CARMONA RESOURCES

SITE INFORMATION

Closure Report
Bradley 14 Federal #1
Incident ID: nHMP1407326842
Eddy County, New Mexico
Unit E Sec 14 T24S R26E
32.22036°, -104.26897°

Crude Oil Release
Point of Release: A hole developed in the bottom of oil tank #1
Release Date: 03/08/2014
Volume Released: 16 Barrels of Crude Oil
Volume Recovered: 8 Barrels of Crude Oil

CARMONA RESOURCES

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

Prepared by:
Carmona Resources, LLC
310 West Wall Street
Suite 415
Midland, Texas 79701

310 West Wall Street, Suite 415
Midland TX, 79701
432.813.1992

CARMONA RESOURCES

TABLE OF CONTENTS

310 West Wall Street, Suite 415
Midland TX, 79701
432.813.1992

CARMONA RESOURCES

October 6, 2022

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

Re: Closure Report
Bradley 14 Federal #1
Cimarex Energy Co. of Colorado
Site Location: Unit E, S14, T24S, R26E
(Lat 32.22036º, Long -104.26897°)
Eddy County, New Mexico

To whom it may concern:

On behalf of Cimarex Energy Co. of Colorado (Cimarex), Carmona Resources, LLC has prepared this letter to document site activities for Bradley 14 Federal #1. The site is located at 32.22036º, -104.26897º within Unit E, S14, T24S, R26E, in Eddy 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 March 8, 2014, due to a hole that developed in the bottom of oil tank #1. It resulted in approximately sixteen (16) barrels of crude oil, and eight (8) barrels of crude oil were recovered. The release was contained inside the plastic lined gravel containment and is shown on Figure 3. The facility has since been plugged. The entire well pad has been reclaimed and evidence of revegetation is shown in Appendix B. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a medium 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 well is located approximately 0.40 miles Northeast of the site in S14, T24S, R26E and was drilled in 2012. The well has a reported depth to groundwater of 60’ feet below ground surface (ft bgs). A copy of the summary report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

310 West Wall Street, Suite 415
Midland TX, 79701
432.813.1992

CARMONA RESOURCES

- Chloride: 600 mg/kg

4.0 Site Assessment Activities

On September 28, 2022, Carmona Resources was on-site to evaluate the area of the previously existing tank battery in attempts to determine if the release went through the lined containment. A total of six (6) sample points (S-1 through S-6) and four (4) horizontal sample points (H-1 through H-4) were installed to total depths ranging from surface to 1 ft below the surface. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain of custody protocol to Eurofins in Midland, Texas. The samples were analyzed for TPH by EPA method 8015 modified BTEX by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports containing analytical methods, results, and chain-of-custody documents are attached in Appendix E. See Figure 3 for the sample locations.

The analytical results are provided in Table 1.

5.0 Conclusion

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

Sincerely,
Carmona Resources, LLC

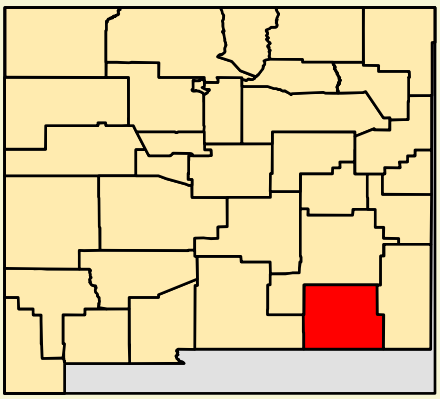
Mike Carmona
Environmental Manager

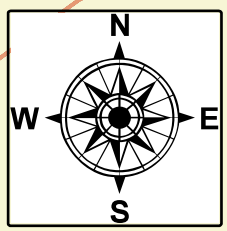
Ashton Thielke
Sr. Project Manager

310 West Wall Street, Suite 415
Midland TX, 79701
432.813.1992

FIGURES

CARMONA RESOURCES





285
524
180
Carlsbad
180
285
720
180
285
180
285
lsbad
verns
nal Park

0 2.5 5 10
Miles

Legend
Site Location

OVERVIEW MAP
CIMAREX ENERGY CO.
BRADLEY 14 FEDERAL 1
EDDY COUNTY, NEW MEXICO
32.220367, -104.269012

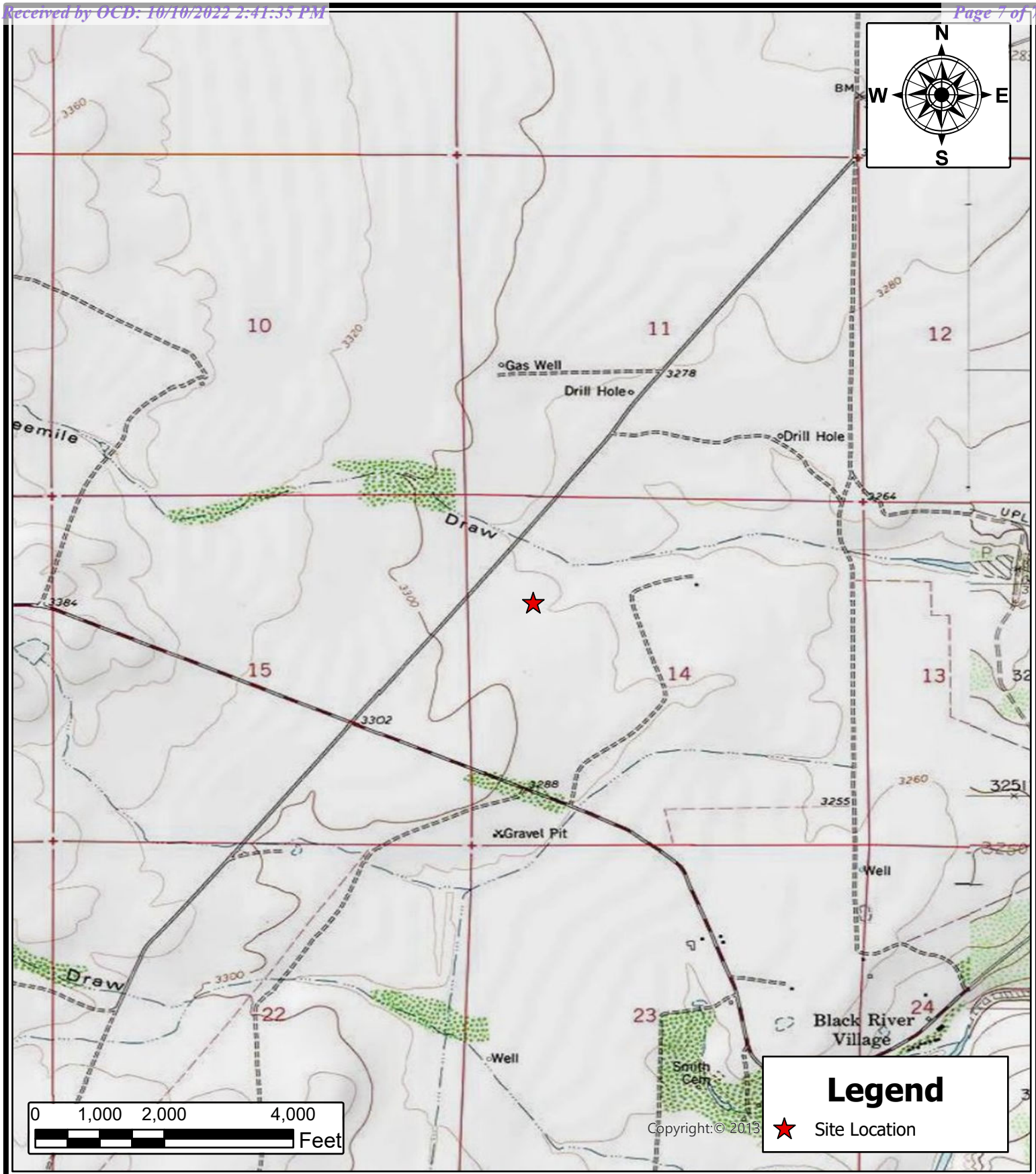
SCALE: As Shown | Date: 9/29/2022

CARMONA RESOURCES

Carmona Resources
310 West Wall Street, Suite 415
Midland, Texas 79701

NOTES:
1. Base Image: ESRI Maps & Data 2022
2. Map Projection: WGS84

DRAWING NUMBER:
FIGURE 1
SHEET NUMBER:
1 of 1



TOPOGRAPHIC MAP
CIMAREX ENERGY CO.
BRADLEY 14 FEDERAL 1
EDDY COUNTY, NEW MEXICO
32.220367, -104.269012

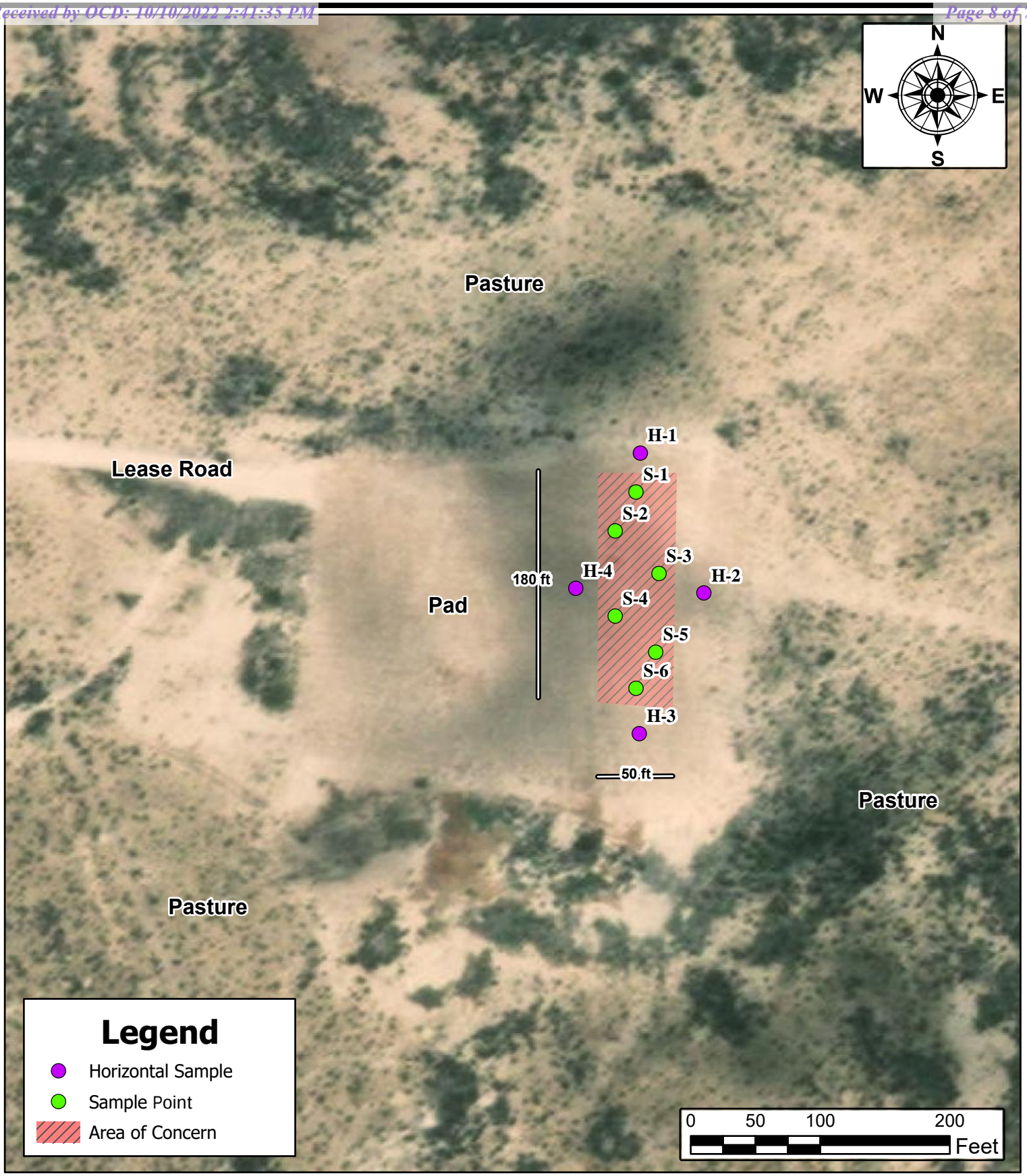
SCALE: As Shown | Date: 9/29/2022

CARMONA RESOURCES

Carmona Resources
310 West Wall Street, Suite 415
Midland, Texas 79701

NOTES:
1. Base Image: ESRI Maps & Data 2022
2. Map Projection: WGS84

DRAWING NUMBER:
FIGURE 2
SHEET NUMBER:
1 of 1



SAMPLE LOCATION MAP
CIMAREX ENERGY CO.
BRADLEY 14 FEDERAL 1
EDDY COUNTY, NEW MEXICO
32.220367, -104.269012

SCALE: As Shown | Date: 9/29/2022

CARMONA RESOURCES

Carmona Resources
310 West Wall Street, Suite 415
Midland, Texas 79701

NOTES:
1. Base Image: ESRI Maps & Data 2022
2. Map Projection: WGS84

DRAWING NUMBER:
FIGURE 3
SHEET NUMBER:
1 of 1

APPENDIX A

CARMONA RESOURCES

Table 1
Cimarex
Bradley 14 Federal #1
Eddy County, New Mexico

Sample ID	Date	Depth (in)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	9/28/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	16.6
	"	0.5-1	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	18.0
S-2	9/28/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	22.9
	"	0.5-1	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	22.4
S-3	9/28/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	16.2
	"	0.5-1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	17.9
S-4	9/28/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	20.0
	"	0.5-1	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	17.6
S-5	9/28/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	18.3
	"	0.5-1	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	19.1
S-6	9/28/2022	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	22.3
	"	0.5-1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	17.4
H-1	9/28/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	22.3
H-2	9/28/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	17.0
H-3	9/28/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	17.3
H-4	9/28/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	31.8
Regulatory Criteria [A]						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

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

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Cimarex

Photograph No. 1

Facility: Bradley 14 Federal 1

County: Eddy County, New Mexico

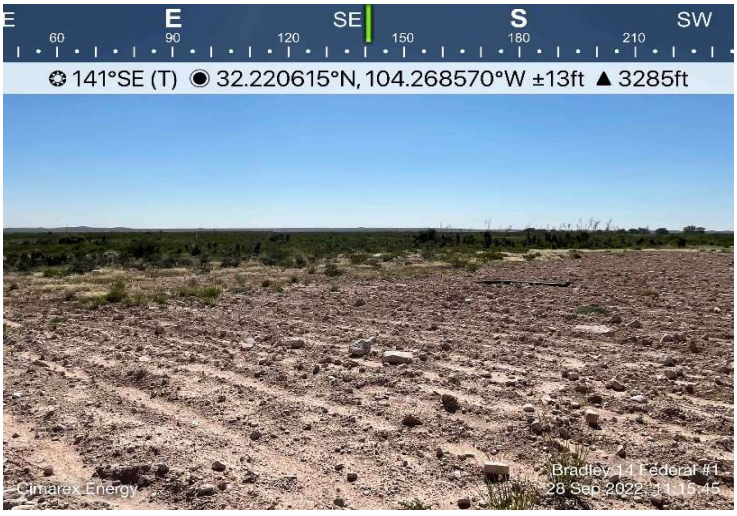
Description:
View Southeast, historical marker.

Photograph No. 2

Facility: Bradley 14 Federal 1

County: Eddy County, New Mexico

Description:
View Southeast, area of previous tank battery.

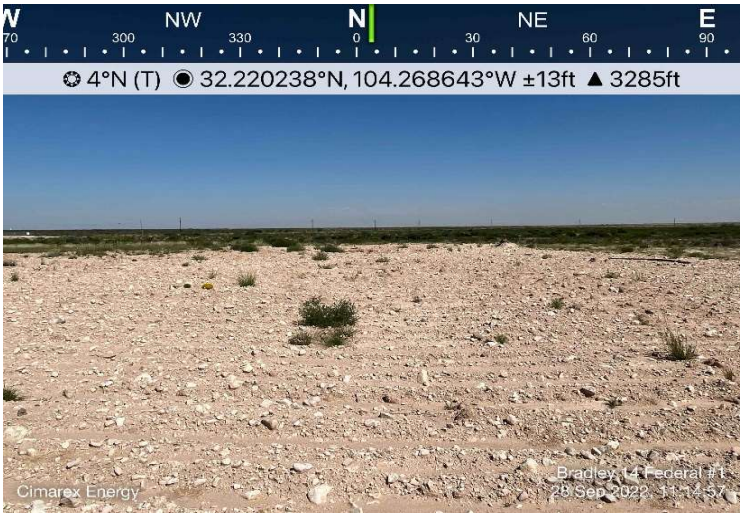


Photograph No. 3

Facility: Bradley 14 Federal 1

County: Eddy County, New Mexico

Description:
View North, area of previous tank battery.



PHOTOGRAPHIC LOG

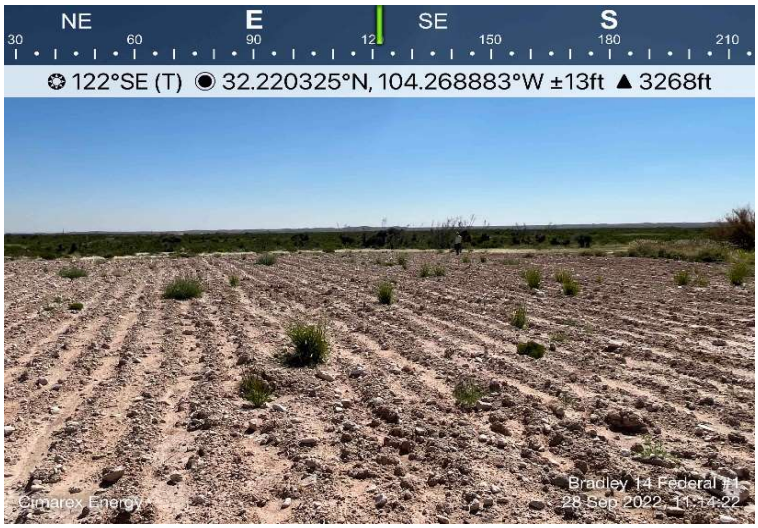
Cimarex

Photograph No. 4

Facility: Bradley 14 Federal 1

County: Eddy County, New Mexico

Description:
View Southeast, area of previous tank battery.



Photograph No. 5

Facility: Bradley 14 Federal 1

County: Eddy County, New Mexico

Description:
View South, area of previous tank battery.

Photograph No. 6

Facility: Bradley 14 Federal 1

County: Eddy County, New Mexico

Description:
View East, area of previous tank battery.

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

RECEIVED
MAR 10 2014
NMOCD Artesia

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

nltmp1407326842

OPERATOR

X Initial Report ☐ Final Report

Name of Company: Cimarex Energy Company 162683	Contact: Johnny Titsworth
Address: 600 N. Marienfield, Suite 600, Midland, TX 79701	Telephone No. (432)250-2059
Facility Name: Bradley 14 Federal #1	Facility Type: Tank Battery

Surface Owner: Federal	Mineral Owner:	API No: 30-015-32672

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	14	24S	26E	1650	FNL	990	FWL	Eddy

Latitude: 32.22036 Longitude: -104.26897

NATURE OF RELEASE

Type of Release: Crude	Volume of Release: 16BBL	Volume Recovered: 8BBL
Source of Release: Oil Tank	Date & Hour of Occurrence: 3/8/14	Date & Hour of Discovery: 3/8/14 11:30 am
Was Immediate Notice Given? X Yes ☐ No ☐ Not Required	If YES, To Whom? Max Pfaff	
By Whom? Ronald Frederick	Date and Hour: 3/8/14 11:30 am	
Was a Watercourse Reached? ☐ Yes X No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
A hole developed in the bottom of oil tank #1, vac truck was called out to recover lost product.

Describe Area Affected and Cleanup Action Taken.*
100'x12' plastic lined gravel berm. Impacted soil and gravel will be removed and hauled to disposal.

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.

Signature:

Printed Name: Johnny Titsworth

Title: Environmental Compliance Coordinator

E-mail Address: jtitsworth@cimarex.com

Date: 3/10/14 Phone: (432)-250-2059

OIL CONSERVATION DIVISION

Approved by Environmental Specialist:

Approval Date: 3-14-14 Expiration Date: NA

Conditions of Approval:
remediation per OCD Rule & Guidelines, & like approval by BLM. SUBMIT REMEDIATION PROPOSAL NO LATER THAN: 4-14-14

Attached ☐

2RP 2212

* Attach Additional Sheets If Necessary

Bratcher, Mike, EMNRD

From: Johnny Titsworth <jtitsworth@cimarex.com>
Sent: Monday, March 10, 2014 9:35 AM
To: 'jvancure@blm.gov'; Bratcher, Mike, EMNRD
Cc: Christine Alderman; Gloria Garza
Subject: Bradley 14 Fed #1
Attachments: Bradley 14 fed 1.pdf

Mike/Jennifer
We had a release at the Bradley 14 Federal #1 on Saturday afternoon. The spill was contained inside a lined facility, and we will remove the impacted material. Let me know if there is anything else you need. Thanks

Johnny Titsworth
EHS - Environmental Compliance
600 N. Marienfeld St., Suite 600
Midland, TX 79701
Mobile: 432-250-2059
Office: 432-620-1983

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	nHMP1407326842
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Cimarex Energy Co. of Colorado	OGRID: 162683
Contact Name: Laci Luig	Contact Telephone: (432) 571-7800
Contact email: laci.luig@coterra.com	Incident # *(assigned by OCD)* nHMP1407326842
Contact mailing address: 600 N Marienfeld Street, Ste. 600 Midland, TX 79701	

Location of Release Source

Latitude 32.22036 Longitude -104.26897

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Bradley 14 Federal #1	Site Type: Tank Battery
Date Release Discovered: 03/08/2014	API# *(if applicable):* 30-015-32672 (Presently Plugged)

Unit Letter	Section	Township	Range	County
E	14	24S	26E	Eddy

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

Nature and Volume of Release

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

☒ Crude Oil	Volume Released (bbls) 16	Volume Recovered (bbls) 8
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Equipment Failure
A hole developed in the bottom of oil tank #1, vac truck was called out to recover lost product. 100'x12' plastic lined gravel berm.

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Page 2

State of New Mexico
Oil Conservation Division

Incident ID	nHMP1407326842
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? By: Johnny Titsworth & Ronald Frederick To: Max Pfaff, Mike Bratcher By: Email	

Initial Response

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

☒ The source of the release has been stopped.

☒ The impacted area has been secured to protect human health and the environment.

☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

☒ All free liquids and recoverable materials have been removed and managed appropriately.

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

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

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

Printed Name: Laci Luig Title: ESH Specialist

Signature: Laci Luig Date: 10/06/2022

email: laci.luig@coterra.com Telephone: (432) 208-3035

OCD Only

Received by: Date:

State of New Mexico
Oil Conservation Division

Incident ID	nHMP1407326842
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?	60’ (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nHMP1407326842
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: Laci Luig Title: ESH Specialist

Signature: Laci Luig Date: 10/06/2022

email: laci.luig@coterra.com Telephone: (432) 208-3035

OCD Only

Received by: Jocelyn Harimon Date: 10/10/2022

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nHMP1407326842
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: Laci Luig Title: ESH Specialist

Signature: Laci Luig Date: 10/06/2022

email: laci.luig@coterra.com Telephone: (432) 208-3035

OCD Only

Received by: Jocelyn Harimon Date: 10/10/2022

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: Brittany Hall Date: 1/19/2023

Printed Name: Brittany Hall Title: Environmental Specialist

APPENDIX D

CARMONA RESOURCES

Nearest Water Well

Cimarex Energy Co. of Colorado

Legend

- 0.40 Miles
- 0.40 Miles
- 0.50 Mile Radius
- 0.83 Miles
- 1.09 Miles
- 1.58 Miles
- 1.82 Miles
- BRADLEY 14 FED COM #001 (03.08.2014)
- NMSEO Water Well
- USGS Water Well

32' - Drilled 2012

60' - Drilled 2010

BRADLEY 14 FED COM #001 (03.08.2014)

763

Black River Village Rd

Black River Village Rd

763

7' - Drilled 1960

31' - Drilled 1954

168.54' - Drilled 1987

720

25.19 - Drilled 1992

Black River Village Rd

N

1 mi

Google Earth

Medium Karst

Cimarex Energy Co. of Colorado

Legend

- BRADLEY 14 FED COM #001 (03.08.2014)
- High
- Medium

National Parks Hwy

Black River Village Rd

Black River Village Rd

Black River Village Rd

BRADLEY 14 FED COM #001 (03.08.2014)

763

748

720

Black River Center For Learning

N

1 mi

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	Twn	Rng	X	Y
	C 03414 POD2	3	1	2	14	24S	26E	569509	3565257

Driller License: 1348 **Driller Company:** TAYLOR WATER WELL SERVICE

Driller Name: TAYLOR, CLINTON E.

Drill Start Date:	02/27/2012	**Drill Finish Date:**	02/28/2012	**Plug Date:**	
Log File Date:	07/16/2012	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	2 GPM
Casing Size:	4.50	**Depth Well:**	100 feet	**Depth Water:**	32 feet

Water Bearing Stratifications:	Top	Bottom	Description
	61	96	Shale/Mudstone/Siltstone

Casing Perforations:	Top	Bottom
	52	92

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	Twn	Rng	X	Y
	C 03414 POD1	3	1	2	14	24S	26E	569513	3565188

Driller License:	1541	**Driller Company:**	CROCKETT TRUCKING LLC ET AL		
Driller Name:	TRAVIS MANN				
Drill Start Date:	04/26/2010	**Drill Finish Date:**	04/28/2010	**Plug Date:**	
Log File Date:	04/30/2010	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	15 GPM
Casing Size:	4.00	**Depth Well:**	80 feet	**Depth Water:**	60 feet

Water Bearing Stratifications:	Top	Bottom	Description
	60	75	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	30	50

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 00928		1	1	23	24S	26E	568806	3563757*

Driller License: 30 **Driller Company:** BARRON, EMMETT

Driller Name: BARRON, EMMETT

Drill Start Date:	05/09/1960	**Drill Finish Date:**	05/11/1960	**Plug Date:**	
Log File Date:	06/07/1960	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	8.00	**Depth Well:**	91 feet	**Depth Water:**	7 feet

Water Bearing Stratifications:	Top	Bottom	Description
	5	7	Other/Unknown

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

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 00517	1	3	2	23	24S	26E	569498	3563456*

Driller License: 30 **Driller Company:** BARRON, EMMETT

Driller Name: EMMETT BARRON

Drill Start Date:	05/07/1954	**Drill Finish Date:**	05/10/1954	**Plug Date:**	
Log File Date:	06/06/1955	**PCW Rcv Date:**	06/02/1955	**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	6.63	**Depth Well:**	80 feet	**Depth Water:**	31 feet

Water Bearing Stratifications:	Top	Bottom	Description
	35	40	Sandstone/Gravel/Conglomerate
	60	70	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	55	80

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

Click to hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 321205104151301

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

USGS 321205104151301 24S.26E.2.311144

Eddy County, New Mexico
Latitude 32°12'05", Longitude 104°15'13" NAD27
Land-surface elevation 3,235.0 feet above NGVD29
The depth of the well is 56.00 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1992-11-12		D	62610		3209.81	NGVD29	1	S		
1992-11-12		D	62611		3211.48	NAVD88	1	S		
1992-11-12		D	72019	25.19			1	S		

Explanation

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

Section	Code	Description
Method of measurement	S	Steel-tape measurement.
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?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
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U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2022-09-29 13:16:26 EDT
0.3 0.26 nadww01

Click to hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 321214104173601

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

USGS 321214104173601 24S.26E.21.23424

Eddy County, New Mexico
Latitude 32°12'14", Longitude 104°17'36" NAD27
Land-surface elevation 3,342.0 feet above NGVD29
The depth of the well is 175.0 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1987-10-21		D	62610		3173.46	NGVD29	P	S		
1987-10-21		D	62611		3175.14	NAVD88	P	S		
1987-10-21		D	72019	168.54			P	S		

Explanation

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

Section	Code	Description
Method of measurement	S	Steel-tape measurement.
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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Help
Data Tips
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U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2022-09-29 13:21:15 EDT
0.29 0.25 nadww02

New Mexico NFHL Data

September 29, 2022

1:4,514

0 0.03 0.07 0.13 mi

0 0.05 0.1 0.2 km

APPENDIX E

CARMONA RESOURCES

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-19787-1
Laboratory Sample Delivery Group: Eddy, Co. NM
Client Project/Site: Bradley 14 Federal #1 (03.08.14)

For:
Carmona Resources
310 W Wall St
Ste 415
Midland, Texas 79701

Attn: Ashton Thielke

JKramer

Authorized for release by:
10/3/2022 6:53:08 PM

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

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Carmona Resources
Project/Site: Bradley 14 Federal #1 (03.08.14)

Laboratory Job ID: 880-19787-1
SDG: Eddy, Co. NM

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

Job ID: 880-19787-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-19787-1

Receipt
The samples were received on 9/28/2022 4:32 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.9°C

GC VOA
Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-35718 and analytical batch 880-35781 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-35872 and analytical batch 880-35873 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCS 880-35875/1-A) and (LCSD 880-35875/2-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (880-19424-A-31-F MS) and (880-19424-A-31-G MSD). Evidence of matrix interferences is not obvious.

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

GC Semi VOA
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: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

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

Lab Sample ID: 880-19787-1
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/28/22 16:51	10/01/22 00:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/28/22 16:51	10/01/22 00:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/28/22 16:51	10/01/22 00:34	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/28/22 16:51	10/01/22 00:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/28/22 16:51	10/01/22 00:34	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/28/22 16:51	10/01/22 00:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*09/28/22 16:51*	*10/01/22 00:34*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*09/28/22 16:51*	*10/01/22 00:34*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/30/22 20:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/30/22 08:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/29/22 08:25	09/29/22 11:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/29/22 08:25	09/29/22 11:10	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/29/22 08:25	09/29/22 11:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*09/29/22 08:25*	*09/29/22 11:10*	*1*
o-Terphenyl	*108*		*70 - 130*	*09/29/22 08:25*	*09/29/22 11:10*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.6**		4.97		mg/Kg			09/29/22 19:08	1

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

Lab Sample ID: 880-19787-2
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/28/22 16:51	10/01/22 00:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/28/22 16:51	10/01/22 00:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/28/22 16:51	10/01/22 00:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/28/22 16:51	10/01/22 00:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/28/22 16:51	10/01/22 00:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/28/22 16:51	10/01/22 00:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*09/28/22 16:51*	*10/01/22 00:54*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*09/28/22 16:51*	*10/01/22 00:54*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

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

Lab Sample ID: 880-19787-2
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/30/22 20:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/30/22 08:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/29/22 08:25	09/29/22 12:13	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/29/22 08:25	09/29/22 12:13	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/29/22 08:25	09/29/22 12:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*09/29/22 08:25*	*09/29/22 12:13*	*1*
o-Terphenyl	*97*		*70 - 130*	*09/29/22 08:25*	*09/29/22 12:13*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.0**		5.04		mg/Kg			09/29/22 19:22	1

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

Lab Sample ID: 880-19787-3
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/28/22 16:51	10/01/22 01:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/28/22 16:51	10/01/22 01:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/28/22 16:51	10/01/22 01:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/28/22 16:51	10/01/22 01:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/28/22 16:51	10/01/22 01:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/28/22 16:51	10/01/22 01:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*09/28/22 16:51*	*10/01/22 01:14*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*09/28/22 16:51*	*10/01/22 01:14*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/30/22 20:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/30/22 08:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/29/22 08:25	09/29/22 14:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/29/22 08:25	09/29/22 14:00	1

Client Sample Results

Client: Carmona Resources
Project/Site: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

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

Lab Sample ID: 880-19787-3

Date Collected: 09/28/22 00:00
Matrix: Solid
Date Received: 09/28/22 16:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/29/22 08:25	09/29/22 14:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*09/29/22 08:25*	*09/29/22 14:00*	*1*
o-Terphenyl	*99*		*70 - 130*	*09/29/22 08:25*	*09/29/22 14:00*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.9**		4.96		mg/Kg			09/29/22 19:27	1

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

Lab Sample ID: 880-19787-4

Date Collected: 09/28/22 00:00
Matrix: Solid
Date Received: 09/28/22 16:32

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/28/22 16:51	10/01/22 01:35	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/28/22 16:51	10/01/22 01:35	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/28/22 16:51	10/01/22 01:35	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/28/22 16:51	10/01/22 01:35	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/28/22 16:51	10/01/22 01:35	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/28/22 16:51	10/01/22 01:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*09/28/22 16:51*	*10/01/22 01:35*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*09/28/22 16:51*	*10/01/22 01:35*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/30/22 20:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/30/22 08:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/29/22 08:25	09/29/22 14:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/29/22 08:25	09/29/22 14:21	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/29/22 08:25	09/29/22 14:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*09/29/22 08:25*	*09/29/22 14:21*	*1*
o-Terphenyl	*108*		*70 - 130*	*09/29/22 08:25*	*09/29/22 14:21*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.4**		5.00		mg/Kg			09/29/22 19:32	1

Client Sample Results

Client: Carmona Resources
Project/Site: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

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

Lab Sample ID: 880-19787-5
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/28/22 16:51	10/01/22 01:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/28/22 16:51	10/01/22 01:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/28/22 16:51	10/01/22 01:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/28/22 16:51	10/01/22 01:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/28/22 16:51	10/01/22 01:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/28/22 16:51	10/01/22 01:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*09/28/22 16:51*	*10/01/22 01:55*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*09/28/22 16:51*	*10/01/22 01:55*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/30/22 20:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/30/22 08:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/29/22 08:25	09/29/22 14:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/29/22 08:25	09/29/22 14:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/29/22 08:25	09/29/22 14:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*09/29/22 08:25*	*09/29/22 14:43*	*1*
o-Terphenyl	*112*		*70 - 130*	*09/29/22 08:25*	*09/29/22 14:43*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.2**		5.00		mg/Kg			09/29/22 19:37	1

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

Lab Sample ID: 880-19787-6
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/28/22 16:51	10/01/22 02:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/28/22 16:51	10/01/22 02:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/28/22 16:51	10/01/22 02:16	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/28/22 16:51	10/01/22 02:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/28/22 16:51	10/01/22 02:16	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/28/22 16:51	10/01/22 02:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*09/28/22 16:51*	*10/01/22 02:16*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*09/28/22 16:51*	*10/01/22 02:16*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

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

Lab Sample ID: 880-19787-6
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/30/22 20:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/30/22 08:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/29/22 08:25	09/29/22 15:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/29/22 08:25	09/29/22 15:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/29/22 08:25	09/29/22 15:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*09/29/22 08:25*	*09/29/22 15:04*	*1*
o-Terphenyl	*106*		*70 - 130*	*09/29/22 08:25*	*09/29/22 15:04*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.9**		4.97		mg/Kg			09/29/22 19:51	1

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

Lab Sample ID: 880-19787-7
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/28/22 16:51	10/01/22 02:36	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/28/22 16:51	10/01/22 02:36	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/28/22 16:51	10/01/22 02:36	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/28/22 16:51	10/01/22 02:36	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/28/22 16:51	10/01/22 02:36	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/28/22 16:51	10/01/22 02:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*09/28/22 16:51*	*10/01/22 02:36*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*09/28/22 16:51*	*10/01/22 02:36*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/30/22 20:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/30/22 08:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/29/22 08:25	09/29/22 16:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/29/22 08:25	09/29/22 16:09	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

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

Lab Sample ID: 880-19787-7
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/29/22 08:25	09/29/22 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*09/29/22 08:25*	*09/29/22 16:09*	*1*
o-Terphenyl	*104*		*70 - 130*	*09/29/22 08:25*	*09/29/22 16:09*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.0**		5.02		mg/Kg			09/29/22 19:56	1

Client Sample ID: S-4 (0.5-1')

Lab Sample ID: 880-19787-8
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/28/22 16:51	10/01/22 02:56	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/28/22 16:51	10/01/22 02:56	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/28/22 16:51	10/01/22 02:56	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/28/22 16:51	10/01/22 02:56	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/28/22 16:51	10/01/22 02:56	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/28/22 16:51	10/01/22 02:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*09/28/22 16:51*	*10/01/22 02:56*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*09/28/22 16:51*	*10/01/22 02:56*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/30/22 20:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/30/22 08:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/29/22 08:25	09/29/22 16:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/29/22 08:25	09/29/22 16:30	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/29/22 08:25	09/29/22 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*09/29/22 08:25*	*09/29/22 16:30*	*1*
o-Terphenyl	*114*		*70 - 130*	*09/29/22 08:25*	*09/29/22 16:30*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.6**		5.03		mg/Kg			09/29/22 20:01	1

Client Sample Results

Client: Carmona Resources
Project/Site: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

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

Lab Sample ID: 880-19787-9
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/28/22 16:51	10/01/22 03:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/28/22 16:51	10/01/22 03:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/28/22 16:51	10/01/22 03:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/28/22 16:51	10/01/22 03:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/28/22 16:51	10/01/22 03:17	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/28/22 16:51	10/01/22 03:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*09/28/22 16:51*	*10/01/22 03:17*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*09/28/22 16:51*	*10/01/22 03:17*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/30/22 20:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/30/22 08:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/29/22 08:25	09/29/22 16:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/29/22 08:25	09/29/22 16:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/29/22 08:25	09/29/22 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*09/29/22 08:25*	*09/29/22 16:52*	*1*
o-Terphenyl	*118*		*70 - 130*	*09/29/22 08:25*	*09/29/22 16:52*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.3**		4.95		mg/Kg			09/29/22 20:06	1

Client Sample ID: S-5 (0.5-1')

Lab Sample ID: 880-19787-10
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/28/22 16:51	10/01/22 03:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/28/22 16:51	10/01/22 03:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/28/22 16:51	10/01/22 03:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/28/22 16:51	10/01/22 03:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/28/22 16:51	10/01/22 03:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/28/22 16:51	10/01/22 03:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*09/28/22 16:51*	*10/01/22 03:37*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*09/28/22 16:51*	*10/01/22 03:37*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

Client Sample ID: S-5 (0.5-1')

Lab Sample ID: 880-19787-10
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/30/22 20:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/30/22 08:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/29/22 08:25	09/29/22 17:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/29/22 08:25	09/29/22 17:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/29/22 08:25	09/29/22 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*09/29/22 08:25*	*09/29/22 17:13*	*1*
o-Terphenyl	*106*		*70 - 130*	*09/29/22 08:25*	*09/29/22 17:13*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19.1**		4.97		mg/Kg			09/29/22 20:11	1

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

Lab Sample ID: 880-19787-11
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200		mg/Kg		09/29/22 15:50	09/30/22 19:35	1
Toluene	<0.00200	U *- *1	0.00200		mg/Kg		09/29/22 15:50	09/30/22 19:35	1
Ethylbenzene	<0.00200	U *- *1	0.00200		mg/Kg		09/29/22 15:50	09/30/22 19:35	1
m-Xylene & p-Xylene	<0.00401	U *- *1	0.00401		mg/Kg		09/29/22 15:50	09/30/22 19:35	1
o-Xylene	<0.00200	U *- *1	0.00200		mg/Kg		09/29/22 15:50	09/30/22 19:35	1
Xylenes, Total	<0.00401	U *- *1	0.00401		mg/Kg		09/29/22 15:50	09/30/22 19:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*09/29/22 15:50*	*09/30/22 19:35*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*09/29/22 15:50*	*09/30/22 19:35*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/30/22 20:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/30/22 08:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/29/22 08:25	09/29/22 17:35	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/29/22 08:25	09/29/22 17:35	1

Client Sample Results

Client: Carmona Resources
Project/Site: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

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

Lab Sample ID: 880-19787-11
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/29/22 08:25	09/29/22 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*09/29/22 08:25*	*09/29/22 17:35*	*1*
o-Terphenyl	*112*		*70 - 130*	*09/29/22 08:25*	*09/29/22 17:35*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.3**		4.98		mg/Kg			09/29/22 20:15	1

Client Sample ID: S-6 (0.5-1')

Lab Sample ID: 880-19787-12
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/01/22 09:43	10/01/22 12:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/01/22 09:43	10/01/22 12:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/01/22 09:43	10/01/22 12:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/01/22 09:43	10/01/22 12:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/01/22 09:43	10/01/22 12:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/01/22 09:43	10/01/22 12:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*10/01/22 09:43*	*10/01/22 12:29*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*10/01/22 09:43*	*10/01/22 12:29*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/30/22 20:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/30/22 08:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/29/22 08:25	09/29/22 17:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/29/22 08:25	09/29/22 17:56	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/29/22 08:25	09/29/22 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*09/29/22 08:25*	*09/29/22 17:56*	*1*
o-Terphenyl	*125*		*70 - 130*	*09/29/22 08:25*	*09/29/22 17:56*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.4**		5.01		mg/Kg			09/29/22 20:30	1

Client Sample Results

Client: Carmona Resources
Project/Site: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

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

Lab Sample ID: 880-19787-13
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/01/22 09:43	10/01/22 12:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/01/22 09:43	10/01/22 12:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/01/22 09:43	10/01/22 12:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/01/22 09:43	10/01/22 12:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/01/22 09:43	10/01/22 12:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/01/22 09:43	10/01/22 12:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*10/01/22 09:43*	*10/01/22 12:50*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*10/01/22 09:43*	*10/01/22 12:50*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/30/22 20:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/30/22 08:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/29/22 08:25	09/29/22 18:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/29/22 08:25	09/29/22 18:17	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/29/22 08:25	09/29/22 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*09/29/22 08:25*	*09/29/22 18:17*	*1*
o-Terphenyl	*122*		*70 - 130*	*09/29/22 08:25*	*09/29/22 18:17*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.3**		5.02		mg/Kg			09/29/22 20:35	1

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

Lab Sample ID: 880-19787-14
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/01/22 09:43	10/01/22 13:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/01/22 09:43	10/01/22 13:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/01/22 09:43	10/01/22 13:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/01/22 09:43	10/01/22 13:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/01/22 09:43	10/01/22 13:10	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/01/22 09:43	10/01/22 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*10/01/22 09:43*	*10/01/22 13:10*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*10/01/22 09:43*	*10/01/22 13:10*	*1*

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Client Sample Results

Client: Carmona Resources
Project/Site: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

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

Lab Sample ID: 880-19787-14
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/30/22 20:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			09/30/22 08:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/29/22 08:25	09/29/22 18:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/29/22 08:25	09/29/22 18:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/29/22 08:25	09/29/22 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*09/29/22 08:25*	*09/29/22 18:39*	*1*
o-Terphenyl	*103*		*70 - 130*	*09/29/22 08:25*	*09/29/22 18:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.0**		5.02		mg/Kg			09/29/22 20:49	1

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

Lab Sample ID: 880-19787-15
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/01/22 09:43	10/01/22 13:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/01/22 09:43	10/01/22 13:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/01/22 09:43	10/01/22 13:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/01/22 09:43	10/01/22 13:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/01/22 09:43	10/01/22 13:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/01/22 09:43	10/01/22 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*10/01/22 09:43*	*10/01/22 13:31*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*10/01/22 09:43*	*10/01/22 13:31*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/30/22 20:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/30/22 08:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/29/22 08:25	09/29/22 19:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/29/22 08:25	09/29/22 19:00	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

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

Lab Sample ID: 880-19787-15
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/29/22 08:25	09/29/22 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*09/29/22 08:25*	*09/29/22 19:00*	*1*
o-Terphenyl	*120*		*70 - 130*	*09/29/22 08:25*	*09/29/22 19:00*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.3**		4.99		mg/Kg			09/29/22 20:54	1

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

Lab Sample ID: 880-19787-16
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/01/22 09:58	10/03/22 12:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/01/22 09:58	10/03/22 12:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/01/22 09:58	10/03/22 12:41	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/01/22 09:58	10/03/22 12:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/01/22 09:58	10/03/22 12:41	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/01/22 09:58	10/03/22 12:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*10/01/22 09:58*	*10/03/22 12:41*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*10/01/22 09:58*	*10/03/22 12:41*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/30/22 20:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/30/22 08:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/29/22 08:25	09/29/22 19:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/29/22 08:25	09/29/22 19:22	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/29/22 08:25	09/29/22 19:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*127*		*70 - 130*	*09/29/22 08:25*	*09/29/22 19:22*	*1*
o-Terphenyl	*123*		*70 - 130*	*09/29/22 08:25*	*09/29/22 19:22*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**31.8**		5.05		mg/Kg			09/29/22 20:59	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-19424-A-1-J MS	Matrix Spike	94	90
880-19424-A-1-K MSD	Matrix Spike Duplicate	99	93
880-19424-A-31-F MS	Matrix Spike	134 S1+	101
880-19424-A-31-G MSD	Matrix Spike Duplicate	137 S1+	101
880-19714-A-4-C MS	Matrix Spike	104	102
880-19714-A-4-D MSD	Matrix Spike Duplicate	103	103
880-19787-1	S-1 (0-0.5')	110	104
880-19787-2	S-1 (0.5-1')	113	102
880-19787-3	S-2 (0-0.5')	109	104
880-19787-4	S-2 (0.5-1')	112	103
880-19787-5	S-3 (0-0.5')	111	105
880-19787-6	S-3 (0.5-1')	111	101
880-19787-7	S-4 (0-0.5')	111	100
880-19787-8	S-4 (0.5-1')	110	97
880-19787-9	S-5 (0-0.5')	108	102
880-19787-10	S-5 (0.5-1')	110	103
880-19787-11	S-6 (0-0.5')	108	98
880-19787-12	S-6 (0.5-1')	96	94
880-19787-13	H-1 (0-0.5')	104	95
880-19787-14	H-2 (0-0.5')	104	90
880-19787-15	H-3 (0-0.5')	105	92
880-19787-16	H-4 (0-0.5')	121	91
880-19797-A-1-G MS	Matrix Spike	84	97
880-19797-A-1-H MSD	Matrix Spike Duplicate	91	99
LCS 880-35633/1-A	Lab Control Sample	97	104
LCS 880-35718/1-A	Lab Control Sample	79	94
LCS 880-35872/1-A	Lab Control Sample	83	91
LCS 880-35872/2-A	Lab Control Sample	86	89
LCS 880-35875/1-A	Lab Control Sample	131 S1+	100
LCSD 880-35633/2-A	Lab Control Sample Dup	100	101
LCSD 880-35718/2-A	Lab Control Sample Dup	98	90
LCSD 880-35875/2-A	Lab Control Sample Dup	149 S1+	100
MB 880-35633/5-A	Method Blank	101	114
MB 880-35718/5-A	Method Blank	73	68 S1-
MB 880-35872/5-A	Method Blank	81	73
MB 880-35874/5-A	Method Blank	106	84
MB 880-35875/5-A	Method Blank	107	82

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-19787-1	S-1 (0-0.5')	111	108
880-19787-1 MS	S-1 (0-0.5')	92	92

Surrogate Summary

Client: Carmona Resources Job ID: 880-19787-1
Project/Site: Bradley 14 Federal #1 (03.08.14) SDG: Eddy, Co. NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
880-19787-1 MSD	S-1 (0-0.5')	96	91								
880-19787-2	S-1 (0.5-1')	97	97								
880-19787-3	S-2 (0-0.5')	98	99								
880-19787-4	S-2 (0.5-1')	108	108								
880-19787-5	S-3 (0-0.5')	113	112								
880-19787-6	S-3 (0.5-1')	109	106								
880-19787-7	S-4 (0-0.5')	105	104								
880-19787-8	S-4 (0.5-1')	115	114								
880-19787-9	S-5 (0-0.5')	119	118								
880-19787-10	S-5 (0.5-1')	104	106								
880-19787-11	S-6 (0-0.5')	110	112								
880-19787-12	S-6 (0.5-1')	124	125								
880-19787-13	H-1 (0-0.5')	124	122								
880-19787-14	H-2 (0-0.5')	103	103								
880-19787-15	H-3 (0-0.5')	120	120								
880-19787-16	H-4 (0-0.5')	127	123								
LCS 880-35651/2-A	Lab Control Sample	102	105								
LCSD 880-35651/3-A	Lab Control Sample Dup	102	104								
MB 880-35651/1-A	Method Blank	116	117								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-35633/5-A
Matrix: Solid
Analysis Batch: 35815

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 35633

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/28/22 16:51	09/30/22 19:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/28/22 16:51	09/30/22 19:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/28/22 16:51	09/30/22 19:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/28/22 16:51	09/30/22 19:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/28/22 16:51	09/30/22 19:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/28/22 16:51	09/30/22 19:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*09/28/22 16:51*	*09/30/22 19:12*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*09/28/22 16:51*	*09/30/22 19:12*	*1*

Lab Sample ID: LCS 880-35633/1-A
Matrix: Solid
Analysis Batch: 35815

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35633

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09452		mg/Kg		95	70 - 130		
Toluene			0.100	0.1061		mg/Kg		106	70 - 130		
Ethylbenzene			0.100	0.1076		mg/Kg		108	70 - 130		
m-Xylene & p-Xylene			0.200	0.2151		mg/Kg		108	70 - 130		
o-Xylene			0.100	0.1047		mg/Kg		105	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 880-35633/2-A
Matrix: Solid
Analysis Batch: 35815

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 35633

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09908		mg/Kg		99	70 - 130	5	35
Toluene			0.100	0.1058		mg/Kg		106	70 - 130	0	35
Ethylbenzene			0.100	0.1082		mg/Kg		108	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.2180		mg/Kg		109	70 - 130	1	35
o-Xylene			0.100	0.1051		mg/Kg		105	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-19714-A-4-C MS
Matrix: Solid
Analysis Batch: 35815

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 35633

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.100	0.09766		mg/Kg		97	70 - 130		
Toluene	<0.00199	U	0.100	0.09427		mg/Kg		94	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

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

Lab Sample ID: 880-19714-A-4-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35815 — **Prep Batch: 35633**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.100	0.09469		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1870		mg/Kg		93	70 - 130
o-Xylene	<0.00199	U	0.100	0.09381		mg/Kg		94	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-19714-A-4-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35815 — **Prep Batch: 35633**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0990	0.09082		mg/Kg		92	70 - 130	7	35
Toluene	<0.00199	U	0.0990	0.08481		mg/Kg		86	70 - 130	11	35
Ethylbenzene	<0.00199	U	0.0990	0.07809		mg/Kg		79	70 - 130	19	35
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1526		mg/Kg		77	70 - 130	20	35
o-Xylene	<0.00199	U	0.0990	0.07864		mg/Kg		79	70 - 130	18	35

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

Lab Sample ID: MB 880-35718/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35781 — **Prep Batch: 35718**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/29/22 15:50	09/30/22 16:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/29/22 15:50	09/30/22 16:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/29/22 15:50	09/30/22 16:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/29/22 15:50	09/30/22 16:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/29/22 15:50	09/30/22 16:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/29/22 15:50	09/30/22 16:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*70 - 130*	*09/29/22 15:50*	*09/30/22 16:07*	*1*
1,4-Difluorobenzene (Surr)	*68*	*S1-*	*70 - 130*	*09/29/22 15:50*	*09/30/22 16:07*	*1*

Lab Sample ID: LCS 880-35718/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35781 — **Prep Batch: 35718**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1187		mg/Kg		119	70 - 130
Toluene	0.100	0.08784		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.07891		mg/Kg		79	70 - 130
m-Xylene & p-Xylene	0.200	0.1589		mg/Kg		79	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

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

Lab Sample ID: LCS 880-35718/1-A
Matrix: Solid
Analysis Batch: 35781

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35718

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.07831		mg/Kg		78	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: LCSD 880-35718/2-A
Matrix: Solid
Analysis Batch: 35781

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 35718

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.04347	*- *1	mg/Kg		43	70 - 130	93	35
Toluene			0.100	0.03890	*- *1	mg/Kg		39	70 - 130	77	35
Ethylbenzene			0.100	0.03678	*- *1	mg/Kg		37	70 - 130	73	35
m-Xylene & p-Xylene			0.200	0.07753	*- *1	mg/Kg		39	70 - 130	69	35
o-Xylene			0.100	0.04319	*- *1	mg/Kg		43	70 - 130	58	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: 880-19797-A-1-G MS
Matrix: Solid
Analysis Batch: 35781

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 35718

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U *- *1	0.0996	0.09362		mg/Kg		94	70 - 130		
Toluene	<0.00201	U *- *1	0.0996	0.07746		mg/Kg		78	70 - 130		
Ethylbenzene	<0.00201	U *- *1	0.0996	0.07628		mg/Kg		77	70 - 130		
m-Xylene & p-Xylene	<0.00402	U *- *1	0.199	0.1472		mg/Kg		74	70 - 130		
o-Xylene	<0.00201	U *- *1	0.0996	0.07307		mg/Kg		73	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 880-19797-A-1-H MSD
Matrix: Solid
Analysis Batch: 35781

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 35718

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U *- *1	0.0992	0.1013		mg/Kg		102	70 - 130	8	35
Toluene	<0.00201	U *- *1	0.0992	0.08021		mg/Kg		81	70 - 130	3	35
Ethylbenzene	<0.00201	U *- *1	0.0992	0.07289		mg/Kg		73	70 - 130	5	35
m-Xylene & p-Xylene	<0.00402	U *- *1	0.198	0.1435		mg/Kg		72	70 - 130	3	35
o-Xylene	<0.00201	U *- *1	0.0992	0.07262		mg/Kg		73	70 - 130	1	35

QC Sample Results

Client: Carmona Resources
Project/Site: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

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

Lab Sample ID: 880-19797-A-1-H MSD
Matrix: Solid
Analysis Batch: 35781

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 35718

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: MB 880-35872/5-A
Matrix: Solid
Analysis Batch: 35873

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 35872

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/01/22 09:43	10/01/22 11:46	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/01/22 09:43	10/01/22 11:46	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/01/22 09:43	10/01/22 11:46	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/01/22 09:43	10/01/22 11:46	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/01/22 09:43	10/01/22 11:46	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/01/22 09:43	10/01/22 11:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	10/01/22 09:43	10/01/22 11:46	1
1,4-Difluorobenzene (Surr)	73		70 - 130	10/01/22 09:43	10/01/22 11:46	1

Lab Sample ID: LCS 880-35872/1-A
Matrix: Solid
Analysis Batch: 35873

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35872

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.0992	0.1075		mg/Kg		108	70 - 130		
Toluene			0.0992	0.08595		mg/Kg		87	70 - 130		
Ethylbenzene			0.0992	0.08026		mg/Kg		81	70 - 130		
m-Xylene & p-Xylene			0.198	0.1632		mg/Kg		82	70 - 130		
o-Xylene			0.0992	0.08000		mg/Kg		81	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	83		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: LCS 880-35872/2-A
Matrix: Solid
Analysis Batch: 35873

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35872

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.0998	0.1130		mg/Kg		113	70 - 130		
Toluene			0.0998	0.09192		mg/Kg		92	70 - 130		
Ethylbenzene			0.0998	0.08592		mg/Kg		86	70 - 130		
m-Xylene & p-Xylene			0.200	0.1718		mg/Kg		86	70 - 130		
o-Xylene			0.0998	0.08346		mg/Kg		84	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	86		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

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

Lab Sample ID: LCS 880-35872/2-A
Matrix: Solid
Analysis Batch: 35873

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35872

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 880-19424-A-1-J MS
Matrix: Solid
Analysis Batch: 35873

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 35872

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U F1 F2	0.100	0.08798		mg/Kg		88	70 - 130
Toluene	<0.00199	U F1 F2	0.100	0.08008		mg/Kg		80	70 - 130
Ethylbenzene	<0.00199	U F1 F2	0.100	0.07730		mg/Kg		77	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.200	0.1596		mg/Kg		80	70 - 130
o-Xylene	<0.00199	U F1 F2	0.100	0.07839		mg/Kg		78	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: 880-19424-A-1-K MSD
Matrix: Solid
Analysis Batch: 35873

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 35872

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	0.100	0.02363	F1 F2	mg/Kg		24	70 - 130	115	35
Toluene	<0.00199	U F1 F2	0.100	0.02150	F1 F2	mg/Kg		21	70 - 130	115	35
Ethylbenzene	<0.00199	U F1 F2	0.100	0.01611	F1 F2	mg/Kg		16	70 - 130	131	35
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.200	0.01537	F1 F2	mg/Kg		8	70 - 130	165	35
o-Xylene	<0.00199	U F1 F2	0.100	0.01660	F1 F2	mg/Kg		17	70 - 130	130	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: MB 880-35874/5-A
Matrix: Solid
Analysis Batch: 35889

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 35874

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/01/22 09:52	10/02/22 21:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/01/22 09:52	10/02/22 21:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/01/22 09:52	10/02/22 21:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/01/22 09:52	10/02/22 21:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/01/22 09:52	10/02/22 21:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/01/22 09:52	10/02/22 21:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	10/01/22 09:52	10/02/22 21:28	1
1,4-Difluorobenzene (Surr)	84		70 - 130	10/01/22 09:52	10/02/22 21:28	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

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

Lab Sample ID: MB 880-35875/5-A
Matrix: Solid
Analysis Batch: 35889

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 35875

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/01/22 09:58	10/03/22 07:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/01/22 09:58	10/03/22 07:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/01/22 09:58	10/03/22 07:53	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/01/22 09:58	10/03/22 07:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/01/22 09:58	10/03/22 07:53	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/01/22 09:58	10/03/22 07:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*10/01/22 09:58*	*10/03/22 07:53*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*10/01/22 09:58*	*10/03/22 07:53*	*1*

Lab Sample ID: LCS 880-35875/1-A
Matrix: Solid
Analysis Batch: 35889

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35875

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08041		mg/Kg		80	70 - 130
Toluene	0.100	0.08154		mg/Kg		81	70 - 130
Ethylbenzene	0.100	0.08733		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1818		mg/Kg		91	70 - 130
o-Xylene	0.100	0.1070		mg/Kg		107	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-35875/2-A
Matrix: Solid
Analysis Batch: 35889

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 35875

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08007		mg/Kg		80	70 - 130	0	35
Toluene	0.100	0.08139		mg/Kg		81	70 - 130	0	35
Ethylbenzene	0.100	0.09776		mg/Kg		97	70 - 130	11	35
m-Xylene & p-Xylene	0.201	0.2029		mg/Kg		101	70 - 130	11	35
o-Xylene	0.100	0.1194		mg/Kg		119	70 - 130	11	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*149*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-19424-A-31-F MS
Matrix: Solid
Analysis Batch: 35889

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 35875

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U F1	0.0996	0.04473	F1	mg/Kg		45	70 - 130
Toluene	<0.00199	U F1	0.0996	0.03015	F1	mg/Kg		30	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

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

Lab Sample ID: 880-19424-A-31-F MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35889 — **Prep Batch: 35875**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U F1	0.0996	0.02667	F1	mg/Kg		27	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.199	0.04640	F1	mg/Kg		23	70 - 130
o-Xylene	<0.00199	U F1	0.0996	0.03373	F1	mg/Kg		34	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-19424-A-31-G MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35889 — **Prep Batch: 35875**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.0998	0.03811	F1	mg/Kg		38	70 - 130	16	35
Toluene	<0.00199	U F1	0.0998	0.02654	F1	mg/Kg		27	70 - 130	13	35
Ethylbenzene	<0.00199	U F1	0.0998	0.02328	F1	mg/Kg		23	70 - 130	14	35
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.04241	F1	mg/Kg		21	70 - 130	9	35
o-Xylene	<0.00199	U F1	0.0998	0.02989	F1	mg/Kg		30	70 - 130	12	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

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

Lab Sample ID: MB 880-35651/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35639 — **Prep Batch: 35651**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/29/22 08:25	09/29/22 09:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/29/22 08:25	09/29/22 09:45	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/29/22 08:25	09/29/22 09:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*09/29/22 08:25*	*09/29/22 09:45*	*1*
o-Terphenyl	*117*		*70 - 130*	*09/29/22 08:25*	*09/29/22 09:45*	*1*

Lab Sample ID: LCS 880-35651/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 35639 — **Prep Batch: 35651**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	877.7		mg/Kg		88	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1064		mg/Kg		106	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

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

Lab Sample ID: LCS 880-35651/2-A
Matrix: Solid
Analysis Batch: 35639

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 35651

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: LCSD 880-35651/3-A
Matrix: Solid
Analysis Batch: 35639

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 35651

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	886.7		mg/Kg		89	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1065		mg/Kg		106	70 - 130	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: 880-19787-1 MS
Matrix: Solid
Analysis Batch: 35639

Client Sample ID: S-1 (0-0.5')
Prep Type: Total/NA
Prep Batch: 35651

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	862.5		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1041		mg/Kg		103	70 - 130

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

Lab Sample ID: 880-19787-1 MSD
Matrix: Solid
Analysis Batch: 35639

Client Sample ID: S-1 (0-0.5')
Prep Type: Total/NA
Prep Batch: 35651

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	892.7		mg/Kg		88	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1049		mg/Kg		103	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	91		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-35634/1-A
Matrix: Solid
Analysis Batch: 35716

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/29/22 18:53	1

Lab Sample ID: LCS 880-35634/2-A
Matrix: Solid
Analysis Batch: 35716

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	245.2		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-35634/3-A
Matrix: Solid
Analysis Batch: 35716

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	246.5		mg/Kg		99	90 - 110	1	20

Lab Sample ID: 880-19787-1 MS
Matrix: Solid
Analysis Batch: 35716

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	16.6		249	278.5		mg/Kg		105	90 - 110		

Lab Sample ID: 880-19787-1 MSD
Matrix: Solid
Analysis Batch: 35716

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	16.6		249	280.8		mg/Kg		106	90 - 110	1	20

Lab Sample ID: 880-19787-11 MS
Matrix: Solid
Analysis Batch: 35716

Client Sample ID: S-6 (0-0.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	22.3		249	272.3		mg/Kg		100	90 - 110		

Lab Sample ID: 880-19787-11 MSD
Matrix: Solid
Analysis Batch: 35716

Client Sample ID: S-6 (0-0.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	22.3		249	272.4		mg/Kg		100	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

GC VOA

Prep Batch: 35633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19787-1	S-1 (0-0.5')	Total/NA	Solid	5035	
880-19787-2	S-1 (0.5-1')	Total/NA	Solid	5035	
880-19787-3	S-2 (0-0.5')	Total/NA	Solid	5035	
880-19787-4	S-2 (0.5-1')	Total/NA	Solid	5035	
880-19787-5	S-3 (0-0.5')	Total/NA	Solid	5035	
880-19787-6	S-3 (0.5-1')	Total/NA	Solid	5035	
880-19787-7	S-4 (0-0.5')	Total/NA	Solid	5035	
880-19787-8	S-4 (0.5-1')	Total/NA	Solid	5035	
880-19787-9	S-5 (0-0.5')	Total/NA	Solid	5035	
880-19787-10	S-5 (0.5-1')	Total/NA	Solid	5035	
MB 880-35633/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-35633/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-35633/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-19714-A-4-C MS	Matrix Spike	Total/NA	Solid	5035	
880-19714-A-4-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 35718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19787-11	S-6 (0-0.5')	Total/NA	Solid	5035	
MB 880-35718/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-35718/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-35718/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-19797-A-1-G MS	Matrix Spike	Total/NA	Solid	5035	
880-19797-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 35781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19787-11	S-6 (0-0.5')	Total/NA	Solid	8021B	35718
MB 880-35718/5-A	Method Blank	Total/NA	Solid	8021B	35718
LCS 880-35718/1-A	Lab Control Sample	Total/NA	Solid	8021B	35718
LCSD 880-35718/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	35718
880-19797-A-1-G MS	Matrix Spike	Total/NA	Solid	8021B	35718
880-19797-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	35718

Analysis Batch: 35815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19787-1	S-1 (0-0.5')	Total/NA	Solid	8021B	35633
880-19787-2	S-1 (0.5-1')	Total/NA	Solid	8021B	35633
880-19787-3	S-2 (0-0.5')	Total/NA	Solid	8021B	35633
880-19787-4	S-2 (0.5-1')	Total/NA	Solid	8021B	35633
880-19787-5	S-3 (0-0.5')	Total/NA	Solid	8021B	35633
880-19787-6	S-3 (0.5-1')	Total/NA	Solid	8021B	35633
880-19787-7	S-4 (0-0.5')	Total/NA	Solid	8021B	35633
880-19787-8	S-4 (0.5-1')	Total/NA	Solid	8021B	35633
880-19787-9	S-5 (0-0.5')	Total/NA	Solid	8021B	35633
880-19787-10	S-5 (0.5-1')	Total/NA	Solid	8021B	35633
MB 880-35633/5-A	Method Blank	Total/NA	Solid	8021B	35633
LCS 880-35633/1-A	Lab Control Sample	Total/NA	Solid	8021B	35633
LCSD 880-35633/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	35633
880-19714-A-4-C MS	Matrix Spike	Total/NA	Solid	8021B	35633
880-19714-A-4-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	35633

QC Association Summary

Client: Carmona Resources
Project/Site: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

GC VOA

Analysis Batch: 35856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19787-1	S-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-19787-2	S-1 (0.5-1')	Total/NA	Solid	Total BTEX	
880-19787-3	S-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-19787-4	S-2 (0.5-1')	Total/NA	Solid	Total BTEX	
880-19787-5	S-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-19787-6	S-3 (0.5-1')	Total/NA	Solid	Total BTEX	
880-19787-7	S-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-19787-8	S-4 (0.5-1')	Total/NA	Solid	Total BTEX	
880-19787-9	S-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-19787-10	S-5 (0.5-1')	Total/NA	Solid	Total BTEX	
880-19787-11	S-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-19787-12	S-6 (0.5-1')	Total/NA	Solid	Total BTEX	
880-19787-13	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-19787-14	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-19787-15	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-19787-16	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	

Prep Batch: 35872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19787-12	S-6 (0.5-1')	Total/NA	Solid	5035	
880-19787-13	H-1 (0-0.5')	Total/NA	Solid	5035	
880-19787-14	H-2 (0-0.5')	Total/NA	Solid	5035	
880-19787-15	H-3 (0-0.5')	Total/NA	Solid	5035	
MB 880-35872/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-35872/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 880-35872/2-A	Lab Control Sample	Total/NA	Solid	5035	
880-19424-A-1-J MS	Matrix Spike	Total/NA	Solid	5035	
880-19424-A-1-K MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 35873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19787-12	S-6 (0.5-1')	Total/NA	Solid	8021B	35872
880-19787-13	H-1 (0-0.5')	Total/NA	Solid	8021B	35872
880-19787-14	H-2 (0-0.5')	Total/NA	Solid	8021B	35872
880-19787-15	H-3 (0-0.5')	Total/NA	Solid	8021B	35872
MB 880-35872/5-A	Method Blank	Total/NA	Solid	8021B	35872
LCS 880-35872/1-A	Lab Control Sample	Total/NA	Solid	8021B	35872
LCS 880-35872/2-A	Lab Control Sample	Total/NA	Solid	8021B	35872
880-19424-A-1-J MS	Matrix Spike	Total/NA	Solid	8021B	35872
880-19424-A-1-K MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	35872

Prep Batch: 35874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-35874/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 35875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19787-16	H-4 (0-0.5')	Total/NA	Solid	5035	
MB 880-35875/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-35875/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-35875/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

GC VOA (Continued)

Prep Batch: 35875 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19424-A-31-F MS	Matrix Spike	Total/NA	Solid	5035	
880-19424-A-31-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 35889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19787-16	H-4 (0-0.5')	Total/NA	Solid	8021B	35875
MB 880-35874/5-A	Method Blank	Total/NA	Solid	8021B	35874
MB 880-35875/5-A	Method Blank	Total/NA	Solid	8021B	35875
LCS 880-35875/1-A	Lab Control Sample	Total/NA	Solid	8021B	35875
LCSD 880-35875/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	35875
880-19424-A-31-F MS	Matrix Spike	Total/NA	Solid	8021B	35875
880-19424-A-31-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	35875

GC Semi VOA

Analysis Batch: 35639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19787-1	S-1 (0-0.5')	Total/NA	Solid	8015B NM	35651
880-19787-2	S-1 (0.5-1')	Total/NA	Solid	8015B NM	35651
880-19787-3	S-2 (0-0.5')	Total/NA	Solid	8015B NM	35651
880-19787-4	S-2 (0.5-1')	Total/NA	Solid	8015B NM	35651
880-19787-5	S-3 (0-0.5')	Total/NA	Solid	8015B NM	35651
880-19787-6	S-3 (0.5-1')	Total/NA	Solid	8015B NM	35651
880-19787-7	S-4 (0-0.5')	Total/NA	Solid	8015B NM	35651
880-19787-8	S-4 (0.5-1')	Total/NA	Solid	8015B NM	35651
880-19787-9	S-5 (0-0.5')	Total/NA	Solid	8015B NM	35651
880-19787-10	S-5 (0.5-1')	Total/NA	Solid	8015B NM	35651
880-19787-11	S-6 (0-0.5')	Total/NA	Solid	8015B NM	35651
880-19787-12	S-6 (0.5-1')	Total/NA	Solid	8015B NM	35651
880-19787-13	H-1 (0-0.5')	Total/NA	Solid	8015B NM	35651
880-19787-14	H-2 (0-0.5')	Total/NA	Solid	8015B NM	35651
880-19787-15	H-3 (0-0.5')	Total/NA	Solid	8015B NM	35651
880-19787-16	H-4 (0-0.5')	Total/NA	Solid	8015B NM	35651
MB 880-35651/1-A	Method Blank	Total/NA	Solid	8015B NM	35651
LCS 880-35651/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	35651
LCSD 880-35651/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	35651
880-19787-1 MS	S-1 (0-0.5')	Total/NA	Solid	8015B NM	35651
880-19787-1 MSD	S-1 (0-0.5')	Total/NA	Solid	8015B NM	35651

Prep Batch: 35651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19787-1	S-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-19787-2	S-1 (0.5-1')	Total/NA	Solid	8015NM Prep	
880-19787-3	S-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-19787-4	S-2 (0.5-1')	Total/NA	Solid	8015NM Prep	
880-19787-5	S-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-19787-6	S-3 (0.5-1')	Total/NA	Solid	8015NM Prep	
880-19787-7	S-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-19787-8	S-4 (0.5-1')	Total/NA	Solid	8015NM Prep	
880-19787-9	S-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-19787-10	S-5 (0.5-1')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

GC Semi VOA (Continued)

Prep Batch: 35651 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19787-11	S-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-19787-12	S-6 (0.5-1')	Total/NA	Solid	8015NM Prep	
880-19787-13	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-19787-14	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-19787-15	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-19787-16	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-35651/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-35651/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-35651/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-19787-1 MS	S-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-19787-1 MSD	S-1 (0-0.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 35756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19787-1	S-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-19787-2	S-1 (0.5-1')	Total/NA	Solid	8015 NM	
880-19787-3	S-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-19787-4	S-2 (0.5-1')	Total/NA	Solid	8015 NM	
880-19787-5	S-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-19787-6	S-3 (0.5-1')	Total/NA	Solid	8015 NM	
880-19787-7	S-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-19787-8	S-4 (0.5-1')	Total/NA	Solid	8015 NM	
880-19787-9	S-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-19787-10	S-5 (0.5-1')	Total/NA	Solid	8015 NM	
880-19787-11	S-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-19787-12	S-6 (0.5-1')	Total/NA	Solid	8015 NM	
880-19787-13	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-19787-14	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-19787-15	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-19787-16	H-4 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 35634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19787-1	S-1 (0-0.5')	Soluble	Solid	DI Leach	
880-19787-2	S-1 (0.5-1')	Soluble	Solid	DI Leach	
880-19787-3	S-2 (0-0.5')	Soluble	Solid	DI Leach	
880-19787-4	S-2 (0.5-1')	Soluble	Solid	DI Leach	
880-19787-5	S-3 (0-0.5')	Soluble	Solid	DI Leach	
880-19787-6	S-3 (0.5-1')	Soluble	Solid	DI Leach	
880-19787-7	S-4 (0-0.5')	Soluble	Solid	DI Leach	
880-19787-8	S-4 (0.5-1')	Soluble	Solid	DI Leach	
880-19787-9	S-5 (0-0.5')	Soluble	Solid	DI Leach	
880-19787-10	S-5 (0.5-1')	Soluble	Solid	DI Leach	
880-19787-11	S-6 (0-0.5')	Soluble	Solid	DI Leach	
880-19787-12	S-6 (0.5-1')	Soluble	Solid	DI Leach	
880-19787-13	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-19787-14	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-19787-15	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-19787-16	H-4 (0-0.5')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

HPLC/IC (Continued)

Leach Batch: 35634 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-35634/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-35634/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-35634/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-19787-1 MS	S-1 (0-0.5')	Soluble	Solid	DI Leach	
880-19787-1 MSD	S-1 (0-0.5')	Soluble	Solid	DI Leach	
880-19787-11 MS	S-6 (0-0.5')	Soluble	Solid	DI Leach	
880-19787-11 MSD	S-6 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 35716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19787-1	S-1 (0-0.5')	Soluble	Solid	300.0	35634
880-19787-2	S-1 (0.5-1')	Soluble	Solid	300.0	35634
880-19787-3	S-2 (0-0.5')	Soluble	Solid	300.0	35634
880-19787-4	S-2 (0.5-1')	Soluble	Solid	300.0	35634
880-19787-5	S-3 (0-0.5')	Soluble	Solid	300.0	35634
880-19787-6	S-3 (0.5-1')	Soluble	Solid	300.0	35634
880-19787-7	S-4 (0-0.5')	Soluble	Solid	300.0	35634
880-19787-8	S-4 (0.5-1')	Soluble	Solid	300.0	35634
880-19787-9	S-5 (0-0.5')	Soluble	Solid	300.0	35634
880-19787-10	S-5 (0.5-1')	Soluble	Solid	300.0	35634
880-19787-11	S-6 (0-0.5')	Soluble	Solid	300.0	35634
880-19787-12	S-6 (0.5-1')	Soluble	Solid	300.0	35634
880-19787-13	H-1 (0-0.5')	Soluble	Solid	300.0	35634
880-19787-14	H-2 (0-0.5')	Soluble	Solid	300.0	35634
880-19787-15	H-3 (0-0.5')	Soluble	Solid	300.0	35634
880-19787-16	H-4 (0-0.5')	Soluble	Solid	300.0	35634
MB 880-35634/1-A	Method Blank	Soluble	Solid	300.0	35634
LCS 880-35634/2-A	Lab Control Sample	Soluble	Solid	300.0	35634
LCSD 880-35634/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	35634
880-19787-1 MS	S-1 (0-0.5')	Soluble	Solid	300.0	35634
880-19787-1 MSD	S-1 (0-0.5')	Soluble	Solid	300.0	35634
880-19787-11 MS	S-6 (0-0.5')	Soluble	Solid	300.0	35634
880-19787-11 MSD	S-6 (0-0.5')	Soluble	Solid	300.0	35634

Lab Chronicle

Client: Carmona Resources
Project/Site: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

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

Lab Sample ID: 880-19787-1
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

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	35633	09/28/22 16:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35815	10/01/22 00:34	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35856	09/30/22 20:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35756	09/30/22 08:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35651	09/29/22 08:25	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35639	09/29/22 11:10	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	35634	09/28/22 16:54	KS	EET MID
Soluble	Analysis	300.0		1			35716	09/29/22 19:08	CH	EET MID

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

Lab Sample ID: 880-19787-2
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

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	35633	09/28/22 16:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35815	10/01/22 00:54	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35856	09/30/22 20:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35756	09/30/22 08:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	35651	09/29/22 08:25	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35639	09/29/22 12:13	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	35634	09/28/22 16:54	KS	EET MID
Soluble	Analysis	300.0		1			35716	09/29/22 19:22	CH	EET MID

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

Lab Sample ID: 880-19787-3
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

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	35633	09/28/22 16:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35815	10/01/22 01:14	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35856	09/30/22 20:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35756	09/30/22 08:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	35651	09/29/22 08:25	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35639	09/29/22 14:00	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	35634	09/28/22 16:54	KS	EET MID
Soluble	Analysis	300.0		1			35716	09/29/22 19:27	CH	EET MID

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

Lab Sample ID: 880-19787-4
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	35633	09/28/22 16:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35815	10/01/22 01:35	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35856	09/30/22 20:25	AJ	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

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

Lab Sample ID: 880-19787-4
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

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			35756	09/30/22 08:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	35651	09/29/22 08:25	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35639	09/29/22 14:21	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	35634	09/28/22 16:54	KS	EET MID
Soluble	Analysis	300.0		1			35716	09/29/22 19:32	CH	EET MID

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

Lab Sample ID: 880-19787-5
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

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	35633	09/28/22 16:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35815	10/01/22 01:55	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35856	09/30/22 20:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35756	09/30/22 08:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	35651	09/29/22 08:25	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35639	09/29/22 14:43	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	35634	09/28/22 16:54	KS	EET MID
Soluble	Analysis	300.0		1			35716	09/29/22 19:37	CH	EET MID

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

Lab Sample ID: 880-19787-6
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

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	35633	09/28/22 16:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35815	10/01/22 02:16	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35856	09/30/22 20:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35756	09/30/22 08:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35651	09/29/22 08:25	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35639	09/29/22 15:04	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	35634	09/28/22 16:54	KS	EET MID
Soluble	Analysis	300.0		1			35716	09/29/22 19:51	CH	EET MID

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

Lab Sample ID: 880-19787-7
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

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	35633	09/28/22 16:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35815	10/01/22 02:36	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35856	09/30/22 20:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35756	09/30/22 08:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35651	09/29/22 08:25	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35639	09/29/22 16:09	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

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

Lab Sample ID: 880-19787-7
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	35634	09/28/22 16:54	KS	EET MID
Soluble	Analysis	300.0		1			35716	09/29/22 19:56	CH	EET MID

Client Sample ID: S-4 (0.5-1')

Lab Sample ID: 880-19787-8
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	35633	09/28/22 16:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35815	10/01/22 02:56	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35856	09/30/22 20:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35756	09/30/22 08:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	35651	09/29/22 08:25	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35639	09/29/22 16:30	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	35634	09/28/22 16:54	KS	EET MID
Soluble	Analysis	300.0		1			35716	09/29/22 20:01	CH	EET MID

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

Lab Sample ID: 880-19787-9
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

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	35633	09/28/22 16:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35815	10/01/22 03:17	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35856	09/30/22 20:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35756	09/30/22 08:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	35651	09/29/22 08:25	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35639	09/29/22 16:52	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	35634	09/28/22 16:54	KS	EET MID
Soluble	Analysis	300.0		1			35716	09/29/22 20:06	CH	EET MID

Client Sample ID: S-5 (0.5-1')

Lab Sample ID: 880-19787-10
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	35633	09/28/22 16:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35815	10/01/22 03:37	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35856	09/30/22 20:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35756	09/30/22 08:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	35651	09/29/22 08:25	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35639	09/29/22 17:13	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	35634	09/28/22 16:54	KS	EET MID
Soluble	Analysis	300.0		1			35716	09/29/22 20:11	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

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

Lab Sample ID: 880-19787-11

Date Collected: 09/28/22 00:00
Matrix: Solid
Date Received: 09/28/22 16:32

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	35718	09/29/22 15:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35781	09/30/22 19:35	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35856	09/30/22 20:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35756	09/30/22 08:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	35651	09/29/22 08:25	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35639	09/29/22 17:35	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	35634	09/28/22 16:54	KS	EET MID
Soluble	Analysis	300.0		1			35716	09/29/22 20:15	CH	EET MID

Client Sample ID: S-6 (0.5-1')

Lab Sample ID: 880-19787-12

Date Collected: 09/28/22 00:00
Matrix: Solid
Date Received: 09/28/22 16:32

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	35872	10/01/22 09:43	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35873	10/01/22 12:29	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35856	09/30/22 20:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35756	09/30/22 08:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35651	09/29/22 08:25	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35639	09/29/22 17:56	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	35634	09/28/22 16:54	KS	EET MID
Soluble	Analysis	300.0		1			35716	09/29/22 20:30	CH	EET MID

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

Lab Sample ID: 880-19787-13

Date Collected: 09/28/22 00:00
Matrix: Solid
Date Received: 09/28/22 16:32

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	35872	10/01/22 09:43	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35873	10/01/22 12:50	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35856	09/30/22 20:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35756	09/30/22 08:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	35651	09/29/22 08:25	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35639	09/29/22 18:17	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	35634	09/28/22 16:54	KS	EET MID
Soluble	Analysis	300.0		1			35716	09/29/22 20:35	CH	EET MID

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

Lab Sample ID: 880-19787-14

Date Collected: 09/28/22 00:00
Matrix: Solid
Date Received: 09/28/22 16:32

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	35872	10/01/22 09:43	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35873	10/01/22 13:10	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35856	09/30/22 20:25	AJ	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

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

Lab Sample ID: 880-19787-14
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

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			35756	09/30/22 08:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	35651	09/29/22 08:25	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35639	09/29/22 18:39	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	35634	09/28/22 16:54	KS	EET MID
Soluble	Analysis	300.0		1			35716	09/29/22 20:49	CH	EET MID

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

Lab Sample ID: 880-19787-15
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

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	35872	10/01/22 09:43	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35873	10/01/22 13:31	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35856	09/30/22 20:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35756	09/30/22 08:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	35651	09/29/22 08:25	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35639	09/29/22 19:00	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	35634	09/28/22 16:54	KS	EET MID
Soluble	Analysis	300.0		1			35716	09/29/22 20:54	CH	EET MID

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

Lab Sample ID: 880-19787-16
Matrix: Solid
Date Collected: 09/28/22 00:00
Date Received: 09/28/22 16:32

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	35875	10/01/22 09:58	AJ	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	35889	10/03/22 12:41	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			35856	09/30/22 20:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			35756	09/30/22 08:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	35651	09/29/22 08:25	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	35639	09/29/22 19:22	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	35634	09/28/22 16:54	KS	EET MID
Soluble	Analysis	300.0		1			35716	09/29/22 20:59	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

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	T104704400-22-24	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: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

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	MCAWW	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

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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: Bradley 14 Federal #1 (03.08.14)

Job ID: 880-19787-1
SDG: Eddy, Co. NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-19787-1	S-1 (0-0.5')	Solid	09/28/22 00:00	09/28/22 16:32
880-19787-2	S-1 (0.5-1')	Solid	09/28/22 00:00	09/28/22 16:32
880-19787-3	S-2 (0-0.5')	Solid	09/28/22 00:00	09/28/22 16:32
880-19787-4	S-2 (0.5-1')	Solid	09/28/22 00:00	09/28/22 16:32
880-19787-5	S-3 (0-0.5')	Solid	09/28/22 00:00	09/28/22 16:32
880-19787-6	S-3 (0.5-1')	Solid	09/28/22 00:00	09/28/22 16:32
880-19787-7	S-4 (0-0.5')	Solid	09/28/22 00:00	09/28/22 16:32
880-19787-8	S-4 (0.5-1')	Solid	09/28/22 00:00	09/28/22 16:32
880-19787-9	S-5 (0-0.5')	Solid	09/28/22 00:00	09/28/22 16:32
880-19787-10	S-5 (0.5-1')	Solid	09/28/22 00:00	09/28/22 16:32
880-19787-11	S-6 (0-0.5')	Solid	09/28/22 00:00	09/28/22 16:32
880-19787-12	S-6 (0.5-1')	Solid	09/28/22 00:00	09/28/22 16:32
880-19787-13	H-1 (0-0.5')	Solid	09/28/22 00:00	09/28/22 16:32
880-19787-14	H-2 (0-0.5')	Solid	09/28/22 00:00	09/28/22 16:32
880-19787-15	H-3 (0-0.5')	Solid	09/28/22 00:00	09/28/22 16:32
880-19787-16	H-4 (0-0.5')	Solid	09/28/22 00:00	09/28/22 16:32

Chain of Custody

Work Order No: 19787

Page 1 of 2

Project Manager:	Ashton Thielke	Bill to. (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name.	Cimarex Energy
Address.	310 West Wall Ste 415	Address.	600 N Marienfield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland TX 79701
Phone.	432-813-5347	Email:	laci luig@coterra com

Work Order Comments

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

State of Project.

Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name:	Bradley 14 Federal #1 (03 08 14)	Turn Around	
Project Number:	1134	☐ Routine ☑ Rush	
Project Location	Eddy Co, NM	Due Date	48 Hours
Sampler's Name:	AT	TAT starts the day received by the lab if received by 4 30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank.	Yes No	Wet Ice	Yes No
Received Intact:	Yes No	Thermometer ID	IR28
Cooler Custody Seals.	Yes No N/A	Correction Factor:	0.0
Sample Custody Seals.	Yes No N/A	Temperature Reading:	4.7
Total Containers:		Corrected Temperature.	4.9

ANALYSIS REQUEST

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	HOLD	Sample Comments
S-1 (0-0 5')	9/28/2022		X		Grab	1		X	X	X		
S-1 (0 5-1')	9/28/2022		X		Grab	1		X	X	X		
S-2 (0-0 5')	9/28/2022		X		Grab	1		X	X	X		
S-2 (0 5-1')	9/28/2022		X		Grab	1		X	X	X		
S-3 (0-0 5')	9/28/2022		X		Grab	1		X	X	X		
S-3 (0 5-1')	9/28/2022		X		Grab	1		X	X	X		
S-4 (0-0 5')	9/28/2022		X		Grab	1		X	X	X		
S-4 (0 5-1')	9/28/2022		X		Grab	1		X	X	X		
S-5 (0-0 5')	9/28/2022		X		Grab	1		X	X	X		
S-5 (0 5-1')	9/28/2022		X		Grab	1		X	X	X		

880-19787 Chain of Custody

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		9/28/22 1632	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020 1

Chain of Custody

Work Order No: 19787

Page 2 of 2

Project Manager	Ashton Thielke	Bill to. (if different)	Laci Luig
Company Name	Carmona Resources	Company Name.	Cimarex Energy
Address	310 West Wall Ste 415	Address.	600 N Marienfield St Suite 600
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland TX 79701
Phone:	432-813-5347	Email	laci luig@coterra com

Work Order Comments

Program UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ uperfund ☐

State of Project.

Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other

Project Name:	Bradley 14 Federal #1 (03 08 14)	Turn Around	
Project Number	1134	☐ Routine	☑ Rush
Project Location	Eddy Co, NM	Due Date	48 Hours
Sampler's Name:	AT	TAT starts the day received by the lab if received by 4 30pm	
PO #:			

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

Preservative Codes

None NO — DI Water H_2O

Cool Cool — MeOH Me

HCL HC — HNO_3 HN

H_2S0_4 H_2 — NaOH Na

H_3PO_4 HP

$NaHSO_4$ NABIS

$Na_2S_2O_3$ $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	HOLD	Sample Comments
S-6 (0-0 5')	9/28/2022		X		Grab	1		X	X	X		
S-6 (0 5-1')	9/28/2022		X		Grab	1		X	X	X		
H-1 (0-0 5')	9/28/2022		X		Grab	1		X	X	X		
H-2 (0-0 5')	9/28/2022		X		Grab	1		X	X	X		
H-3 (0-0 5')	9/28/2022		X		Grab	1		X	X	X		
H-4 (0-0 5')	9/28/2022		X		Grab	1		X	X	X		

Loc: 880
19787

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1		9/28/22	2		
3		1632	4		
5			6		

Revised Date 05012020 Rev 2020 1

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-19787-1
SDG Number: Eddy, Co. NM

Login Number: 19787
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 149958

CONDITIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 600 N. Marienfeld Street Midland, TX 79701	OGRID: 162683
	Action Number: 149958
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bhall	None	1/19/2023