:58	03/22/23 16:14	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

Job ID: 880-26041-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (1.0'-1.5')

Lab Sample ID: 880-26041-3

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/21/23 13:58	03/22/23 16:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				03/21/23 13:58	03/22/23 16:14	1
o-Terphenyl	97		70 - 130				03/21/23 13:58	03/22/23 16:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	803		5.04		mg/Kg			03/26/23 12:57	1

Client Sample ID: S-1 (1.5'-2')

Lab Sample ID: 880-26041-4

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/24/23 13:09	03/27/23 23:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/24/23 13:09	03/27/23 23:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/24/23 13:09	03/27/23 23:12	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/24/23 13:09	03/27/23 23:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/24/23 13:09	03/27/23 23:12	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/24/23 13:09	03/27/23 23:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				03/24/23 13:09	03/27/23 23:12	1
1,4-Difluorobenzene (Surr)	90		70 - 130				03/24/23 13:09	03/27/23 23:12	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			03/28/23 10:05	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			03/23/23 12:31	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		03/21/23 13:58	03/22/23 16:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/21/23 13:58	03/22/23 16:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/21/23 13:58	03/22/23 16:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				03/21/23 13:58	03/22/23 16:36	1
o-Terphenyl	115		70 - 130				03/21/23 13:58	03/22/23 16:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	766		4.97		mg/Kg			03/26/23 13:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

Job ID: 880-26041-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-26041-5

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

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		03/24/23 13:09	03/27/23 23:33	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/24/23 13:09	03/27/23 23:33	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/24/23 13:09	03/27/23 23:33	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/24/23 13:09	03/27/23 23:33	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/24/23 13:09	03/27/23 23:33	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/24/23 13:09	03/27/23 23:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	03/24/23 13:09	03/27/23 23:33	1
1,4-Difluorobenzene (Surr)	91		70 - 130	03/24/23 13:09	03/27/23 23:33	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			03/28/23 10:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	64.2		50.0		mg/Kg			03/23/23 12:31	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		03/21/23 13:58	03/22/23 16:57	1
Diesel Range Organics (Over C10-C28)	64.2		50.0		mg/Kg		03/21/23 13:58	03/22/23 16:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/21/23 13:58	03/22/23 16:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	03/21/23 13:58	03/22/23 16:57	1
o-Terphenyl	97		70 - 130	03/21/23 13:58	03/22/23 16:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.2		4.99		mg/Kg			03/26/23 13:06	1

Client Sample ID: S-2 (0.5-1')

Lab Sample ID: 880-26041-6

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

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		03/24/23 13:09	03/27/23 23:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/24/23 13:09	03/27/23 23:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/24/23 13:09	03/27/23 23:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/24/23 13:09	03/27/23 23:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/24/23 13:09	03/27/23 23:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/24/23 13:09	03/27/23 23:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	55	S1-	70 - 130	03/24/23 13:09	03/27/23 23:53	1
1,4-Difluorobenzene (Surr)	94		70 - 130	03/24/23 13:09	03/27/23 23:53	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

Job ID: 880-26041-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (0.5'-1')

Lab Sample ID: 880-26041-6

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/28/23 10:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	69.7		49.9		mg/Kg			03/23/23 12:31	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		03/21/23 13:58	03/22/23 17:19	1
Diesel Range Organics (Over C10-C28)	69.7		49.9		mg/Kg		03/21/23 13:58	03/22/23 17:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/21/23 13:58	03/22/23 17:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				03/21/23 13:58	03/22/23 17:19	1
o-Terphenyl	95		70 - 130				03/21/23 13:58	03/22/23 17:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.2		5.03		mg/Kg			03/26/23 13:11	1

Client Sample ID: S-2 (1.0'-1.5')

Lab Sample ID: 880-26041-7

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/24/23 13:09	03/28/23 00:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/24/23 13:09	03/28/23 00:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/24/23 13:09	03/28/23 00:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/24/23 13:09	03/28/23 00:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/24/23 13:09	03/28/23 00:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/24/23 13:09	03/28/23 00:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				03/24/23 13:09	03/28/23 00:14	1
1,4-Difluorobenzene (Surr)	80		70 - 130				03/24/23 13:09	03/28/23 00:14	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			03/28/23 10:05	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			03/24/23 13:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/23/23 10:07	03/23/23 13:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		03/23/23 10:07	03/23/23 13:45	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

Job ID: 880-26041-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (1.0'-1.5')

Lab Sample ID: 880-26041-7

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/23 10:07	03/23/23 13:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				03/23/23 10:07	03/23/23 13:45	1
o-Terphenyl	99		70 - 130				03/23/23 10:07	03/23/23 13:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.0		5.05		mg/Kg			03/26/23 13:15	1

Client Sample ID: S-2 (1.5'-2.0')

Lab Sample ID: 880-26041-8

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

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		03/24/23 13:09	03/28/23 00:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/24/23 13:09	03/28/23 00:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/24/23 13:09	03/28/23 00:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/24/23 13:09	03/28/23 00:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/24/23 13:09	03/28/23 00:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/24/23 13:09	03/28/23 00:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				03/24/23 13:09	03/28/23 00:34	1
1,4-Difluorobenzene (Surr)	90		70 - 130				03/24/23 13:09	03/28/23 00:34	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			03/28/23 10:05	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			03/24/23 13:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/23/23 10:07	03/23/23 14:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		03/23/23 10:07	03/23/23 14:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/23/23 10:07	03/23/23 14:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				03/23/23 10:07	03/23/23 14:07	1
o-Terphenyl	110		70 - 130				03/23/23 10:07	03/23/23 14:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.9		4.99		mg/Kg			03/26/23 13:20	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

Job ID: 880-26041-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (2.0'-3.0')

Lab Sample ID: 880-26041-9

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

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		03/24/23 13:09	03/28/23 00:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/24/23 13:09	03/28/23 00:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/24/23 13:09	03/28/23 00:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/24/23 13:09	03/28/23 00:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/24/23 13:09	03/28/23 00:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/24/23 13:09	03/28/23 00:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	58	S1-	70 - 130	03/24/23 13:09	03/28/23 00:55	1
1,4-Difluorobenzene (Surr)	89		70 - 130	03/24/23 13:09	03/28/23 00:55	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			03/28/23 10:05	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			03/23/23 12:31	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		03/21/23 13:58	03/22/23 17:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/21/23 13:58	03/22/23 17:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/21/23 13:58	03/22/23 17:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	03/21/23 13:58	03/22/23 17:41	1
o-Terphenyl	97		70 - 130	03/21/23 13:58	03/22/23 17:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.4		5.02		mg/Kg			03/26/23 13:33	1

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

Lab Sample ID: 880-26041-10

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/24/23 13:09	03/28/23 01:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/24/23 13:09	03/28/23 01:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/24/23 13:09	03/28/23 01:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/24/23 13:09	03/28/23 01:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/24/23 13:09	03/28/23 01:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/24/23 13:09	03/28/23 01:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	03/24/23 13:09	03/28/23 01:15	1
1,4-Difluorobenzene (Surr)	91		70 - 130	03/24/23 13:09	03/28/23 01:15	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

Job ID: 880-26041-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-26041-10

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/28/23 10:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	64.6		49.9		mg/Kg			03/24/23 13:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/23/23 10:07	03/23/23 14:28	1
Diesel Range Organics (Over C10-C28)	64.6	*1	49.9		mg/Kg		03/23/23 10:07	03/23/23 14:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/23/23 10:07	03/23/23 14:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				03/23/23 10:07	03/23/23 14:28	1
o-Terphenyl	109		70 - 130				03/23/23 10:07	03/23/23 14:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	109		5.04		mg/Kg			03/26/23 13:38	1

Client Sample ID: S-3 (0.5'-1')

Lab Sample ID: 880-26041-11

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/24/23 13:09	03/28/23 02:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/24/23 13:09	03/28/23 02:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/24/23 13:09	03/28/23 02:39	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/24/23 13:09	03/28/23 02:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/24/23 13:09	03/28/23 02:39	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/24/23 13:09	03/28/23 02:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				03/24/23 13:09	03/28/23 02:39	1
1,4-Difluorobenzene (Surr)	75		70 - 130				03/24/23 13:09	03/28/23 02:39	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			03/28/23 10:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	622		50.0		mg/Kg			03/24/23 13:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/23/23 10:07	03/23/23 14:50	1
Diesel Range Organics (Over C10-C28)	525	*1	50.0		mg/Kg		03/23/23 10:07	03/23/23 14:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

Job ID: 880-26041-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (0.5'-1')

Lab Sample ID: 880-26041-11

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	96.6		50.0		mg/Kg		03/23/23 10:07	03/23/23 14:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				03/23/23 10:07	03/23/23 14:50	1
o-Terphenyl	100		70 - 130				03/23/23 10:07	03/23/23 14:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.4		5.04		mg/Kg			03/26/23 13:51	1

Client Sample ID: S-3 (1.0'-1.5')

Lab Sample ID: 880-26041-12

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

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		03/24/23 13:09	03/28/23 02:59	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/24/23 13:09	03/28/23 02:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/24/23 13:09	03/28/23 02:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/24/23 13:09	03/28/23 02:59	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/24/23 13:09	03/28/23 02:59	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/24/23 13:09	03/28/23 02:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				03/24/23 13:09	03/28/23 02:59	1
1,4-Difluorobenzene (Surr)	92		70 - 130				03/24/23 13:09	03/28/23 02:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/28/23 10:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	114		49.9		mg/Kg			03/24/23 13:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/23/23 10:07	03/23/23 15:11	1
Diesel Range Organics (Over C10-C28)	114	*1	49.9		mg/Kg		03/23/23 10:07	03/23/23 15:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/23/23 10:07	03/23/23 15:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				03/23/23 10:07	03/23/23 15:11	1
o-Terphenyl	99		70 - 130				03/23/23 10:07	03/23/23 15:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.7		4.96		mg/Kg			03/26/23 13:56	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

Job ID: 880-26041-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (1.5'-2.0')

Lab Sample ID: 880-26041-13

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/24/23 13:09	03/28/23 03:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/24/23 13:09	03/28/23 03:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/24/23 13:09	03/28/23 03:20	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/24/23 13:09	03/28/23 03:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/24/23 13:09	03/28/23 03:20	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/24/23 13:09	03/28/23 03:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	03/24/23 13:09	03/28/23 03:20	1
1,4-Difluorobenzene (Surr)	104		70 - 130	03/24/23 13:09	03/28/23 03:20	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			03/28/23 10:05	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			03/24/23 13:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/23/23 10:07	03/23/23 15:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		03/23/23 10:07	03/23/23 15:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/23/23 10:07	03/23/23 15:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	03/23/23 10:07	03/23/23 15:33	1
o-Terphenyl	100		70 - 130	03/23/23 10:07	03/23/23 15:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.6		4.95		mg/Kg			03/26/23 14:01	1

Client Sample ID: S-3 (2.0'-3.0')

Lab Sample ID: 880-26041-14

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/24/23 13:09	03/28/23 03:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/24/23 13:09	03/28/23 03:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/24/23 13:09	03/28/23 03:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/24/23 13:09	03/28/23 03:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/24/23 13:09	03/28/23 03:40	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/24/23 13:09	03/28/23 03:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	03/24/23 13:09	03/28/23 03:40	1
1,4-Difluorobenzene (Surr)	95		70 - 130	03/24/23 13:09	03/28/23 03:40	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

Job ID: 880-26041-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (2.0'-3.0')

Lab Sample ID: 880-26041-14

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/28/23 10:05	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			03/24/23 13:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/23/23 14:12	03/23/23 21:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/23/23 14:12	03/23/23 21:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/23 14:12	03/23/23 21:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				03/23/23 14:12	03/23/23 21:16	1
o-Terphenyl	107		70 - 130				03/23/23 14:12	03/23/23 21:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.3		5.05		mg/Kg			03/26/23 14:05	1

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

Lab Sample ID: 880-26041-15

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

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		03/24/23 13:09	03/28/23 04:01	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/24/23 13:09	03/28/23 04:01	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/24/23 13:09	03/28/23 04:01	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/24/23 13:09	03/28/23 04:01	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/24/23 13:09	03/28/23 04:01	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/24/23 13:09	03/28/23 04:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				03/24/23 13:09	03/28/23 04:01	1
1,4-Difluorobenzene (Surr)	84		70 - 130				03/24/23 13:09	03/28/23 04:01	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			03/28/23 10:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	141		50.0		mg/Kg			03/24/23 13:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/23/23 14:12	03/23/23 22:21	1
Diesel Range Organics (Over C10-C28)	141		50.0		mg/Kg		03/23/23 14:12	03/23/23 22:21	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

Job ID: 880-26041-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-26041-15

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/23 14:12	03/23/23 22:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				03/23/23 14:12	03/23/23 22:21	1
o-Terphenyl	102		70 - 130				03/23/23 14:12	03/23/23 22:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			03/26/23 14:10	1

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

Lab Sample ID: 880-26041-16

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

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		03/24/23 13:09	03/28/23 04:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/24/23 13:09	03/28/23 04:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/24/23 13:09	03/28/23 04:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/24/23 13:09	03/28/23 04:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/24/23 13:09	03/28/23 04:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/24/23 13:09	03/28/23 04:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130				03/24/23 13:09	03/28/23 04:22	1
1,4-Difluorobenzene (Surr)	91		70 - 130				03/24/23 13:09	03/28/23 04:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/28/23 10:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	302		49.9		mg/Kg			03/24/23 13:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/23/23 14:12	03/23/23 22:42	1
Diesel Range Organics (Over C10-C28)	232		49.9		mg/Kg		03/23/23 14:12	03/23/23 22:42	1
Oil Range Organics (Over C28-C36)	69.7		49.9		mg/Kg		03/23/23 14:12	03/23/23 22:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				03/23/23 14:12	03/23/23 22:42	1
o-Terphenyl	115		70 - 130				03/23/23 14:12	03/23/23 22:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			03/26/23 14:14	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

Job ID: 880-26041-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-26041-17

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

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		03/24/23 13:09	03/28/23 04:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/24/23 13:09	03/28/23 04:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/24/23 13:09	03/28/23 04:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/24/23 13:09	03/28/23 04:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/24/23 13:09	03/28/23 04:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/24/23 13:09	03/28/23 04:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	03/24/23 13:09	03/28/23 04:42	1
1,4-Difluorobenzene (Surr)	98		70 - 130	03/24/23 13:09	03/28/23 04:42	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			03/28/23 10:05	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			03/24/23 13:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/23/23 14:12	03/23/23 23:04	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/23/23 14:12	03/23/23 23:04	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/23/23 14:12	03/23/23 23:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	03/23/23 14:12	03/23/23 23:04	1
o-Terphenyl	102		70 - 130	03/23/23 14:12	03/23/23 23:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<24.8	U	24.8		mg/Kg			03/26/23 14:19	5

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-26041-1

Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	BFB1	DFBZ1						
		(70-130)	(70-130)						
880-26041-1	S-1 (0-0.5')	105	82						
880-26041-1 MS	S-1 (0-0.5')	130	86						
880-26041-1 MSD	S-1 (0-0.5')	122	88						
880-26041-2	S-1 (0.5'-1')	118	93						
880-26041-3	S-1 (1.0'-1.5')	125	93						
880-26041-4	S-1 (1.5'-2')	125	90						
880-26041-5	S-2 (0-0.5')	121	91						
880-26041-6	S-2 (0.5-1')	55 S1-	94						
880-26041-7	S-2 (1.0'-1.5')	99	80						
880-26041-8	S-2 (1.5'-2.0')	120	90						
880-26041-9	S-2 (2.0'-3.0')	58 S1-	89						
880-26041-10	S-3 (0-0.5')	123	91						
880-26041-11	S-3 (0.5'-1')	84	75						
880-26041-12	S-3 (1.0'-1.5')	127	92						
880-26041-13	S-3 (1.5'-2.0')	118	104						
880-26041-14	S-3 (2.0'-3.0')	128	95						
880-26041-15	H-1 (0-0.5')	132 S1+	84						
880-26041-16	H-2 (0-0.5')	129	91						
880-26041-17	H-3 (0-0.5')	122	98						
LCS 880-49423/1-A	Lab Control Sample	112	92						
LCSD 880-49423/2-A	Lab Control Sample Dup	119	95						
MB 880-49395/5-A	Method Blank	98	80						
MB 880-49423/5-A	Method Blank	106	81						
Surrogate Legend									
BFB = 4-Bromofluorobenzene (Surr)									
DFBZ = 1,4-Difluorobenzene (Surr)									

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-26040-A-11-B MS	Matrix Spike	100	99				
880-26040-A-11-C MSD	Matrix Spike Duplicate	122	121				
880-26041-1	S-1 (0-0.5')	87	98				
880-26041-2	S-1 (0.5'-1')	86	96				
880-26041-3	S-1 (1.0'-1.5')	87	97				
880-26041-4	S-1 (1.5'-2')	103	115				
880-26041-5	S-2 (0-0.5')	87	97				
880-26041-6	S-2 (0.5'-1')	84	95				
880-26041-7	S-2 (1.0'-1.5')	88	99				
880-26041-8	S-2 (1.5'-2.0')	97	110				
880-26041-9	S-2 (2.0'-3.0')	86	97				
880-26041-10	S-3 (0-0.5')	91	109				
880-26041-11	S-3 (0.5'-1')	86	100				
880-26041-12	S-3 (1.0'-1.5')	87	99				
880-26041-13	S-3 (1.5'-2.0')	87	100				
880-26041-14	S-3 (2.0'-3.0')	94	107				

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-26041-1

Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

SDG: Lea County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-26041-14 MS	S-3 (2.0'-3.0')	110	109
880-26041-14 MSD	S-3 (2.0'-3.0')	95	94
880-26041-15	H-1 (0-0.5')	94	102
880-26041-16	H-2 (0-0.5')	105	115
880-26041-17	H-3 (0-0.5')	91	102
880-26160-A-23-D MS	Matrix Spike	17 S1-	11 S1-
880-26160-A-23-E MSD	Matrix Spike Duplicate	18 S1-	12 S1-
LCS 880-49143/2-A	Lab Control Sample	115	135 S1+
LCS 880-49298/2-A	Lab Control Sample	106	128
LCS 880-49332/2-A	Lab Control Sample	116	136 S1+
LCSD 880-49143/3-A	Lab Control Sample Dup	111	132 S1+
LCSD 880-49298/3-A	Lab Control Sample Dup	134 S1+	157 S1+
LCSD 880-49332/3-A	Lab Control Sample Dup	104	123
MB 880-49143/1-A	Method Blank	117	138 S1+
MB 880-49298/1-A	Method Blank	91	106
MB 880-49332/1-A	Method Blank	96	109
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

Job ID: 880-26041-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-49395/5-A

Matrix: Solid

Analysis Batch: 49565

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 49395

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/24/23 10:32	03/27/23 11:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/24/23 10:32	03/27/23 11:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/24/23 10:32	03/27/23 11:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/24/23 10:32	03/27/23 11:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/24/23 10:32	03/27/23 11:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/24/23 10:32	03/27/23 11:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	03/24/23 10:32	03/27/23 11:05	1
1,4-Difluorobenzene (Surr)	80		70 - 130	03/24/23 10:32	03/27/23 11:05	1

Lab Sample ID: MB 880-49423/5-A

Matrix: Solid

Analysis Batch: 49565

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 49423

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/24/23 13:09	03/27/23 21:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/24/23 13:09	03/27/23 21:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/24/23 13:09	03/27/23 21:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/24/23 13:09	03/27/23 21:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/24/23 13:09	03/27/23 21:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/24/23 13:09	03/27/23 21:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	03/24/23 13:09	03/27/23 21:49	1
1,4-Difluorobenzene (Surr)	81		70 - 130	03/24/23 13:09	03/27/23 21:49	1

Lab Sample ID: LCS 880-49423/1-A

Matrix: Solid

Analysis Batch: 49565

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 49423

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07371		mg/Kg		74	70 - 130
Toluene	0.100	0.08072		mg/Kg		81	70 - 130
Ethylbenzene	0.100	0.08323		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	0.200	0.1753		mg/Kg		88	70 - 130
o-Xylene	0.100	0.09022		mg/Kg		90	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: LCSD 880-49423/2-A

Matrix: Solid

Analysis Batch: 49565

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 49423

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07731		mg/Kg		77	70 - 130	5	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

Job ID: 880-26041-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-49423/2-A

Matrix: Solid

Analysis Batch: 49565

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 49423

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.08578		mg/Kg		86	70 - 130	6	35
Ethylbenzene	0.100	0.08681		mg/Kg		87	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1855		mg/Kg		93	70 - 130	6	35
o-Xylene	0.100	0.09680		mg/Kg		97	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-26041-1 MS

Matrix: Solid

Analysis Batch: 49565

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

Prep Type: Total/NA

Prep Batch: 49423

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U F1 F2	0.100	0.04576	F1	mg/Kg		46	70 - 130
Toluene	<0.00199	U F1	0.100	0.06591	F1	mg/Kg		66	70 - 130
Ethylbenzene	<0.00199	U	0.100	0.07915		mg/Kg		79	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.201	0.1695		mg/Kg		84	70 - 130
o-Xylene	<0.00199	U	0.100	0.08818		mg/Kg		87	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	130		70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: 880-26041-1 MSD

Matrix: Solid

Analysis Batch: 49565

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

Prep Type: Total/NA

Prep Batch: 49423

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1 F2	0.0990	0.07457	F2	mg/Kg		75	70 - 130	48	35
Toluene	<0.00199	U F1	0.0990	0.08610		mg/Kg		87	70 - 130	27	35
Ethylbenzene	<0.00199	U	0.0990	0.08930		mg/Kg		90	70 - 130	12	35
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1906		mg/Kg		96	70 - 130	12	35
o-Xylene	<0.00199	U	0.0990	0.09747		mg/Kg		98	70 - 130	10	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

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

Lab Sample ID: MB 880-49143/1-A

Matrix: Solid

Analysis Batch: 49155

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 49143

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		03/21/23 13:58	03/22/23 08:00	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

Job ID: 880-26041-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-49143/1-A

Matrix: Solid

Analysis Batch: 49155

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 49143

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		03/21/23 13:58	03/22/23 08:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/21/23 13:58	03/22/23 08:00	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				03/21/23 13:58	03/22/23 08:00	1
o-Terphenyl	138	S1+	70 - 130				03/21/23 13:58	03/22/23 08:00	1

Lab Sample ID: LCS 880-49143/2-A

Matrix: Solid

Analysis Batch: 49155

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 49143

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	957.6		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	916.2		mg/Kg		92	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	115		70 - 130				
o-Terphenyl	135	S1+	70 - 130				

Lab Sample ID: LCSD 880-49143/3-A

Matrix: Solid

Analysis Batch: 49155

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 49143

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	941.5		mg/Kg		94	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	888.6		mg/Kg		89	70 - 130	3	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	111		70 - 130						
o-Terphenyl	132	S1+	70 - 130						

Lab Sample ID: 880-26040-A-11-B MS

Matrix: Solid

Analysis Batch: 49155

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 49143

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 F2	999	963.1		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	124		999	919.6		mg/Kg		80	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	100		70 - 130						
o-Terphenyl	99		70 - 130						

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QC Sample Results

Client: Carmona Resources
Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

Job ID: 880-26041-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-26040-A-11-C MSD

Matrix: Solid

Analysis Batch: 49155

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 49143

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	998	1211	F2	mg/Kg		119	70 - 130	23	20
Diesel Range Organics (Over C10-C28)	124		998	1104		mg/Kg		98	70 - 130	18	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	122		70 - 130								
o-Terphenyl	121		70 - 130								

Lab Sample ID: MB 880-49298/1-A

Matrix: Solid

Analysis Batch: 49281

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 49298

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		03/23/23 08:07	03/23/23 08:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/23/23 08:07	03/23/23 08:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/23 08:07	03/23/23 08:38	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				03/23/23 08:07	03/23/23 08:38	1
o-Terphenyl	106		70 - 130				03/23/23 08:07	03/23/23 08:38	1

Lab Sample ID: LCS 880-49298/2-A

Matrix: Solid

Analysis Batch: 49281

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 49298

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	903.9		mg/Kg		90	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	852.0		mg/Kg		85	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	106		70 - 130						
o-Terphenyl	128		70 - 130						

Lab Sample ID: LCSD 880-49298/3-A

Matrix: Solid

Analysis Batch: 49281

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 49298

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1008		mg/Kg		101	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	1000	1060	*1	mg/Kg		106	70 - 130	22	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

Job ID: 880-26041-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-49298/3-A

Matrix: Solid

Analysis Batch: 49281

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 49298

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	134	S1+	70 - 130
o-Terphenyl	157	S1+	70 - 130

Lab Sample ID: 880-26160-A-23-D MS

Matrix: Solid

Analysis Batch: 49281

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 49298

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1235		mg/Kg		124	70 - 130	
Diesel Range Organics (Over C10-C28)	105	*1	998	1058		mg/Kg		96	70 - 130	
	MS	MS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	17	S1-	70 - 130							
o-Terphenyl	11	S1-	70 - 130							

Lab Sample ID: 880-26160-A-23-E MSD

Matrix: Solid

Analysis Batch: 49281

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 49298

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1019		mg/Kg		102	70 - 130	19	20	
Diesel Range Organics (Over C10-C28)	105	*1	999	1110		mg/Kg		101	70 - 130	5	20	
	MSD	MSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	18	S1-	70 - 130									
o-Terphenyl	12	S1-	70 - 130									

Lab Sample ID: MB 880-49332/1-A

Matrix: Solid

Analysis Batch: 49281

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 49332

	MB	MB									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/23/23 14:12	03/23/23 20:11	1		
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/23/23 14:12	03/23/23 20:11	1		
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/23 14:12	03/23/23 20:11	1		
	MB	MB									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac		
1-Chlorooctane	96		70 - 130				03/23/23 14:12	03/23/23 20:11	1		
o-Terphenyl	109		70 - 130				03/23/23 14:12	03/23/23 20:11	1		

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QC Sample Results

Client: Carmona Resources
Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

Job ID: 880-26041-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-49332/2-A

Matrix: Solid

Analysis Batch: 49281

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 49332

Analyte			Spike	LCS	LCS				%Rec		
			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	961.3		mg/Kg		96	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	922.5		mg/Kg		92	70 - 130		
		LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	116		70 - 130								
o-Terphenyl	136	S1+	70 - 130								

Lab Sample ID: LCSD 880-49332/3-A

Matrix: Solid

Analysis Batch: 49281

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 49332

			Spike	LCSD	LCSD				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	893.0		mg/Kg		89	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	829.8		mg/Kg		83	70 - 130	11	20
			LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	104		70 - 130								
o-Terphenyl	123		70 - 130								

Lab Sample ID: 880-26041-14 MS

Matrix: Solid

Analysis Batch: 49281

Client Sample ID: S-3 (2.0'-3.0')

Prep Type: Total/NA

Prep Batch: 49332

	Sample	Sample	Spike	MS	MS			%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	1160		mg/Kg		114	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1221		mg/Kg		122	70 - 130	
	</									

Lab Sample ID: 880-26041-14 MSD

Matrix: Solid

Analysis Batch: 49281

Client Sample ID: S-3 (2.0'-3.0')

Prep Type: Total/NA

Prep Batch: 49332

	Sample	Sample	Spike	MSD	MSD			%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	958.3		mg/Kg		94	70 - 130	19	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1071		mg/Kg		107	70 - 130	13	20
											</

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QC Sample Results

Client: Carmona Resources
Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

Job ID: 880-26041-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-26041-14 MSD
Matrix: Solid
Analysis Batch: 49281

Client Sample ID: S-3 (2.0'-3.0')
Prep Type: Total/NA
Prep Batch: 49332

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	94		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-49265/1-A
Matrix: Solid
Analysis Batch: 49530

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Chloride	<5.00	U	5.00		mg/Kg			03/26/23 12:02	1	

Lab Sample ID: LCS 880-49265/2-A
Matrix: Solid
Analysis Batch: 49530

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte		Spike	LCS	LCS				%Rec		
		Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride		250	248.5		mg/Kg		99	90 - 110		

Lab Sample ID: LCSD 880-49265/3-A
Matrix: Solid
Analysis Batch: 49530

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

Analyte		Spike	LCSD	LCSD				%Rec		RPD
		Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride		250	247.9		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-26041-8 MS
Matrix: Solid
Analysis Batch: 49530

Client Sample ID: S-2 (1.5'-2.0')
Prep Type: Soluble

Analyte	Sample	Sample	Spike	MS	MS			%Rec		
	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	17.9		250	274.1		mg/Kg		103	90 - 110	

Lab Sample ID: 880-26041-8 MSD
Matrix: Solid
Analysis Batch: 49530

Client Sample ID: S-2 (1.5'-2.0')
Prep Type: Soluble

Analyte	Sample	Sample	Spike	MSD	MSD			%Rec		RPD
	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	Limit
Chloride	17.9		250	271.8		mg/Kg		102	90 - 110	1 20

QC Association Summary

Client: Carmona Resources

Job ID: 880-26041-1

Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

SDG: Lea County, New Mexico

GC VOA

Prep Batch: 49395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-49395/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 49423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26041-1	S-1 (0-0.5')	Total/NA	Solid	5035	
880-26041-2	S-1 (0.5'-1')	Total/NA	Solid	5035	
880-26041-3	S-1 (1.0'-1.5')	Total/NA	Solid	5035	
880-26041-4	S-1 (1.5'-2')	Total/NA	Solid	5035	
880-26041-5	S-2 (0-0.5')	Total/NA	Solid	5035	
880-26041-6	S-2 (0.5'-1')	Total/NA	Solid	5035	
880-26041-7	S-2 (1.0'-1.5')	Total/NA	Solid	5035	
880-26041-8	S-2 (1.5'-2.0')	Total/NA	Solid	5035	
880-26041-9	S-2 (2.0'-3.0')	Total/NA	Solid	5035	
880-26041-10	S-3 (0-0.5')	Total/NA	Solid	5035	
880-26041-11	S-3 (0.5'-1')	Total/NA	Solid	5035	
880-26041-12	S-3 (1.0'-1.5')	Total/NA	Solid	5035	
880-26041-13	S-3 (1.5'-2.0')	Total/NA	Solid	5035	
880-26041-14	S-3 (2.0'-3.0')	Total/NA	Solid	5035	
880-26041-15	H-1 (0-0.5')	Total/NA	Solid	5035	
880-26041-16	H-2 (0-0.5')	Total/NA	Solid	5035	
880-26041-17	H-3 (0-0.5')	Total/NA	Solid	5035	
MB 880-49423/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-49423/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-49423/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-26041-1 MS	S-1 (0-0.5')	Total/NA	Solid	5035	
880-26041-1 MSD	S-1 (0-0.5')	Total/NA	Solid	5035	

Analysis Batch: 49565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26041-1	S-1 (0-0.5')	Total/NA	Solid	8021B	49423
880-26041-2	S-1 (0.5'-1')	Total/NA	Solid	8021B	49423
880-26041-3	S-1 (1.0'-1.5')	Total/NA	Solid	8021B	49423
880-26041-4	S-1 (1.5'-2')	Total/NA	Solid	8021B	49423
880-26041-5	S-2 (0-0.5')	Total/NA	Solid	8021B	49423
880-26041-6	S-2 (0.5'-1')	Total/NA	Solid	8021B	49423
880-26041-7	S-2 (1.0'-1.5')	Total/NA	Solid	8021B	49423
880-26041-8	S-2 (1.5'-2.0')	Total/NA	Solid	8021B	49423
880-26041-9	S-2 (2.0'-3.0')	Total/NA	Solid	8021B	49423
880-26041-10	S-3 (0-0.5')	Total/NA	Solid	8021B	49423
880-26041-11	S-3 (0.5'-1')	Total/NA	Solid	8021B	49423
880-26041-12	S-3 (1.0'-1.5')	Total/NA	Solid	8021B	49423
880-26041-13	S-3 (1.5'-2.0')	Total/NA	Solid	8021B	49423
880-26041-14	S-3 (2.0'-3.0')	Total/NA	Solid	8021B	49423
880-26041-15	H-1 (0-0.5')	Total/NA	Solid	8021B	49423
880-26041-16	H-2 (0-0.5')	Total/NA	Solid	8021B	49423
880-26041-17	H-3 (0-0.5')	Total/NA	Solid	8021B	49423
MB 880-49395/5-A	Method Blank	Total/NA	Solid	8021B	49395
MB 880-49423/5-A	Method Blank	Total/NA	Solid	8021B	49423
LCS 880-49423/1-A	Lab Control Sample	Total/NA	Solid	8021B	49423
LCSD 880-49423/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	49423
880-26041-1 MS	S-1 (0-0.5')	Total/NA	Solid	8021B	49423

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QC Association Summary

Client: Carmona Resources
Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

Job ID: 880-26041-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 49565 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26041-1 MSD	S-1 (0-0.5')	Total/NA	Solid	8021B	49423

Analysis Batch: 49707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26041-1	S-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-26041-2	S-1 (0.5'-1')	Total/NA	Solid	Total BTEX	
880-26041-3	S-1 (1.0'-1.5')	Total/NA	Solid	Total BTEX	
880-26041-4	S-1 (1.5'-2')	Total/NA	Solid	Total BTEX	
880-26041-5	S-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-26041-6	S-2 (0.5'-1')	Total/NA	Solid	Total BTEX	
880-26041-7	S-2 (1.0'-1.5')	Total/NA	Solid	Total BTEX	
880-26041-8	S-2 (1.5'-2.0')	Total/NA	Solid	Total BTEX	
880-26041-9	S-2 (2.0'-3.0')	Total/NA	Solid	Total BTEX	
880-26041-10	S-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-26041-11	S-3 (0.5'-1')	Total/NA	Solid	Total BTEX	
880-26041-12	S-3 (1.0'-1.5')	Total/NA	Solid	Total BTEX	
880-26041-13	S-3 (1.5'-2.0')	Total/NA	Solid	Total BTEX	
880-26041-14	S-3 (2.0'-3.0')	Total/NA	Solid	Total BTEX	
880-26041-15	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-26041-16	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-26041-17	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 49143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26041-1	S-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-26041-2	S-1 (0.5'-1')	Total/NA	Solid	8015NM Prep	
880-26041-3	S-1 (1.0'-1.5')	Total/NA	Solid	8015NM Prep	
880-26041-4	S-1 (1.5'-2')	Total/NA	Solid	8015NM Prep	
880-26041-5	S-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-26041-6	S-2 (0.5'-1')	Total/NA	Solid	8015NM Prep	
880-26041-9	S-2 (2.0'-3.0')	Total/NA	Solid	8015NM Prep	
MB 880-49143/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-49143/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-49143/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-26040-A-11-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-26040-A-11-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 49155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26041-1	S-1 (0-0.5')	Total/NA	Solid	8015B NM	49143
880-26041-2	S-1 (0.5'-1')	Total/NA	Solid	8015B NM	49143
880-26041-3	S-1 (1.0'-1.5')	Total/NA	Solid	8015B NM	49143
880-26041-4	S-1 (1.5'-2')	Total/NA	Solid	8015B NM	49143
880-26041-5	S-2 (0-0.5')	Total/NA	Solid	8015B NM	49143
880-26041-6	S-2 (0.5'-1')	Total/NA	Solid	8015B NM	49143
880-26041-9	S-2 (2.0'-3.0')	Total/NA	Solid	8015B NM	49143
MB 880-49143/1-A	Method Blank	Total/NA	Solid	8015B NM	49143
LCS 880-49143/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	49143
LCSD 880-49143/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	49143

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QC Association Summary

Client: Carmona Resources
 Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

Job ID: 880-26041-1
 SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 49155 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26040-A-11-B MS	Matrix Spike	Total/NA	Solid	8015B NM	49143
880-26040-A-11-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	49143

Analysis Batch: 49281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26041-7	S-2 (1.0'-1.5')	Total/NA	Solid	8015B NM	49298
880-26041-8	S-2 (1.5'-2.0')	Total/NA	Solid	8015B NM	49298
880-26041-10	S-3 (0-0.5')	Total/NA	Solid	8015B NM	49298
880-26041-11	S-3 (0.5'-1')	Total/NA	Solid	8015B NM	49298
880-26041-12	S-3 (1.0'-1.5')	Total/NA	Solid	8015B NM	49298
880-26041-13	S-3 (1.5'-2.0')	Total/NA	Solid	8015B NM	49298
880-26041-14	S-3 (2.0'-3.0')	Total/NA	Solid	8015B NM	49332
880-26041-15	H-1 (0-0.5')	Total/NA	Solid	8015B NM	49332
880-26041-16	H-2 (0-0.5')	Total/NA	Solid	8015B NM	49332
880-26041-17	H-3 (0-0.5')	Total/NA	Solid	8015B NM	49332
MB 880-49298/1-A	Method Blank	Total/NA	Solid	8015B NM	49298
MB 880-49332/1-A	Method Blank	Total/NA	Solid	8015B NM	49332
LCS 880-49298/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	49298
LCS 880-49332/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	49332
LCSD 880-49298/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	49298
LCSD 880-49332/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	49332
880-26041-14 MS	S-3 (2.0'-3.0')	Total/NA	Solid	8015B NM	49332
880-26041-14 MSD	S-3 (2.0'-3.0')	Total/NA	Solid	8015B NM	49332
880-26160-A-23-D MS	Matrix Spike	Total/NA	Solid	8015B NM	49298
880-26160-A-23-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	49298

Prep Batch: 49298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26041-7	S-2 (1.0'-1.5')	Total/NA	Solid	8015NM Prep	
880-26041-8	S-2 (1.5'-2.0')	Total/NA	Solid	8015NM Prep	
880-26041-10	S-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-26041-11	S-3 (0.5'-1')	Total/NA	Solid	8015NM Prep	
880-26041-12	S-3 (1.0'-1.5')	Total/NA	Solid	8015NM Prep	
880-26041-13	S-3 (1.5'-2.0')	Total/NA	Solid	8015NM Prep	
MB 880-49298/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-49298/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-49298/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-26160-A-23-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-26160-A-23-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 49325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26041-1	S-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-26041-2	S-1 (0.5'-1')	Total/NA	Solid	8015 NM	
880-26041-3	S-1 (1.0'-1.5')	Total/NA	Solid	8015 NM	
880-26041-4	S-1 (1.5'-2')	Total/NA	Solid	8015 NM	
880-26041-5	S-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-26041-6	S-2 (0.5'-1')	Total/NA	Solid	8015 NM	
880-26041-7	S-2 (1.0'-1.5')	Total/NA	Solid	8015 NM	
880-26041-8	S-2 (1.5'-2.0')	Total/NA	Solid	8015 NM	
880-26041-9	S-2 (2.0'-3.0')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

Job ID: 880-26041-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 49325 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26041-10	S-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-26041-11	S-3 (0.5'-1')	Total/NA	Solid	8015 NM	
880-26041-12	S-3 (1.0'-1.5')	Total/NA	Solid	8015 NM	
880-26041-13	S-3 (1.5'-2.0')	Total/NA	Solid	8015 NM	
880-26041-14	S-3 (2.0'-3.0')	Total/NA	Solid	8015 NM	
880-26041-15	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-26041-16	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-26041-17	H-3 (0-0.5')	Total/NA	Solid	8015 NM	

Prep Batch: 49332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26041-14	S-3 (2.0'-3.0')	Total/NA	Solid	8015NM Prep	
880-26041-15	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-26041-16	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-26041-17	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-49332/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-49332/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-49332/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-26041-14 MS	S-3 (2.0'-3.0')	Total/NA	Solid	8015NM Prep	
880-26041-14 MSD	S-3 (2.0'-3.0')	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 49265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26041-1	S-1 (0-0.5')	Soluble	Solid	DI Leach	
880-26041-2	S-1 (0.5'-1')	Soluble	Solid	DI Leach	
880-26041-3	S-1 (1.0'-1.5')	Soluble	Solid	DI Leach	
880-26041-4	S-1 (1.5'-2')	Soluble	Solid	DI Leach	
880-26041-5	S-2 (0-0.5')	Soluble	Solid	DI Leach	
880-26041-6	S-2 (0.5'-1')	Soluble	Solid	DI Leach	
880-26041-7	S-2 (1.0'-1.5')	Soluble	Solid	DI Leach	
880-26041-8	S-2 (1.5'-2.0')	Soluble	Solid	DI Leach	
880-26041-9	S-2 (2.0'-3.0')	Soluble	Solid	DI Leach	
880-26041-10	S-3 (0-0.5')	Soluble	Solid	DI Leach	
880-26041-11	S-3 (0.5'-1')	Soluble	Solid	DI Leach	
880-26041-12	S-3 (1.0'-1.5')	Soluble	Solid	DI Leach	
880-26041-13	S-3 (1.5'-2.0')	Soluble	Solid	DI Leach	
880-26041-14	S-3 (2.0'-3.0')	Soluble	Solid	DI Leach	
880-26041-15	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-26041-16	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-26041-17	H-3 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-49265/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-49265/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-49265/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-26041-8 MS	S-2 (1.5'-2.0')	Soluble	Solid	DI Leach	
880-26041-8 MSD	S-2 (1.5'-2.0')	Soluble	Solid	DI Leach	

Analysis Batch: 49530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26041-1	S-1 (0-0.5')	Soluble	Solid	300.0	49265

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QC Association Summary

Client: Carmona Resources

Job ID: 880-26041-1

Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 49530 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26041-2	S-1 (0.5'-1')	Soluble	Solid	300.0	49265
880-26041-3	S-1 (1.0'-1.5')	Soluble	Solid	300.0	49265
880-26041-4	S-1 (1.5'-2')	Soluble	Solid	300.0	49265
880-26041-5	S-2 (0-0.5')	Soluble	Solid	300.0	49265
880-26041-6	S-2 (0.5'-1')	Soluble	Solid	300.0	49265
880-26041-7	S-2 (1.0'-1.5')	Soluble	Solid	300.0	49265
880-26041-8	S-2 (1.5'-2.0')	Soluble	Solid	300.0	49265
880-26041-9	S-2 (2.0'-3.0')	Soluble	Solid	300.0	49265
880-26041-10	S-3 (0-0.5')	Soluble	Solid	300.0	49265
880-26041-11	S-3 (0.5'-1')	Soluble	Solid	300.0	49265
880-26041-12	S-3 (1.0'-1.5')	Soluble	Solid	300.0	49265
880-26041-13	S-3 (1.5'-2.0')	Soluble	Solid	300.0	49265
880-26041-14	S-3 (2.0'-3.0')	Soluble	Solid	300.0	49265
880-26041-15	H-1 (0-0.5')	Soluble	Solid	300.0	49265
880-26041-16	H-2 (0-0.5')	Soluble	Solid	300.0	49265
880-26041-17	H-3 (0-0.5')	Soluble	Solid	300.0	49265
MB 880-49265/1-A	Method Blank	Soluble	Solid	300.0	49265
LCS 880-49265/2-A	Lab Control Sample	Soluble	Solid	300.0	49265
LCSD 880-49265/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	49265
880-26041-8 MS	S-2 (1.5'-2.0')	Soluble	Solid	300.0	49265
880-26041-8 MSD	S-2 (1.5'-2.0')	Soluble	Solid	300.0	49265

Lab Chronicle

Client: Carmona Resources
Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

Job ID: 880-26041-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (0-0.5')**Lab Sample ID: 880-26041-1****Date Collected: 03/15/23 00:00****Matrix: Solid****Date Received: 03/16/23 11:28**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	49423	03/24/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49565	03/27/23 22:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49707	03/28/23 10:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			49325	03/23/23 12:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49143	03/21/23 13:58	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49155	03/22/23 15:30	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	49265	03/22/23 22:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49530	03/26/23 12:39	SMC	EET MID

Client Sample ID: S-1 (0.5'-1')**Lab Sample ID: 880-26041-2****Date Collected: 03/15/23 00:00****Matrix: Solid****Date Received: 03/16/23 11:28**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	49423	03/24/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49565	03/27/23 22:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49707	03/28/23 10:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			49325	03/23/23 12:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	49143	03/21/23 13:58	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49155	03/22/23 15:52	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	49265	03/22/23 22:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49530	03/26/23 12:43	SMC	EET MID

Client Sample ID: S-1 (1.0'-1.5')**Lab Sample ID: 880-26041-3****Date Collected: 03/15/23 00:00****Matrix: Solid****Date Received: 03/16/23 11:28**

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	49423	03/24/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49565	03/27/23 22:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49707	03/28/23 10:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			49325	03/23/23 12:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49143	03/21/23 13:58	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49155	03/22/23 16:14	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	49265	03/22/23 22:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49530	03/26/23 12:57	SMC	EET MID

Client Sample ID: S-1 (1.5'-2')**Lab Sample ID: 880-26041-4****Date Collected: 03/15/23 00:00****Matrix: Solid****Date Received: 03/16/23 11:28**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	49423	03/24/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49565	03/27/23 23:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49707	03/28/23 10:05	SM	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

Job ID: 880-26041-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (1.5'-2')

Lab Sample ID: 880-26041-4

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

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			49325	03/23/23 12:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49143	03/21/23 13:58	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49155	03/22/23 16:36	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	49265	03/22/23 22:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49530	03/26/23 13:01	SMC	EET MID

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

Lab Sample ID: 880-26041-5

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

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	49423	03/24/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49565	03/27/23 23:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49707	03/28/23 10:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			49325	03/23/23 12:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49143	03/21/23 13:58	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49155	03/22/23 16:57	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	49265	03/22/23 22:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49530	03/26/23 13:06	SMC	EET MID

Client Sample ID: S-2 (0.5'-1')

Lab Sample ID: 880-26041-6

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	49423	03/24/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49565	03/27/23 23:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49707	03/28/23 10:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			49325	03/23/23 12:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49143	03/21/23 13:58	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49155	03/22/23 17:19	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	49265	03/22/23 22:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49530	03/26/23 13:11	SMC	EET MID

Client Sample ID: S-2 (1.0'-1.5')

Lab Sample ID: 880-26041-7

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	49423	03/24/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49565	03/28/23 00:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49707	03/28/23 10:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			49325	03/24/23 13:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49298	03/23/23 10:07	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49281	03/23/23 13:45	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

Job ID: 880-26041-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (1.0'-1.5')

Lab Sample ID: 880-26041-7

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	49265	03/22/23 22:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49530	03/26/23 13:15	SMC	EET MID

Client Sample ID: S-2 (1.5'-2.0')

Lab Sample ID: 880-26041-8

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

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	49423	03/24/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49565	03/28/23 00:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49707	03/28/23 10:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			49325	03/24/23 13:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49298	03/23/23 10:07	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49281	03/23/23 14:07	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	49265	03/22/23 22:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49530	03/26/23 13:20	SMC	EET MID

Client Sample ID: S-2 (2.0'-3.0')

Lab Sample ID: 880-26041-9

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	49423	03/24/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49565	03/28/23 00:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49707	03/28/23 10:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			49325	03/23/23 12:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	49143	03/21/23 13:58	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49155	03/22/23 17:41	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	49265	03/22/23 22:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49530	03/26/23 13:33	SMC	EET MID

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

Lab Sample ID: 880-26041-10

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	49423	03/24/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49565	03/28/23 01:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49707	03/28/23 10:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			49325	03/24/23 13:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	49298	03/23/23 10:07	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49281	03/23/23 14:28	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	49265	03/22/23 22:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49530	03/26/23 13:38	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

Job ID: 880-26041-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (0.5'-1')**Lab Sample ID: 880-26041-11****Date Collected: 03/15/23 00:00****Matrix: Solid****Date Received: 03/16/23 11:28**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	49423	03/24/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49565	03/28/23 02:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49707	03/28/23 10:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			49325	03/24/23 13:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49298	03/23/23 10:07	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49281	03/23/23 14:50	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	49265	03/22/23 22:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49530	03/26/23 13:51	SMC	EET MID

Client Sample ID: S-3 (1.0'-1.5')**Lab Sample ID: 880-26041-12****Date Collected: 03/15/23 00:00****Matrix: Solid****Date Received: 03/16/23 11:28**

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	49423	03/24/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49565	03/28/23 02:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49707	03/28/23 10:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			49325	03/24/23 13:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49298	03/23/23 10:07	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49281	03/23/23 15:11	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	49265	03/22/23 22:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49530	03/26/23 13:56	SMC	EET MID

Client Sample ID: S-3 (1.5'-2.0')**Lab Sample ID: 880-26041-13****Date Collected: 03/15/23 00:00****Matrix: Solid****Date Received: 03/16/23 11:28**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	49423	03/24/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49565	03/28/23 03:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49707	03/28/23 10:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			49325	03/24/23 13:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49298	03/23/23 10:07	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49281	03/23/23 15:33	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	49265	03/22/23 22:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49530	03/26/23 14:01	SMC	EET MID

Client Sample ID: S-3 (2.0'-3.0')**Lab Sample ID: 880-26041-14****Date Collected: 03/15/23 00:00****Matrix: Solid****Date Received: 03/16/23 11:28**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	49423	03/24/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49565	03/28/23 03:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49707	03/28/23 10:05	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

Job ID: 880-26041-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (2.0'-3.0')

Lab Sample ID: 880-26041-14

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

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			49325	03/24/23 13:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49332	03/23/23 14:12	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49281	03/23/23 21:16	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	49265	03/22/23 22:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49530	03/26/23 14:05	SMC	EET MID

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

Lab Sample ID: 880-26041-15

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

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	49423	03/24/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49565	03/28/23 04:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49707	03/28/23 10:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			49325	03/24/23 13:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49332	03/23/23 14:12	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49281	03/23/23 22:21	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	49265	03/22/23 22:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49530	03/26/23 14:10	SMC	EET MID

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

Lab Sample ID: 880-26041-16

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

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	49423	03/24/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49565	03/28/23 04:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49707	03/28/23 10:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			49325	03/24/23 13:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49332	03/23/23 14:12	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49281	03/23/23 22:42	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	49265	03/22/23 22:12	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49530	03/26/23 14:14	SMC	EET MID

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

Lab Sample ID: 880-26041-17

Date Collected: 03/15/23 00:00

Matrix: Solid

Date Received: 03/16/23 11:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	49423	03/24/23 13:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49565	03/28/23 04:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49707	03/28/23 10:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			49325	03/24/23 13:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	49332	03/23/23 14:12	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49281	03/23/23 23:04	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

Job ID: 880-26041-1
SDG: Lea County, New Mexico

Client Sample ID: H-3 (0-0.5')
Date Collected: 03/15/23 00:00
Date Received: 03/16/23 11:28

Lab Sample ID: 880-26041-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	49265	03/22/23 22:12	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	49530	03/26/23 14:19	SMC	EET MID

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

Job ID: 880-26041-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

Job ID: 880-26041-1
SDG: Lea County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Triste Draw 30 Federal #001 (05.05.2014)

Job ID: 880-26041-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-26041-1	S-1 (0-0.5')	Solid	03/15/23 00:00	03/16/23 11:28
880-26041-2	S-1 (0.5'-1')	Solid	03/15/23 00:00	03/16/23 11:28
880-26041-3	S-1 (1.0'-1.5')	Solid	03/15/23 00:00	03/16/23 11:28
880-26041-4	S-1 (1.5'-2')	Solid	03/15/23 00:00	03/16/23 11:28
880-26041-5	S-2 (0-0.5')	Solid	03/15/23 00:00	03/16/23 11:28
880-26041-6	S-2 (0.5'-1')	Solid	03/15/23 00:00	03/16/23 11:28
880-26041-7	S-2 (1.0'-1.5')	Solid	03/15/23 00:00	03/16/23 11:28
880-26041-8	S-2 (1.5'-2.0')	Solid	03/15/23 00:00	03/16/23 11:28
880-26041-9	S-2 (2.0'-3.0')	Solid	03/15/23 00:00	03/16/23 11:28
880-26041-10	S-3 (0-0.5')	Solid	03/15/23 00:00	03/16/23 11:28
880-26041-11	S-3 (0.5'-1')	Solid	03/15/23 00:00	03/16/23 11:28
880-26041-12	S-3 (1.0'-1.5')	Solid	03/15/23 00:00	03/16/23 11:28
880-26041-13	S-3 (1.5'-2.0')	Solid	03/15/23 00:00	03/16/23 11:28
880-26041-14	S-3 (2.0'-3.0')	Solid	03/15/23 00:00	03/16/23 11:28
880-26041-15	H-1 (0-0.5')	Solid	03/15/23 00:00	03/16/23 11:28
880-26041-16	H-2 (0-0.5')	Solid	03/15/23 00:00	03/16/23 11:28
880-26041-17	H-3 (0-0.5')	Solid	03/15/23 00:00	03/16/23 11:28

Work Order No: 26041

Page 1 of 2

Project Manager: Ashton Thielke		Bill to: (if different)		Laci Luig	
Company Name: Carmona Resources		Company Name:		Cimarex Energy	
Address: 310 W Wall St Ste 415		Address:		600 N Marienfield St, Suite 600	
City, State ZIP: Midland, TX 79701		City, State ZIP:		Midland, TX 79701	
Phone: 432-813-8988		Email: laci.luig@coterra.com		ashton.thielke@coterra.com	

Project Name: Triste Draw 30 Federal #001 (05 05 2014)		Turn Around		Pres. Code	
Project Number: 1243		☒ Routine ☐ Rush			
Project Location: Lea County, New Mexico		Due Date			
Sampler's Name: GPJ		Normal			

PO #:		Temp Blank:		Yes No		Wet Ice:		Yes No	
Received Intact:		Yes No		N/A		Thermometer ID:		-30	
Cooler Custody Seals:		Yes No		N/A		Correction Factor:		4.2	
Sample Custody Seals:		Yes No		N/A		Temperature Reading:			
Total Containers:						Corrected Temperature:			

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont
S-1 (0-0.5')	3/15/2023		X		G	1
S-1 (0.5'-1')	3/15/2023		X		G	1
S-1 (1.0'-1.5')	3/15/2023		X		G	1
S-1 (1.5'-2')	3/15/2023		X		G	1
S-2 (0-0.5')	3/15/2023		X		G	1
S-2 (0.5'-1')	3/15/2023		X		G	1
S-2 (1.0'-1.5')	3/15/2023		X		G	1
S-2 (1.5'-2.0')	3/15/2023		X		G	1
S-2 (2.0'-3.0')	3/15/2023		X		G	1
S-3 (0-0.5')	3/15/2023		X		G	1

ANALYSIS REQUEST		Preservative Codes	
BTX 8021B	TPH 8015M (GRO + DRO + MRO)	None NO	DI Water H ₂ O
Chloride 300.0		Cool Cool	MeOH Me
		HCL HC	HNO ₃ HN
		H ₂ SO ₄ H ₂	NaOH Na
		H ₃ PO ₄ HP	
		NaHSO ₄ NABIS	
		Na ₂ S ₂ O ₃ NaSO ₃	
		Zn Acetate+NaOH Zn	
		NaOH+Ascorbic Acid SAPC	
		Sample Comments: 202	



880-26041 Chain of Custody

Comments:

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time

Work Order No: 26041

Page 2 of 2

Work Order Comments	
Program: ☐ PST ☐ PRP ☐ Rowfields ☐ RRC ☐ Jperfund	
State of Project:	
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables EDD ☐ ADaPT ☐ Other	

Project Manager	Ashton Thielke	Bill to (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cimatex Energy
Address:	310 W Wall St Ste 415	Address:	600 N Marientfield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email	laci.luig@coterra.com ashton.thielke@coterra.com

Project Name:		Triste Draw 30 Federal #001 (05 05 2014)		Turn Around		Pres. Code		ANALYSIS REQUEST												Preservative Codes							
Project Number:	1243	Lea County, New Mexico		GPJ		GPJ		Chloride 300.0												None: NO							
Project Location	Lea County, New Mexico	GPJ		GPJ		GPJ		TPH 8015M (GRO + DRO + MRO)												Cool Cool							
Sampler's Name:	GPJ	GPJ		GPJ		GPJ		BTX 8021B												HCL HC							
PO #		GPJ		GPJ		GPJ														H ₂ SO ₄ H ₂							
SAMPLE RECEIPT		Temp Blank.		Yes No		Wet Ice:		Yes No														H ₃ PO ₄ HP					
Received Intact		Yes No		Thermometer ID		Correction Factor																NaHSO ₄ NABIS					
Cooler Custody Seals		Yes No		N/A		Temperature Reading																Na ₂ S ₂ O ₃ NaSO ₃					
Sample Custody Seals		Yes No		N/A		Corrected Temperature:																Zn Acetate+NaOH Zn					
Total Containers																						NaOH+Ascorbic Acid SAPC					
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments	
S-3 (0.5'-1')		3/15/2023				X				G		1														Loc: 880	
S-3 (1 0'-1.5')		3/15/2023				X				G		1														26041	
S-3 (1 5'-2.0')		3/15/2023				X				G		1															
S-3 (2 0-3 0')		3/15/2023				X				G		1															
H-1 (0-0.5')		3/15/2023				X				G		1															
H-2 (0-0 5')		3/15/2023				X				G		1															
H-3 (0-0 5')		3/15/2023				X				G		1															

Comments:

Relinquished by: (Signature)	3-16-23	Date/Time	Received by: (Signature)	Date/Time
<i>Carmona Resources</i>			<i>[Signature]</i>	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-26041-1
SDG Number: Lea County, New Mexico

Login Number: 26041

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	



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

April 11, 2023

ASHTON THIELKE

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: TRISTE DRAW 30 FEDERAL #001 (05.05.2014)

Enclosed are the results of analyses for samples received by the laboratory on 04/05/23 13:30.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	04/05/2023	Sampling Date:	04/05/2023
Reported:	04/11/2023	Sampling Type:	Soil
Project Name:	TRISTE DRAW 30 FEDERAL #001 (05.05	Sampling Condition:	Cool & Intact
Project Number:	1243	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: S - 1 (2'-3') (H231586-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2023	ND	2.01	100	2.00	1.07	
Toluene*	<0.050	0.050	04/06/2023	ND	2.03	102	2.00	0.903	
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.06	103	2.00	0.958	
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.28	105	6.00	0.272	
Total BTX	<0.300	0.300	04/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1200	16.0	04/06/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	189	94.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	04/06/2023	ND	183	91.5	200	1.59	
EXT DRO >C28-C36	<10.0	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	04/05/2023	Sampling Date:	04/05/2023
Reported:	04/11/2023	Sampling Type:	Soil
Project Name:	TRISTE DRAW 30 FEDERAL #001 (05.05	Sampling Condition:	Cool & Intact
Project Number:	1243	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: S - 1 (3'-4') (H231586-02)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/06/2023	ND	2.01	100	2.00	1.07		
Toluene*	<0.050	0.050	04/06/2023	ND	2.03	102	2.00	0.903		
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.06	103	2.00	0.958		
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.28	105	6.00	0.272		
Total BTX	<0.300	0.300	04/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	960	16.0	04/06/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	189	94.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	04/06/2023	ND	183	91.5	200	1.59	
EXT DRO >C28-C36	<10.0	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 98.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	04/05/2023	Sampling Date:	04/05/2023
Reported:	04/11/2023	Sampling Type:	Soil
Project Name:	TRISTE DRAW 30 FEDERAL #001 (05.05	Sampling Condition:	Cool & Intact
Project Number:	1243	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: S - 1 (4'-5') (H231586-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/06/2023	ND	2.01	100	2.00	1.07		
Toluene*	<0.050	0.050	04/06/2023	ND	2.03	102	2.00	0.903		
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.06	103	2.00	0.958		
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.28	105	6.00	0.272		
Total BTEx	<0.300	0.300	04/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	04/06/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	189	94.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	04/06/2023	ND	183	91.5	200	1.59	
EXT DRO >C28-C36	<10.0	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	04/05/2023	Sampling Date:	04/05/2023
Reported:	04/11/2023	Sampling Type:	Soil
Project Name:	TRISTE DRAW 30 FEDERAL #001 (05.05	Sampling Condition:	Cool & Intact
Project Number:	1243	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: H - 1 (0.5'-1.0') (H231586-04)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2023	ND	2.01	100	2.00	1.07	
Toluene*	<0.050	0.050	04/06/2023	ND	2.03	102	2.00	0.903	
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.06	103	2.00	0.958	
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.28	105	6.00	0.272	
Total BTX	<0.300	0.300	04/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/06/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	189	94.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	04/06/2023	ND	183	91.5	200	1.59	
EXT DRO >C28-C36	<10.0	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	04/05/2023	Sampling Date:	04/05/2023
Reported:	04/11/2023	Sampling Type:	Soil
Project Name:	TRISTE DRAW 30 FEDERAL #001 (05.05	Sampling Condition:	Cool & Intact
Project Number:	1243	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: H - 1 (1.0'-1.5') (H231586-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2023	ND	2.01	100	2.00	1.07	
Toluene*	<0.050	0.050	04/06/2023	ND	2.03	102	2.00	0.903	
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.06	103	2.00	0.958	
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.28	105	6.00	0.272	
Total BTEx	<0.300	0.300	04/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/06/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	166	83.0	200	1.68	
DRO >C10-C28*	<10.0	10.0	04/06/2023	ND	189	94.7	200	0.477	
EXT DRO >C28-C36	<10.0	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	04/05/2023	Sampling Date:	04/05/2023
Reported:	04/11/2023	Sampling Type:	Soil
Project Name:	TRISTE DRAW 30 FEDERAL #001 (05.05	Sampling Condition:	Cool & Intact
Project Number:	1243	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: H - 2 (0.5'-1.0') (H231586-06)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2023	ND	2.01	100	2.00	1.07	
Toluene*	<0.050	0.050	04/06/2023	ND	2.03	102	2.00	0.903	
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.06	103	2.00	0.958	
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.28	105	6.00	0.272	
Total BTEx	<0.300	0.300	04/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/06/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	166	83.0	200	1.68	
DRO >C10-C28*	<10.0	10.0	04/06/2023	ND	189	94.7	200	0.477	
EXT DRO >C28-C36	<10.0	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	04/05/2023	Sampling Date:	04/05/2023
Reported:	04/11/2023	Sampling Type:	Soil
Project Name:	TRISTE DRAW 30 FEDERAL #001 (05.05	Sampling Condition:	Cool & Intact
Project Number:	1243	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: H - 2 (1.0'-1.5') (H231586-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/06/2023	ND	2.01	100	2.00	1.07		
Toluene*	<0.050	0.050	04/06/2023	ND	2.03	102	2.00	0.903		
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.06	103	2.00	0.958		
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.28	105	6.00	0.272		
Total BTEX	<0.300	0.300	04/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/06/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	166	83.0	200	1.68	
DRO >C10-C28*	<10.0	10.0	04/06/2023	ND	189	94.7	200	0.477	
EXT DRO >C28-C36	<10.0	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	04/05/2023	Sampling Date:	04/05/2023
Reported:	04/11/2023	Sampling Type:	Soil
Project Name:	TRISTE DRAW 30 FEDERAL #001 (05.05	Sampling Condition:	Cool & Intact
Project Number:	1243	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: H - 4 (0-0.5') (H231586-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2023	ND	2.01	100	2.00	1.07	
Toluene*	<0.050	0.050	04/06/2023	ND	2.03	102	2.00	0.903	
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.06	103	2.00	0.958	
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.28	105	6.00	0.272	
Total BTEx	<0.300	0.300	04/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/06/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	166	83.0	200	1.68	
DRO >C10-C28*	<10.0	10.0	04/06/2023	ND	189	94.7	200	0.477	
EXT DRO >C28-C36	<10.0	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 78.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 ASHTON THIELKE
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	04/05/2023	Sampling Date:	04/05/2023
Reported:	04/11/2023	Sampling Type:	Soil
Project Name:	TRISTE DRAW 30 FEDERAL #001 (05.05	Sampling Condition:	Cool & Intact
Project Number:	1243	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - LEA COUNTY, NEW MEXICO		

Sample ID: H - 5 (0-0.5') (H231586-09)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/06/2023	ND	2.01	100	2.00	1.07		
Toluene*	<0.050	0.050	04/06/2023	ND	2.03	102	2.00	0.903		
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.06	103	2.00	0.958		
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.28	105	6.00	0.272		
Total BTX	<0.300	0.300	04/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/06/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	166	83.0	200	1.68	
DRO >C10-C28*	<10.0	10.0	04/06/2023	ND	189	94.7	200	0.477	
EXT DRO >C28-C36	<10.0	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 79.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H231586Page 1 of 1

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Project Manager:	Ashion Thielke	Bill to: (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 W Wall St Ste 415	Address:	600 N Marientfield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-8988	Email:	laci.luig@coterra.com ashion.thielke@coterra.com

Project Name:	Triste Draw 30 Federal #001 (05.05.2014)	Turn Around	☒ Routine ☐ Rush	Pres. Code	
Project Number:	1243	Due Date:	Normal		
Project Location:	Lea County, New Mexico				
Sampler's Name:	GPJ				
PO #:		Wet Ice:	Yes ☒ No ☐		

SAMPLE RECEIPT		Temp Blank:	Yes ☒ No ☐	Thermometer ID:	113
Received Intact:	Yes ☒ No ☐	Correction Factor:	N/A		
Cooler Custody Seals:	Yes ☒ No ☐	Temperature Reading:	-0.16°C		
Sample Custody Seals:	Yes ☒ No ☐	Corrected Temperature:	4.82°C		
Total Containers:					

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST												Preservative Codes	
S-1 (2'-3')	4/5/2023		X		G	1	X	X	X	X								None: NC	DI Water: H ₂ O	
S-1 (3'-4')	4/5/2023		X		G	1	X	X	X	X								Cool: Cool	MeOH: Me	
S-1 (4'-5')	4/5/2023		X		G	1	X	X	X	X								HCL: HC	HNO ₃ : HN	
H-1 (0.5'-1.0')	4/5/2023		X		G	1	X	X	X	X								H ₂ SO ₄ : H ₂	NaOH: Na	
H-1 (1.0'-1.5')	4/5/2023		X		G	1	X	X	X	X								H ₃ PO ₄ : HP		
H-2 (0.5'-1.0')	4/5/2023		X		G	1	X	X	X	X								NaHSO ₄ : NABIS		
H-2 (1.0'-1.5')	4/5/2023		X		G	1	X	X	X	X								Na ₂ S ₂ O ₃ : NaSO ₃		
H-4 (0-0.5')	4/5/2023		X		G	1	X	X	X	X								Zn Acetate+NaOH: Zn		
H-5 (0-0.5')	4/5/2023		X		G	1	X	X	X	X								NaOH+Ascorbic Acid: SAPC		

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	4-5-23 1330		

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 212332

CONDITIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 212332
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	None	5/8/2023