CARMONA RESOURCES

SITE INFORMATION

Closure Report
SRO State Com 031H (02.21.2022)
Incident #: NAPP2206947126
Eddy County, New Mexico
Unit G Sec 04 T26S R28E
32.0743°, -104.0902°

Crude Oil Release
Point of Release: Flare fire due to equipment malfunction
Release Date: 02/21/2022
Volume Released: 0.519 barrel of Crude Oil
Volume Recovered: 0 barrels of Crude Oil

CARMONA RESOURCES

Prepared for:
Concho Operating, LLC
15 West London Road
Loving, New Mexico 88256

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

June 1, 2022

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

Re: Closure Report
SRO State Unit 31H (02.21.22)
Concho Operating, LLC
Incident ID: NAPP2206947126
Site Location: Unit G, S04, T26S, R28E
(Lat 32.0743º, Long -104.0902º)
Eddy County, New Mexico

Mr.Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site activities for SRO State Unit 31H (02.21.2022). The site is located at 32.0743º -104.0902º within Unit G, S04, T26S, R28E, 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 release was discovered on February 21, 2022, due to the free water knockout sending fluids to the flare, causing a fire. It resulted in approximately zero point five hundred nineteen (0.519) barrels of crude oil being released, and Zero (0) barrels were recovered. See figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a 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 closest well is approximately 1.45 miles North of the site in S28, T25S, R28E and was drilled in 1965. The well has a reported depth to groundwater of 90' feet below ground surface (ft bgs) 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).
- Chloride: 600 mg/kg

4.0 Site Assessment Activities

On March 9, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of six (6) sample points were advanced to depths ranging from the

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

CARMONA RESOURCES

surface to 1.5' bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figure 3 for the soil sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. See Table 1 for the analytical results.

Refer to Table 1.

5.0 Remediation Activities

Carmona Resources personnel were on site on March 29, 2022, to supervise the remediation activities and collect confirmation samples. The areas were excavated to 1.5' bgs to remove all impacted soils.

A total of five (5) confirmation floor samples were collected (CS-1 through CS-5), and four (4) sidewall samples (SW-1 through SW-4) were collected every 200 square feet to ensure proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The results of the sampling are summarized in Table 2. The excavation depths and confirmation sample locations are shown in Figure 4.

All the final confirmation samples were below the 19.15.29.12 NMAC criteria. Refer to Table 2.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 20 cubic yards of material were excavated and transported offsite for proper disposal

6.0 Conclusions

Based on the assessment finding and the analytical results, no further actions are required at the site. The final C-141 is attached, and COG formally requests closure of the spill. If you have any questions regarding this report or need additional information, don't hesitate to contact us at 432-813-1992.

Sincerely,
Carmona Resources, LLC

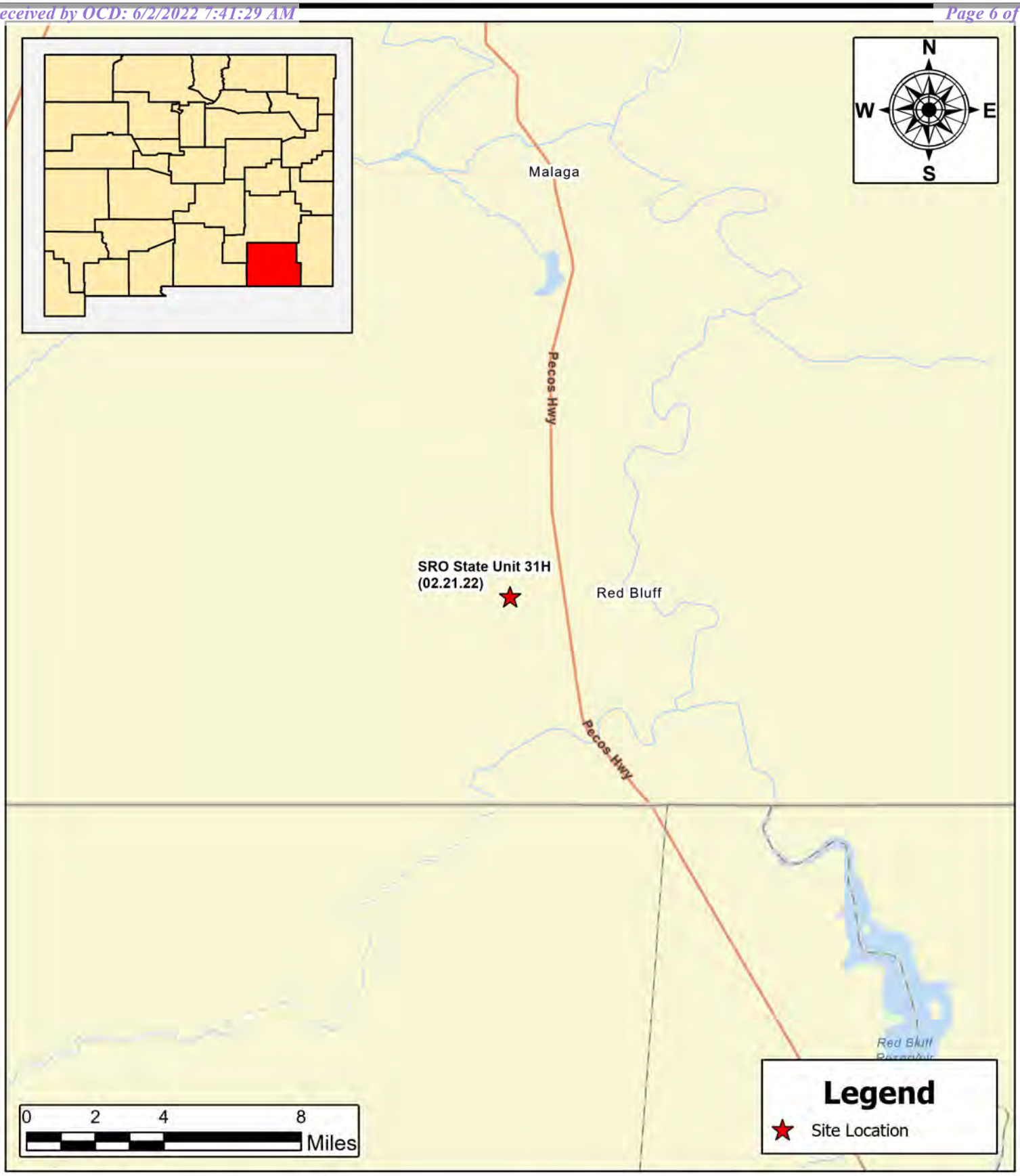
Mike Carmona
Environmental Manager

Conner Moehring
Sr. Project Manager

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

FIGURES

CARMONA RESOURCES



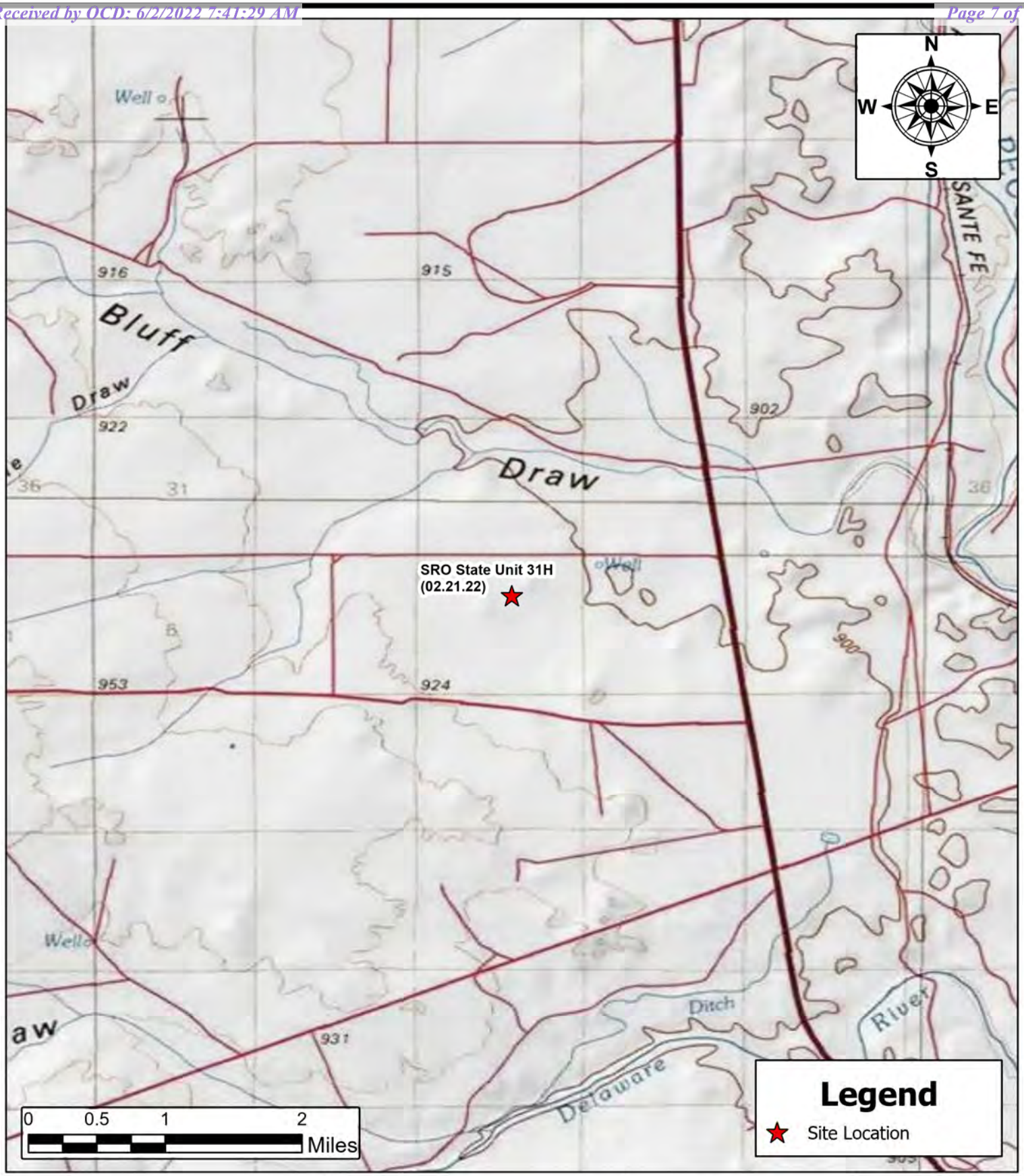
SITE LOCATION MAP
COG OPERATING
SRO STATE UNIT 31H (02.21.22)
EDDY COUNTY, NEW MEXICO
32.0743, -104.0902

SCALE: As Shown | Project #: 1027 | Date: 3/29/2022

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

NOTES:
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:
FIGURE 1
SHEET NUMBER:
1 of 1



SITE LOCATION MAP
COG OPERATING
SRO STATE UNIT 31H (02.21.22)
EDDY COUNTY, NEW MEXICO
32.0743, -104.0902

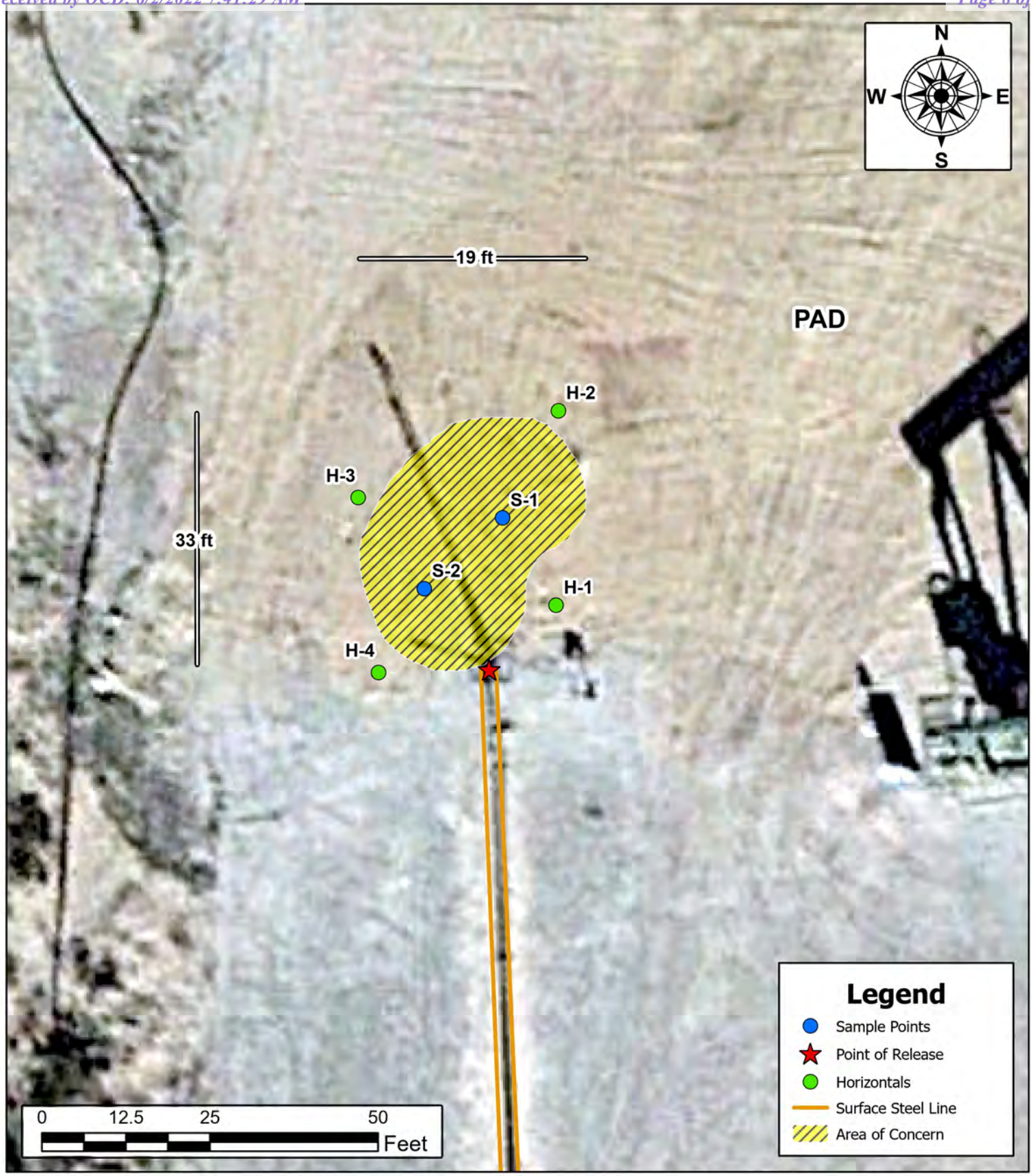
SCALE: As Shown	Project #: 1027	Date: 3/29/2022

CARMONA RESOURCES

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

NOTES:
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:
FIGURE 2
SHEET NUMBER:
1 of 1



SITE LOCATION MAP
COG OPERATING
SRO STATE UNIT 31H (02.21.22)
EDDY COUNTY, NEW MEXICO
32.0743, -104.0902

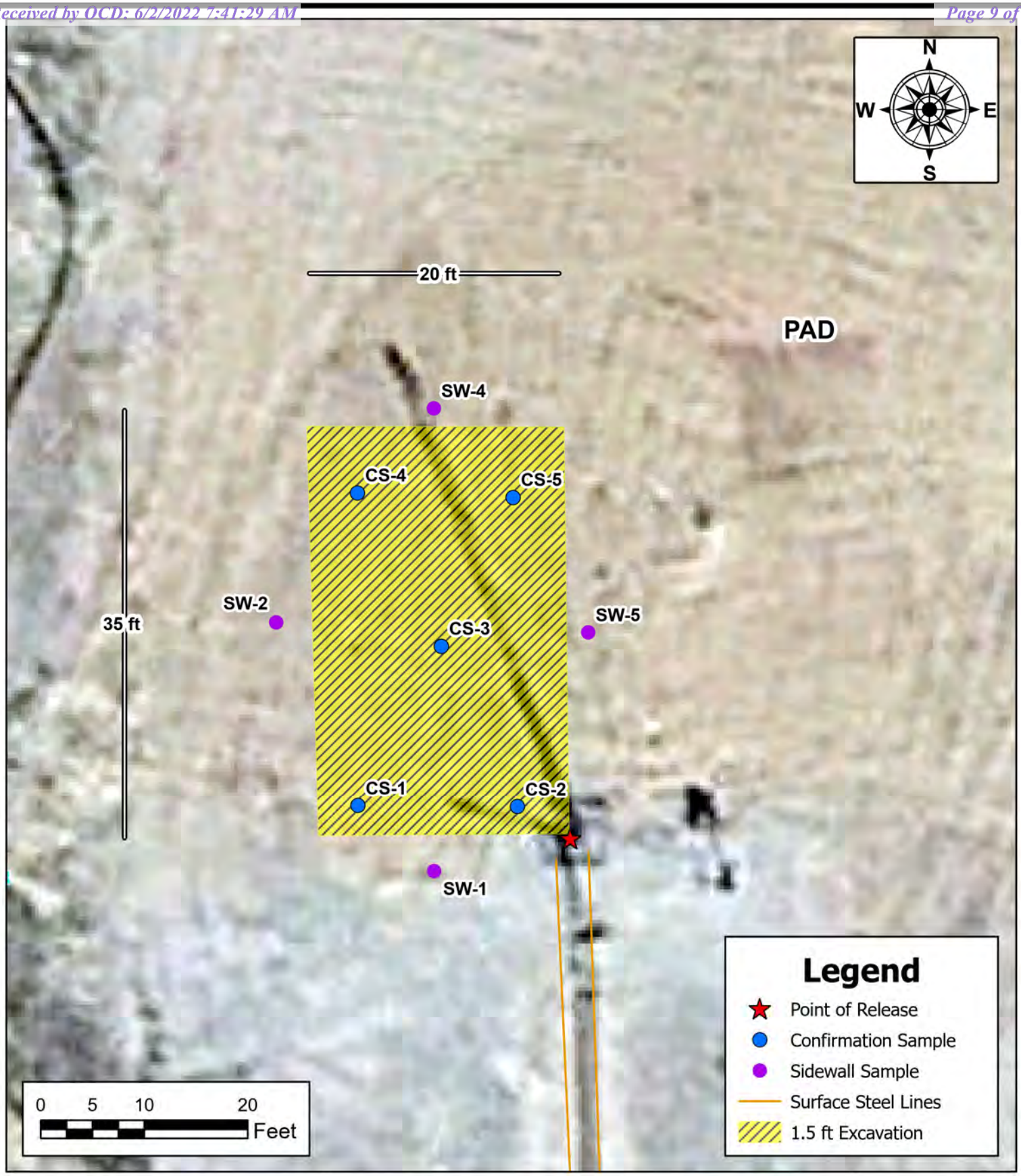
SCALE: As Shown | Project #: 1027 | Date: 3/29/2022

CARMONA RESOURCES

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

NOTES:
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:
FIGURE 3
SHEET NUMBER:
1 of 1



SITE LOCATION MAP
COG OPERATING
SRO STATE UNIT 31H (02.21.22)
EDDY COUNTY, NEW MEXICO
32.0743, -104.0902

SCALE: As Shown | Project #: 1027 | Date: 3/29/2022

CARMONA RESOURCES

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

NOTES:
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:
FIGURE 4
SHEET NUMBER:
1 of 1

APPENDIX A

CARMONA RESOURCES

Table 1
COG
SRO State Unit 31H (02.21.22)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	3/9/2022	0 - 0.25	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	337
	"	0.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	375
	"	1.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	524
S-2	3/9/2022	0 - 0.25	**293**	**636**	<49.9	**929**	<0.00201	0.26500	0.24100	9.93	10.4	57.1
	"	0.5	<49.8	73.6	<49.8	73.6	<0.00199	0.00382	0.00444	0.0234	0.0317	72.0
	"	1.0	<50.0	**102**	<50.0	**102**	<0.00198	<0.00198	<0.00198	0.00279	<0.00396	211
	"	1.5	<49.9	54.9	<49.9	54.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	283
H-1	3/9/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	6.54
H-2	3/9/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<5.00
H-3	3/9/2022	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.95
H-4	3/9/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	7.33
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

Removed

Table 2
COG
SRO State Unit 31H (02.21.22)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	3/29/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-2	3/29/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-3	3/29/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-4	3/29/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-5	3/29/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-1	3/29/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-2	3/29/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-3	3/29/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-4	3/29/2022	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Regulatory Criteria [A]						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

[A] – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(CS) Confirmation Sample

(SW) Sidewall

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 1

Facility: SRO State Unit 31H (02.21.22)

County: Eddy County, New Mexico

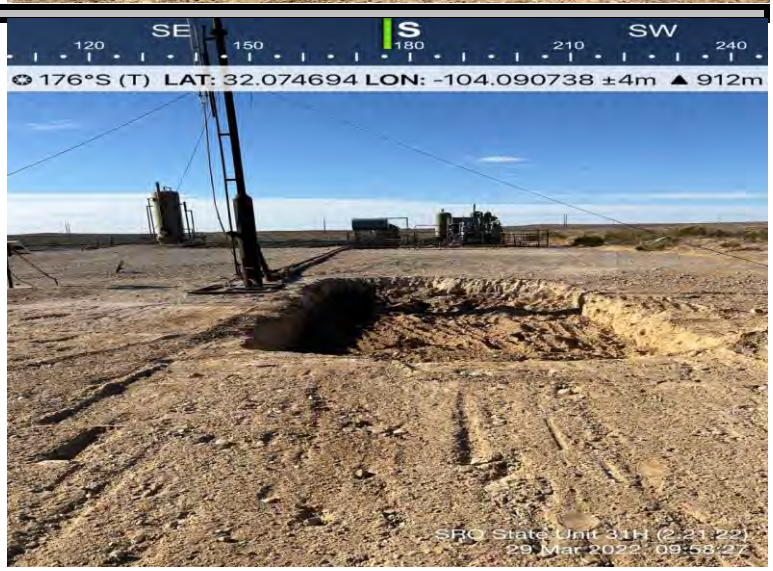
Description:
View Northeast, area sample points (1-2).

Photograph No. 2

Facility: SRO State Unit 31H (02.21.22)

County: Eddy County, New Mexico

Description:
View South, Excavated area



Photograph No. 3

Facility: SRO State Unit 31H (02.21.22)

County: Eddy County, New Mexico

Description:
View Southwest, Excavated area

CARMONA RESOURCES

APPENDIX C

CARMONA RESOURCES

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

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

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

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

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

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

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

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

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

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

L48 Spill Volume Estimate Form

Facility Name & Number:	SRO 31H ST UT 31H
Asset Area:	
Release Discovery Date & Time:	09/01/2021 1:00 P.M.
Release Type:	Oil Mixture
Provide any known details about the event:	

Spill Calculation - On Pad Surface Pool Spill

Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Deepest point in each of the areas (in.)	No. of boundaries of "shore" in each area	Estimated *Pool* Area (sq. ft.)	Estimated Average Depth (ft.)	Estimated volume of each pool area (bbl.)	Penetration allowance (ft.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
Rectangle A	20.0	20.0	0.35	4	400.000	0.007	0.519	0.000	0.519	100.00%	0.519	0.000
Rectangle B					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle C					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle D					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle E					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle F					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle G					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle H					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle I					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle J					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
								Total Volume Release:	0.519		0.519	0.000

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Jacqui Harris _____ Date: 6/1/22

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: Jacqui Harris Date: 6/1/22

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Reply | Reply all | Forward | Archive | Delete | Set flag | ...

COG SRO State Unit 31H (02.21.22) 48 Hour Sampling Notification

MC **Mike Carmona <Mcarmona@carmonaresources.com>**
8:21 AM

To: OCD.Enviro@state.nm.us Cc: Harris, Jacqui; Conner Moehring Bcc: Clint Merritt

Good morning,

On behalf of COG, Carmona Resources will be collecting confirmation samples at the below-referenced site for the at-risk remediation on 03/29/2022 at 4:30 p.m. Mountain Time. Please let me know if you have any questions.

COG SRO State Unit 31H (02.21.22)
Sec 4 T26S R28E Unit G
32.0743°, -104.0902°
Eddy County, New Mexico

Mike J. Carmona
310 West Wall Street, Suite 415
Midland TX, 79701
M: 432-813-1992
Mcarmona@carmonaresources.com

CARMONA RESOURCES

APPENDIX D

CARMONA RESOURCES

Nearest Water Well

COG Operating

90' - Drilled 1965

US Hwy 285

SRO State Unit 31H (02.21.22)

120' - Drilled 1961

Legend

- 0.50 Mile Radius
- 1.45 Miles
- 1.96 Miles
- NMSEO Water Well
- SRO State Unit 31H (02.21.22)

N

5000 ft

MEDIUM KARST

COG Operating

Legend

MEDIUM

SRO State Unit 31H (02.21.22)

722

285

SRO State Unit 31H (02.21.22)

Google Earth

1 mi

N

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

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

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

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

POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 01668	CUB	ED		3	3	12	26S	28E	589957	3546554*	250	100	150
C 02160	CUB	ED	4	1	2	14	26S	28E	589243	3546044*	300	120	180
C 02160 S	CUB	ED	1	1	2	14	26S	28E	589043	3546244*	300	120	180
C 02160 S2	CUB	ED	1	1	2	14	26S	28E	589043	3546244*	300	120	180
C 02160 S3	CUB	ED	2	2	1	14	26S	28E	588834	3546241*	300	120	180
C 02160 S4	CUB	ED	2	2	1	14	26S	28E	588834	3546241*	300	120	180
C 02160 S5	CUB	ED	1	1	1	14	26S	28E	588225	3546237*	300	120	180
C 02160 S6	CUB	ED	3	3	1	14	26S	28E	588232	3545635*	300	120	180
C 02160 S7	CUB	ED	3	3	1	22	26S	28E	586638	3543998*	300	120	180
C 02160 S8	CUB	ED	2	3	3	12	26S	28E	590056	3546653*	200	120	80
C 02160 S9	CUB	ED	3	3	2	02	26S	28E	589020	3548868*	300	120	180
C 02477	CUB	ED		1	1	03	26S	28E	586687	3549347*	150		
C 02478	CUB	ED		2	1	05	26S	28E	583848	3549325*	100		
C 02479	CUB	ED		4	4	10	26S	28E	587909	3546534*	200		
C 02480	CUB	ED		4	4	10	26S	28E	587909	3546534*	150		
C 02481	CUB	ED		1	1	14	26S	28E	588326	3546138*	200		
C 02894	C	ED	2	2	3	12	26S	28E	590458	3547061*	240		
C 02924	C	ED	1	3	2	11	26S	28E	589032	3547451*			
C 04022 POD1	CUB	ED	4	4	2	15	26S	28E	588082	3545647	220	175	45
C 04022 POD2	CUB	ED	2	2	2	27	26S	28E	588106	3543082	250	145	105
C 04466 POD1	CUB	ED	3	3	2	29	26S	28E	584327	3542357	96	33	63

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

Average Depth to Water: **118 feet**

Minimum Depth: **33 feet**

Maximum Depth: **175 feet**

Record Count: 21

PLSS Search:

Township: 26S **Range:** 28E

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 01278		4	3	28	25S	28E	585470	3551338*

Driller License: 46 **Driller Company:** ABBOTT BROTHERS COMPANY

Driller Name: ABBOTT, MUNELL

Drill Start Date: 04/04/1965 **Drill Finish Date:** 04/08/1965 **Plug Date:**

Log File Date: 05/27/1965 **PCW Rcv Date:** **Source:**

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: **Depth Well:** 205 feet **Depth Water:** 90 feet

Water Bearing Stratifications:	Top	Bottom	Description
	105	110	Sandstone/Gravel/Conglomerate

***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 02160 S9	3	3	2	02	26S	28E	589020	3548868*

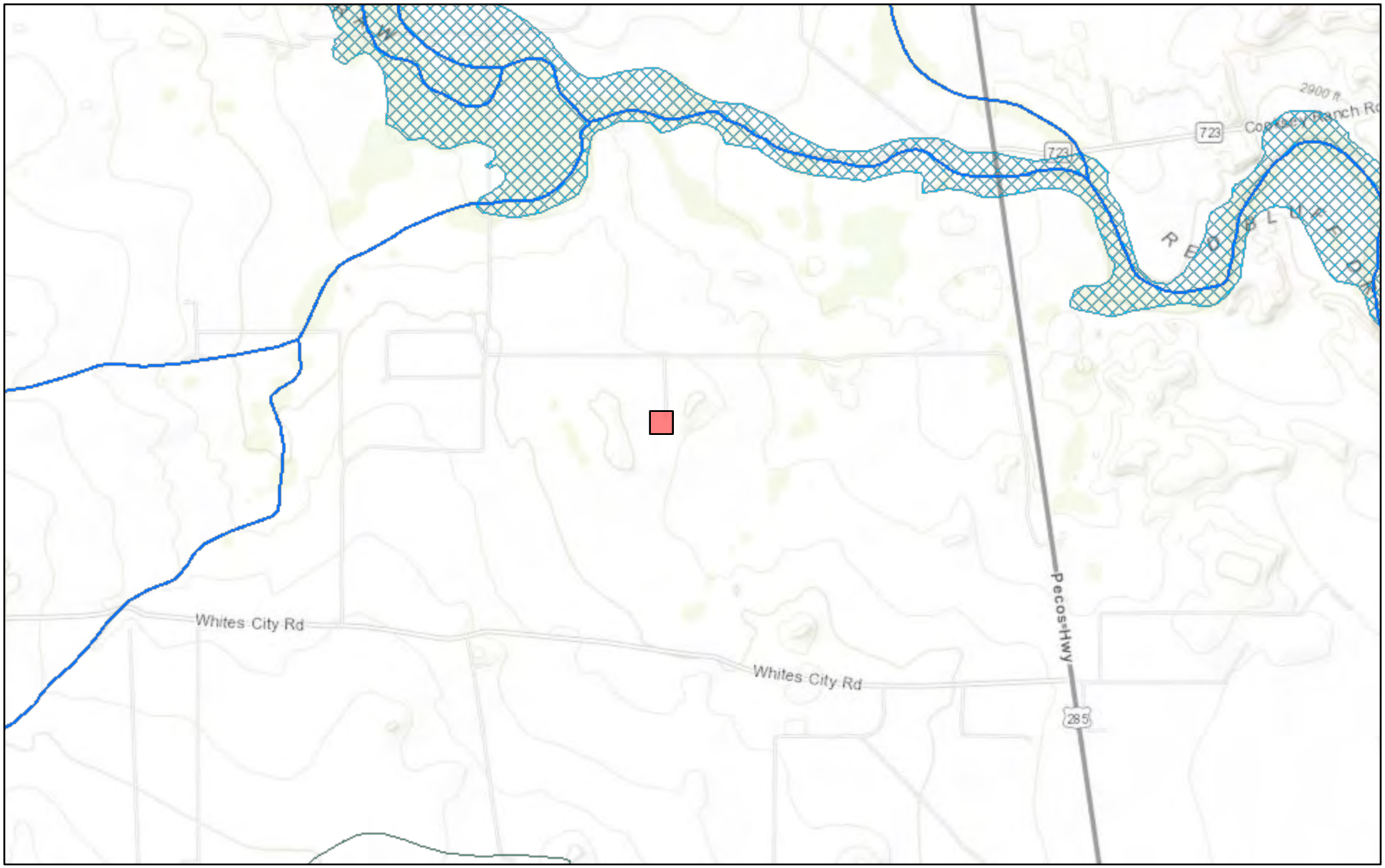
Driller License: **Driller Company:**

Driller Name: HEMLER

Drill Start Date:		**Drill Finish Date:**	06/01/1961	**Plug Date:**	
Log File Date:		**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:		**Depth Well:**	300 feet	**Depth Water:**	120 feet

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

New Mexico NFHL Data



March 6, 2022

1:36,112

0 0.25 0.5 1 mi

0 0.4 0.8 1.6 km

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

nmflood.org is made possible through a collaboration with NMDHSEM,

This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.

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: 880-12271-1
Laboratory Sample Delivery Group: Eddy Co NM
Client Project/Site: SRO State Unit 31H (02.21.22)

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

Attn: Conner Moehring

JKramer

Authorized for release by:
3/16/2022 8:37:27 AM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.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: SRO State Unit 31H (02.21.22)

Laboratory Job ID: 880-12271-1
SDG: Eddy Co NM

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: SRO State Unit 31H (02.21.22)

Job ID: 880-12271-1
SDG: Eddy Co NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: SRO State Unit 31H (02.21.22)

Job ID: 880-12271-1
SDG: Eddy Co NM

Job ID: 880-12271-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-12271-1

Receipt
The samples were received on 3/10/2022 10:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.0°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-21147, 880-21012 and 880-21146 and analytical batch 880-21440 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.

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

GC Semi VOA
Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-21325 and analytical batch 880-21446 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28)

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-21323 and analytical batch 880-21431 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.

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-21304 and analytical batch 880-21617 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Unit 31H (02.21.22)

Job ID: 880-12271-1
SDG: Eddy Co NM

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

Lab Sample ID: 880-12271-1
Matrix: Solid
Date Collected: 03/09/22 00:00
Date Received: 03/10/22 10:15

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		03/10/22 16:00	03/12/22 23:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/10/22 16:00	03/12/22 23:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/10/22 16:00	03/12/22 23:55	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/10/22 16:00	03/12/22 23:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/10/22 16:00	03/12/22 23:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/10/22 16:00	03/12/22 23:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*03/10/22 16:00*	*03/12/22 23:55*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*03/10/22 16:00*	*03/12/22 23:55*	*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			03/13/22 12:01	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			03/14/22 09:02	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		03/10/22 13:52	03/12/22 18:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/10/22 13:52	03/12/22 18:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/10/22 13:52	03/12/22 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*03/10/22 13:52*	*03/12/22 18:00*	*1*
o-Terphenyl	*136*	*S1+*	*70 - 130*	*03/10/22 13:52*	*03/12/22 18:00*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**337**	**F1**	4.99		mg/Kg			03/15/22 14:43	1

Client Sample ID: S-1 (6")

Lab Sample ID: 880-12271-2
Matrix: Solid
Date Collected: 03/09/22 00:00
Date Received: 03/10/22 10:15

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		03/10/22 16:00	03/13/22 00:16	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/10/22 16:00	03/13/22 00:16	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/10/22 16:00	03/13/22 00:16	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/10/22 16:00	03/13/22 00:16	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/10/22 16:00	03/13/22 00:16	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/10/22 16:00	03/13/22 00:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*03/10/22 16:00*	*03/13/22 00:16*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*03/10/22 16:00*	*03/13/22 00:16*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Unit 31H (02.21.22)

Job ID: 880-12271-1
SDG: Eddy Co NM

Client Sample ID: S-1 (6")

Date Collected: 03/09/22 00:00
Date Received: 03/10/22 10:15

Lab Sample ID: 880-12271-2
Matrix: Solid

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			03/13/22 12:01	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			03/14/22 09:02	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		03/10/22 13:52	03/12/22 18:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/10/22 13:52	03/12/22 18:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/10/22 13:52	03/12/22 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*03/10/22 13:52*	*03/12/22 18:21*	*1*
o-Terphenyl	*116*		*70 - 130*	*03/10/22 13:52*	*03/12/22 18:21*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**375**		5.00		mg/Kg			03/15/22 15:10	1

Client Sample ID: S-1 (12")

Date Collected: 03/09/22 00:00
Date Received: 03/10/22 10:15

Lab Sample ID: 880-12271-3
Matrix: Solid

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		03/10/22 16:00	03/13/22 00:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/10/22 16:00	03/13/22 00:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/10/22 16:00	03/13/22 00:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/10/22 16:00	03/13/22 00:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/10/22 16:00	03/13/22 00:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/10/22 16:00	03/13/22 00:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*03/10/22 16:00*	*03/13/22 00:36*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*03/10/22 16:00*	*03/13/22 00:36*	*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			03/13/22 12:01	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			03/14/22 09:02	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		03/10/22 13:52	03/12/22 18:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/10/22 13:52	03/12/22 18:42	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Unit 31H (02.21.22)

Job ID: 880-12271-1
SDG: Eddy Co NM

Client Sample ID: S-1 (12")

Date Collected: 03/09/22 00:00
Date Received: 03/10/22 10:15

Lab Sample ID: 880-12271-3
Matrix: Solid

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		03/10/22 13:52	03/12/22 18:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*03/10/22 13:52*	*03/12/22 18:42*	*1*
o-Terphenyl	*128*		*70 - 130*	*03/10/22 13:52*	*03/12/22 18:42*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**524**		49.8		mg/Kg			03/15/22 00:03	10

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

Date Collected: 03/09/22 00:00
Date Received: 03/10/22 10:15

Lab Sample ID: 880-12271-4
Matrix: Solid

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		03/10/22 16:00	03/13/22 00:56	1
Toluene	**0.265**		0.00201		mg/Kg		03/10/22 16:00	03/13/22 00:56	1
Ethylbenzene	**0.241**		0.00201		mg/Kg		03/10/22 16:00	03/13/22 00:56	1
m-Xylene & p-Xylene	**7.50**		0.0798		mg/Kg		03/13/22 12:58	03/14/22 01:25	20
o-Xylene	**2.43**		0.0399		mg/Kg		03/13/22 12:58	03/14/22 01:25	20
Xylenes, Total	**9.93**		0.0798		mg/Kg		03/13/22 12:58	03/14/22 01:25	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*03/10/22 16:00*	*03/13/22 00:56*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*03/10/22 16:00*	*03/13/22 00:56*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**10.4**		0.0798		mg/Kg			03/13/22 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**929**		49.9		mg/Kg			03/14/22 09:02	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	**293**		49.9		mg/Kg		03/10/22 13:52	03/12/22 19:03	1
Diesel Range Organics (Over C10-C28)	**636**		49.9		mg/Kg		03/10/22 13:52	03/12/22 19:03	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/10/22 13:52	03/12/22 19:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*03/10/22 13:52*	*03/12/22 19:03*	*1*
o-Terphenyl	*107*		*70 - 130*	*03/10/22 13:52*	*03/12/22 19:03*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**57.1**		4.95		mg/Kg			03/15/22 15:19	1

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Unit 31H (02.21.22)

Job ID: 880-12271-1
SDG: Eddy Co NM

Client Sample ID: S-2 (6")

Lab Sample ID: 880-12271-5
Matrix: Solid
Date Collected: 03/09/22 00:00
Date Received: 03/10/22 10:15

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		03/10/22 16:00	03/13/22 01:17	1
Toluene	**0.00382**		0.00199		mg/Kg		03/10/22 16:00	03/13/22 01:17	1
Ethylbenzene	**0.00444**		0.00199		mg/Kg		03/10/22 16:00	03/13/22 01:17	1
m-Xylene & p-Xylene	**0.0149**		0.00398		mg/Kg		03/10/22 16:00	03/13/22 01:17	1
o-Xylene	**0.00853**		0.00199		mg/Kg		03/10/22 16:00	03/13/22 01:17	1
Xylenes, Total	**0.0234**		0.00398		mg/Kg		03/10/22 16:00	03/13/22 01:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*03/10/22 16:00*	*03/13/22 01:17*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*03/10/22 16:00*	*03/13/22 01:17*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0317**		0.00398		mg/Kg			03/13/22 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**73.6**		49.8		mg/Kg			03/14/22 09:02	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		03/10/22 13:52	03/12/22 19:24	1
Diesel Range Organics (Over C10-C28)	**73.6**		49.8		mg/Kg		03/10/22 13:52	03/12/22 19:24	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/10/22 13:52	03/12/22 19:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*03/10/22 13:52*	*03/12/22 19:24*	*1*
o-Terphenyl	*108*		*70 - 130*	*03/10/22 13:52*	*03/12/22 19:24*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**72.0**		5.00		mg/Kg			03/15/22 15:28	1

Client Sample ID: S-2 (12")

Lab Sample ID: 880-12271-6
Matrix: Solid
Date Collected: 03/09/22 00:00
Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/10/22 16:00	03/13/22 01:37	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/10/22 16:00	03/13/22 01:37	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/10/22 16:00	03/13/22 01:37	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/10/22 16:00	03/13/22 01:37	1
o-Xylene	**0.00279**		0.00198		mg/Kg		03/10/22 16:00	03/13/22 01:37	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/10/22 16:00	03/13/22 01:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*03/10/22 16:00*	*03/13/22 01:37*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*03/10/22 16:00*	*03/13/22 01:37*	*1*

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Unit 31H (02.21.22)

Job ID: 880-12271-1
SDG: Eddy Co NM

Client Sample ID: S-2 (12")

Date Collected: 03/09/22 00:00
Date Received: 03/10/22 10:15

Lab Sample ID: 880-12271-6

Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/13/22 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**102**		50.0		mg/Kg			03/14/22 09:02	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		03/10/22 13:52	03/12/22 19:45	1
Diesel Range Organics (Over C10-C28)	**102**		50.0		mg/Kg		03/10/22 13:52	03/12/22 19:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/10/22 13:52	03/12/22 19:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*03/10/22 13:52*	*03/12/22 19:45*	*1*
o-Terphenyl	*116*		*70 - 130*	*03/10/22 13:52*	*03/12/22 19:45*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**211**		4.98		mg/Kg			03/15/22 15:36	1

Client Sample ID: S-2 (18")

Date Collected: 03/09/22 00:00
Date Received: 03/10/22 10:15

Lab Sample ID: 880-12271-7

Matrix: Solid

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		03/10/22 16:00	03/13/22 01:58	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/10/22 16:00	03/13/22 01:58	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/10/22 16:00	03/13/22 01:58	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/10/22 16:00	03/13/22 01:58	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/10/22 16:00	03/13/22 01:58	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/10/22 16:00	03/13/22 01:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*03/10/22 16:00*	*03/13/22 01:58*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*03/10/22 16:00*	*03/13/22 01:58*	*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			03/13/22 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**54.9**		49.9		mg/Kg			03/14/22 09:02	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		03/10/22 13:52	03/12/22 20:06	1
Diesel Range Organics (Over C10-C28)	**54.9**		49.9		mg/Kg		03/10/22 13:52	03/12/22 20:06	1

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Unit 31H (02.21.22)

Job ID: 880-12271-1
SDG: Eddy Co NM

Client Sample ID: S-2 (18")

Lab Sample ID: 880-12271-7
Matrix: Solid
Date Collected: 03/09/22 00:00
Date Received: 03/10/22 10:15

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		03/10/22 13:52	03/12/22 20:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*03/10/22 13:52*	*03/12/22 20:06*	*1*
o-Terphenyl	*101*		*70 - 130*	*03/10/22 13:52*	*03/12/22 20:06*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**283**		4.97		mg/Kg			03/15/22 15:45	1

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

Lab Sample ID: 880-12271-8
Matrix: Solid
Date Collected: 03/09/22 00:00
Date Received: 03/10/22 10:15

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		03/10/22 16:00	03/13/22 03:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/10/22 16:00	03/13/22 03:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/10/22 16:00	03/13/22 03:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/10/22 16:00	03/13/22 03:18	1
o-Xylene	**0.00345**		0.00200		mg/Kg		03/10/22 16:00	03/13/22 03:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/10/22 16:00	03/13/22 03:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/10/22 16:00*	*03/13/22 03:18*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*03/10/22 16:00*	*03/13/22 03:18*	*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			03/13/22 12:01	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			03/14/22 09:02	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		03/10/22 13:52	03/12/22 20:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/10/22 13:52	03/12/22 20:28	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/10/22 13:52	03/12/22 20:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*03/10/22 13:52*	*03/12/22 20:28*	*1*
o-Terphenyl	*93*		*70 - 130*	*03/10/22 13:52*	*03/12/22 20:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.54**		4.96		mg/Kg			03/15/22 01:05	1

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Unit 31H (02.21.22)

Job ID: 880-12271-1
SDG: Eddy Co NM

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

Lab Sample ID: 880-12271-9
Matrix: Solid
Date Collected: 03/09/22 00:00
Date Received: 03/10/22 10:15

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		03/10/22 16:00	03/13/22 03:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/10/22 16:00	03/13/22 03:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/10/22 16:00	03/13/22 03:38	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/10/22 16:00	03/13/22 03:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/10/22 16:00	03/13/22 03:38	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/10/22 16:00	03/13/22 03:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*03/10/22 16:00*	*03/13/22 03:38*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*03/10/22 16:00*	*03/13/22 03:38*	*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			03/13/22 12:01	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			03/14/22 09:02	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		03/10/22 13:52	03/12/22 20:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/10/22 13:52	03/12/22 20:49	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/10/22 13:52	03/12/22 20:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*03/10/22 13:52*	*03/12/22 20:49*	*1*
o-Terphenyl	*81*		*70 - 130*	*03/10/22 13:52*	*03/12/22 20:49*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			03/15/22 01:14	1

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

Lab Sample ID: 880-12271-10
Matrix: Solid
Date Collected: 03/09/22 00:00
Date Received: 03/10/22 10:15

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		03/10/22 16:00	03/13/22 03:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/10/22 16:00	03/13/22 03:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/10/22 16:00	03/13/22 03:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/10/22 16:00	03/13/22 03:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/10/22 16:00	03/13/22 03:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/10/22 16:00	03/13/22 03:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*03/10/22 16:00*	*03/13/22 03:59*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*03/10/22 16:00*	*03/13/22 03:59*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Unit 31H (02.21.22)

Job ID: 880-12271-1
SDG: Eddy Co NM

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

Lab Sample ID: 880-12271-10
Matrix: Solid
Date Collected: 03/09/22 00:00
Date Received: 03/10/22 10:15

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			03/13/22 12:01	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			03/14/22 09:02	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		03/10/22 13:52	03/12/22 21:11	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/10/22 13:52	03/12/22 21:11	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/10/22 13:52	03/12/22 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*03/10/22 13:52*	*03/12/22 21:11*	*1*
o-Terphenyl	*90*		*70 - 130*	*03/10/22 13:52*	*03/12/22 21:11*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95		mg/Kg			03/15/22 01:23	1

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

Lab Sample ID: 880-12271-11
Matrix: Solid
Date Collected: 03/09/22 00:00
Date Received: 03/10/22 10:15

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		03/11/22 16:00	03/13/22 08:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 08:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 08:58	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/11/22 16:00	03/13/22 08:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 08:58	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/11/22 16:00	03/13/22 08:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*03/11/22 16:00*	*03/13/22 08:58*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*03/11/22 16:00*	*03/13/22 08:58*	*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			03/13/22 12:01	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			03/14/22 09:02	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		03/10/22 14:09	03/14/22 03:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		03/10/22 14:09	03/14/22 03:45	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Unit 31H (02.21.22)

Job ID: 880-12271-1
SDG: Eddy Co NM

Client Sample ID: H-4 (0-0.5")
Date Collected: 03/09/22 00:00
Date Received: 03/10/22 10:15

Lab Sample ID: 880-12271-11
Matrix: Solid

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		03/10/22 14:09	03/14/22 03:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*03/10/22 14:09*	*03/14/22 03:45*	*1*
o-Terphenyl	*100*		*70 - 130*	*03/10/22 14:09*	*03/14/22 03:45*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.33		4.99		mg/Kg			03/15/22 02:34	1

Surrogate Summary

Client: Carmona Resources
Project/Site: SRO State Unit 31H (02.21.22)

Job ID: 880-12271-1
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)
880-12263-A-1-H MS	Matrix Spike	112	95
880-12263-A-1-I MSD	Matrix Spike Duplicate	2911 S1+	176 S1+
880-12270-A-1-A MS	Matrix Spike	111	92
880-12270-A-1-B MSD	Matrix Spike Duplicate	107	103
880-12271-1	S-1 (0-3")	106	101
880-12271-2	S-1 (6")	113	104
880-12271-3	S-1 (12")	93	105
880-12271-4	S-2 (0-3")	105	77
880-12271-5	S-2 (6")	114	97
880-12271-6	S-2 (12")	104	99
880-12271-7	S-2 (18")	106	101
880-12271-8	H-1 (0-0.5")	98	96
880-12271-9	H-2 (0-0.5")	110	103
880-12271-10	H-3 (0-0.5")	105	93
880-12271-11	H-4 (0-0.5")	103	100
880-12320-A-1-C MS	Matrix Spike	97	93
880-12320-A-1-D MSD	Matrix Spike Duplicate	113	95
LCS 880-21012/1-A	Lab Control Sample	96	99
LCS 880-21146/1-A	Lab Control Sample	94	98
LCS 880-21147/1-A	Lab Control Sample	100	102
LCSD 880-21012/2-A	Lab Control Sample Dup	102	103
LCSD 880-21146/2-A	Lab Control Sample Dup	97	101
LCSD 880-21147/2-A	Lab Control Sample Dup	102	102
MB 880-21012/5-A	Method Blank	95	100
MB 880-21146/5-A	Method Blank	97	99
MB 880-21147/5-A	Method Blank	98	101

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)
880-12270-A-1-E MS	Matrix Spike	82	80
880-12270-A-1-F MSD	Matrix Spike Duplicate	92	88
880-12271-1	S-1 (0-3")	119	136 S1+
880-12271-2	S-1 (6")	104	116
880-12271-3	S-1 (12")	115	128
880-12271-4	S-2 (0-3")	100	107
880-12271-5	S-2 (6")	99	108
880-12271-6	S-2 (12")	105	116
880-12271-7	S-2 (18")	92	101
880-12271-8	H-1 (0-0.5")	87	93
880-12271-9	H-2 (0-0.5")	81	81
880-12271-10	H-3 (0-0.5")	85	90
880-12271-11	H-4 (0-0.5")	105	100

Surrogate Summary

Client: Carmona Resources
Job ID: 880-12271-1
Project/Site: SRO State Unit 31H (02.21.22)
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)								
880-12272-A-1-B MS	Matrix Spike	91	78								
880-12272-A-1-C MSD	Matrix Spike Duplicate	97	80								
LCS 880-21325/2-A	Lab Control Sample	101	94								
LCSD 880-21325/3-A	Lab Control Sample Dup	120	125								
MB 880-21325/1-A	Method Blank	109	109								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO2	OTPH2								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
LCS 880-21323/2-A	Lab Control Sample	87	95								
LCSD 880-21323/3-A	Lab Control Sample Dup	103	115								
MB 880-21323/1-A	Method Blank	88	106								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Unit 31H (02.21.22)

Job ID: 880-12271-1
SDG: Eddy Co NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-21012/5-A
Matrix: Solid
Analysis Batch: 21440

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 21012

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 07:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 07:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 07:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/11/22 16:00	03/13/22 07:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 07:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/11/22 16:00	03/13/22 07:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*03/11/22 16:00*	*03/13/22 07:08*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*03/11/22 16:00*	*03/13/22 07:08*	*1*

Lab Sample ID: LCS 880-21012/1-A
Matrix: Solid
Analysis Batch: 21440

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 21012

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1029		mg/Kg		103	70 - 130
Toluene	0.100	0.09638		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.09439		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.200	0.2215		mg/Kg		111	70 - 130
o-Xylene	0.100	0.1084		mg/Kg		108	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 880-21012/2-A
Matrix: Solid
Analysis Batch: 21440

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 21012

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1032		mg/Kg		103	70 - 130	0	35
Toluene	0.100	0.09620		mg/Kg		96	70 - 130	0	35
Ethylbenzene	0.100	0.09577		mg/Kg		96	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2264		mg/Kg		113	70 - 130	2	35
o-Xylene	0.100	0.1121		mg/Kg		112	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 880-12320-A-1-C MS
Matrix: Solid
Analysis Batch: 21440

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 21012

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U F2 F1	0.100	0.02577	F1	mg/Kg		26	70 - 130
Toluene	<0.00200	U F2 F1	0.100	0.02797	F1	mg/Kg		27	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Unit 31H (02.21.22)

Job ID: 880-12271-1
SDG: Eddy Co NM

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

Lab Sample ID: 880-12320-A-1-C MS | **Client Sample ID: Matrix Spike**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 21440 | **Prep Batch: 21012**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00200	U F2 F1	0.100	0.03070	F1	mg/Kg		31	70 - 130
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.200	0.06364	F1	mg/Kg		32	70 - 130
o-Xylene	<0.00200	U F2 F1	0.100	0.03648	F1	mg/Kg		36	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: 880-12320-A-1-D MSD | **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 21440 | **Prep Batch: 21012**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F2 F1	0.0992	0.01113	F2 F1	mg/Kg		11	70 - 130	79	35
Toluene	<0.00200	U F2 F1	0.0992	0.01231	F2 F1	mg/Kg		12	70 - 130	78	35
Ethylbenzene	<0.00200	U F2 F1	0.0992	0.01345	F2 F1	mg/Kg		14	70 - 130	78	35
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.198	0.02928	F2 F1	mg/Kg		15	70 - 130	74	35
o-Xylene	<0.00200	U F2 F1	0.0992	0.01813	F2 F1	mg/Kg		18	70 - 130	67	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: MB 880-21146/5-A | **Client Sample ID: Method Blank**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 21440 | **Prep Batch: 21146**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/13/22 12:58	03/13/22 19:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/13/22 12:58	03/13/22 19:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/13/22 12:58	03/13/22 19:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/13/22 12:58	03/13/22 19:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/13/22 12:58	03/13/22 19:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/13/22 12:58	03/13/22 19:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*03/13/22 12:58*	*03/13/22 19:01*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*03/13/22 12:58*	*03/13/22 19:01*	*1*

Lab Sample ID: LCS 880-21146/1-A | **Client Sample ID: Lab Control Sample**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 21440 | **Prep Batch: 21146**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09993		mg/Kg		100	70 - 130
Toluene	0.100	0.09490		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.09416		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.200	0.2203		mg/Kg		110	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Unit 31H (02.21.22)

Job ID: 880-12271-1
SDG: Eddy Co NM

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

Lab Sample ID: LCS 880-21146/1-A
Matrix: Solid
Analysis Batch: 21440

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 21146

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
o-Xylene			0.100	0.1080		mg/Kg		108	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 880-21146/2-A
Matrix: Solid
Analysis Batch: 21440

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 21146

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.1051		mg/Kg		105	70 - 130	5	35
Toluene			0.100	0.1004		mg/Kg		100	70 - 130	6	35
Ethylbenzene			0.100	0.09886		mg/Kg		99	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.2316		mg/Kg		116	70 - 130	5	35
o-Xylene			0.100	0.1131		mg/Kg		113	70 - 130	5	35

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

Lab Sample ID: 880-12263-A-1-H MS
Matrix: Solid
Analysis Batch: 21440

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 21146

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00199	U F1	0.100	0.04828	F1	mg/Kg		48	70 - 130		
Toluene	<0.00199	U F2 F1	0.100	0.05479	F1	mg/Kg		54	70 - 130		
Ethylbenzene	<0.00199	U F2 F1	0.100	0.06147	F1	mg/Kg		61	70 - 130		
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.200	0.1430		mg/Kg		71	70 - 130		
o-Xylene	<0.00199	U F2 F1	0.100	0.07492		mg/Kg		75	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 880-12263-A-1-I MSD
Matrix: Solid
Analysis Batch: 21440

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 21146

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.0996	0.04152	F1	mg/Kg		42	70 - 130	15	35
Toluene	<0.00199	U F2 F1	0.0996	0.002562	F2 F1	mg/Kg		2	70 - 130	182	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*2911*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*176*	*S1+*	*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Unit 31H (02.21.22)

Job ID: 880-12271-1
SDG: Eddy Co NM

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

Lab Sample ID: MB 880-21147/5-A
Matrix: Solid
Analysis Batch: 21440

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 21147

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/10/22 16:00	03/12/22 18:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/10/22 16:00	03/12/22 18:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/10/22 16:00	03/12/22 18:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/10/22 16:00	03/12/22 18:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/10/22 16:00	03/12/22 18:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/10/22 16:00	03/12/22 18:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/10/22 16:00*	*03/12/22 18:32*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*03/10/22 16:00*	*03/12/22 18:32*	*1*

Lab Sample ID: LCS 880-21147/1-A
Matrix: Solid
Analysis Batch: 21440

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 21147

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08847		mg/Kg		88	70 - 130
Toluene	0.100	0.09099		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.09279		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.2166		mg/Kg		108	70 - 130
o-Xylene	0.100	0.1103		mg/Kg		110	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-21147/2-A
Matrix: Solid
Analysis Batch: 21440

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 21147

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09716		mg/Kg		97	70 - 130	9	35
Toluene	0.100	0.09446		mg/Kg		94	70 - 130	4	35
Ethylbenzene	0.100	0.09593		mg/Kg		96	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2225		mg/Kg		111	70 - 130	3	35
o-Xylene	0.100	0.1119		mg/Kg		112	70 - 130	1	35

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

Lab Sample ID: 880-12270-A-1-A MS
Matrix: Solid
Analysis Batch: 21440

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 21147

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00202	U F1	0.100	0.05727	F1	mg/Kg		57	70 - 130
Toluene	<0.00202	U F1	0.100	0.06419	F1	mg/Kg		64	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Unit 31H (02.21.22)

Job ID: 880-12271-1
SDG: Eddy Co NM

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

Lab Sample ID: 880-12270-A-1-A MS
Matrix: Solid
Analysis Batch: 21440

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 21147

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00202	U	0.100	0.07314		mg/Kg		73	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.201	0.1671		mg/Kg		83	70 - 130
o-Xylene	<0.00202	U	0.100	0.08461		mg/Kg		84	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: 880-12270-A-1-B MSD
Matrix: Solid
Analysis Batch: 21440

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 21147

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00202	U F1	0.101	0.06956	F1	mg/Kg		69	70 - 130	19	35
Toluene	<0.00202	U F1	0.101	0.07115		mg/Kg		71	70 - 130	10	35
Ethylbenzene	<0.00202	U	0.101	0.07474		mg/Kg		74	70 - 130	2	35
m-Xylene & p-Xylene	<0.00403	U	0.202	0.1744		mg/Kg		87	70 - 130	4	35
o-Xylene	<0.00202	U	0.101	0.08714		mg/Kg		86	70 - 130	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

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

Lab Sample ID: MB 880-21323/1-A
Matrix: Solid
Analysis Batch: 21431

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 21323

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/10/22 13:52	03/12/22 12:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/10/22 13:52	03/12/22 12:21	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/10/22 13:52	03/12/22 12:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*03/10/22 13:52*	*03/12/22 12:21*	*1*
o-Terphenyl	*106*		*70 - 130*	*03/10/22 13:52*	*03/12/22 12:21*	*1*

Lab Sample ID: LCS 880-21323/2-A
Matrix: Solid
Analysis Batch: 21431

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 21323

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	872.3		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	1000	798.7		mg/Kg		80	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Unit 31H (02.21.22)

Job ID: 880-12271-1
SDG: Eddy Co NM

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

Lab Sample ID: LCS 880-21323/2-A
Matrix: Solid
Analysis Batch: 21431

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 21323

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	95		70 - 130

Lab Sample ID: LCSD 880-21323/3-A
Matrix: Solid
Analysis Batch: 21431

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 21323

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1063		mg/Kg		106	70 - 130	20	20
Diesel Range Organics (Over C10-C28)			1000	933.8		mg/Kg		93	70 - 130	16	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	115		70 - 130

Lab Sample ID: 880-12270-A-1-E MS
Matrix: Solid
Analysis Batch: 21431

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 21323

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F1	998	1271		mg/Kg		124	70 - 130
Diesel Range Organics (Over C10-C28)	461	F1	998	962.7	F1	mg/Kg		50	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	82		70 - 130
o-Terphenyl	80		70 - 130

Lab Sample ID: 880-12270-A-1-F MSD
Matrix: Solid
Analysis Batch: 21431

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 21323

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F1	998	1481	F1	mg/Kg		145	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	461	F1	998	1122	F1	mg/Kg		66	70 - 130	15	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	88		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Unit 31H (02.21.22)

Job ID: 880-12271-1
SDG: Eddy Co NM

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

Lab Sample ID: MB 880-21325/1-A
Matrix: Solid
Analysis Batch: 21446

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 21325

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/10/22 14:09	03/13/22 21:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/10/22 14:09	03/13/22 21:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/10/22 14:09	03/13/22 21:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*03/10/22 14:09*	*03/13/22 21:50*	*1*
o-Terphenyl	*109*		*70 - 130*	*03/10/22 14:09*	*03/13/22 21:50*	*1*

Lab Sample ID: LCS 880-21325/2-A
Matrix: Solid
Analysis Batch: 21446

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 21325

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	826.9		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	1000	872.1		mg/Kg		87	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*101*		*70 - 130*
o-Terphenyl	*94*		*70 - 130*

Lab Sample ID: LCSD 880-21325/3-A
Matrix: Solid
Analysis Batch: 21446

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 21325

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	959.8		mg/Kg		96	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	1000	1163	*1	mg/Kg		116	70 - 130	29	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*120*		*70 - 130*
o-Terphenyl	*125*		*70 - 130*

Lab Sample ID: 880-12272-A-1-B MS
Matrix: Solid
Analysis Batch: 21446

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 21325

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	1206		mg/Kg		119	70 - 130
Diesel Range Organics (Over C10-C28)	1020	*1	998	1990		mg/Kg		97	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Unit 31H (02.21.22)

Job ID: 880-12271-1
SDG: Eddy Co NM

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

Lab Sample ID: 880-12272-A-1-B MS
Matrix: Solid
Analysis Batch: 21446

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 21325

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	78		70 - 130

Lab Sample ID: 880-12272-A-1-C MSD
Matrix: Solid
Analysis Batch: 21446

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 21325

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	1256		mg/Kg		124	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1020	*1	998	2087		mg/Kg		107	70 - 130	5	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	80		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-21304/1-A
Matrix: Solid
Analysis Batch: 21617

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			03/14/22 20:57	1

Lab Sample ID: LCS 880-21304/2-A
Matrix: Solid
Analysis Batch: 21617

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	246.6		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-21304/3-A
Matrix: Solid
Analysis Batch: 21617

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	241.2		mg/Kg		96	90 - 110	2	20

Lab Sample ID: 880-12271-1 MS
Matrix: Solid
Analysis Batch: 21617

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	337	F1	250	565.6		mg/Kg		92	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Unit 31H (02.21.22)

Job ID: 880-12271-1
SDG: Eddy Co NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-12271-1 MSD — **Client Sample ID: S-1 (0-3")**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 21617

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	337	F1	250	552.2	F1	mg/Kg		86	90 - 110	2	20

Lab Sample ID: MB 880-21305/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 21618

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			03/15/22 02:07	1

Lab Sample ID: LCS 880-21305/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 21618

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	248.8		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-21305/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 21618

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	242.7		mg/Kg		97	90 - 110	2	20

Lab Sample ID: 880-12271-11 MS — **Client Sample ID: H-4 (0-0.5")**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 21618

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	7.33		250	257.7		mg/Kg		100	90 - 110

Lab Sample ID: 880-12271-11 MSD — **Client Sample ID: H-4 (0-0.5")**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 21618

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	7.33		250	251.6		mg/Kg		98	90 - 110	2	20

QC Association Summary

Client: Carmona Resources
Project/Site: SRO State Unit 31H (02.21.22)

Job ID: 880-12271-1
SDG: Eddy Co NM

GC VOA

Prep Batch: 21012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12271-11	H-4 (0-0.5")	Total/NA	Solid	5035	
MB 880-21012/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-21012/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-21012/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-12320-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-12320-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 21146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12271-4	S-2 (0-3")	Total/NA	Solid	5035	
MB 880-21146/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-21146/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-21146/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-12263-A-1-H MS	Matrix Spike	Total/NA	Solid	5035	
880-12263-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 21147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12271-1	S-1 (0-3")	Total/NA	Solid	5035	
880-12271-2	S-1 (6")	Total/NA	Solid	5035	
880-12271-3	S-1 (12")	Total/NA	Solid	5035	
880-12271-4	S-2 (0-3")	Total/NA	Solid	5035	
880-12271-5	S-2 (6")	Total/NA	Solid	5035	
880-12271-6	S-2 (12")	Total/NA	Solid	5035	
880-12271-7	S-2 (18")	Total/NA	Solid	5035	
880-12271-8	H-1 (0-0.5")	Total/NA	Solid	5035	
880-12271-9	H-2 (0-0.5")	Total/NA	Solid	5035	
880-12271-10	H-3 (0-0.5")	Total/NA	Solid	5035	
MB 880-21147/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-21147/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-21147/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-12270-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-12270-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 21440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12271-1	S-1 (0-3")	Total/NA	Solid	8021B	21147
880-12271-2	S-1 (6")	Total/NA	Solid	8021B	21147
880-12271-3	S-1 (12")	Total/NA	Solid	8021B	21147
880-12271-4	S-2 (0-3")	Total/NA	Solid	8021B	21147
880-12271-4	S-2 (0-3")	Total/NA	Solid	8021B	21146
880-12271-5	S-2 (6")	Total/NA	Solid	8021B	21147
880-12271-6	S-2 (12")	Total/NA	Solid	8021B	21147
880-12271-7	S-2 (18")	Total/NA	Solid	8021B	21147
880-12271-8	H-1 (0-0.5")	Total/NA	Solid	8021B	21147
880-12271-9	H-2 (0-0.5")	Total/NA	Solid	8021B	21147
880-12271-10	H-3 (0-0.5")	Total/NA	Solid	8021B	21147
880-12271-11	H-4 (0-0.5")	Total/NA	Solid	8021B	21012
MB 880-21012/5-A	Method Blank	Total/NA	Solid	8021B	21012
MB 880-21146/5-A	Method Blank	Total/NA	Solid	8021B	21146
MB 880-21147/5-A	Method Blank	Total/NA	Solid	8021B	21147

QC Association Summary

Client: Carmona Resources
Project/Site: SRO State Unit 31H (02.21.22)

Job ID: 880-12271-1
SDG: Eddy Co NM

GC VOA (Continued)

Analysis Batch: 21440 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-21012/1-A	Lab Control Sample	Total/NA	Solid	8021B	21012
LCS 880-21146/1-A	Lab Control Sample	Total/NA	Solid	8021B	21146
LCS 880-21147/1-A	Lab Control Sample	Total/NA	Solid	8021B	21147
LCSD 880-21012/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	21012
LCSD 880-21146/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	21146
LCSD 880-21147/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	21147
880-12263-A-1-H MS	Matrix Spike	Total/NA	Solid	8021B	21146
880-12263-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	21146
880-12270-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	21147
880-12270-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	21147
880-12320-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	21012
880-12320-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	21012

Analysis Batch: 21451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12271-1	S-1 (0-3")	Total/NA	Solid	Total BTEX	
880-12271-2	S-1 (6")	Total/NA	Solid	Total BTEX	
880-12271-3	S-1 (12")	Total/NA	Solid	Total BTEX	
880-12271-4	S-2 (0-3")	Total/NA	Solid	Total BTEX	
880-12271-5	S-2 (6")	Total/NA	Solid	Total BTEX	
880-12271-6	S-2 (12")	Total/NA	Solid	Total BTEX	
880-12271-7	S-2 (18")	Total/NA	Solid	Total BTEX	
880-12271-8	H-1 (0-0.5")	Total/NA	Solid	Total BTEX	
880-12271-9	H-2 (0-0.5")	Total/NA	Solid	Total BTEX	
880-12271-10	H-3 (0-0.5")	Total/NA	Solid	Total BTEX	
880-12271-11	H-4 (0-0.5")	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 21323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12271-1	S-1 (0-3")	Total/NA	Solid	8015NM Prep	
880-12271-2	S-1 (6")	Total/NA	Solid	8015NM Prep	
880-12271-3	S-1 (12")	Total/NA	Solid	8015NM Prep	
880-12271-4	S-2 (0-3")	Total/NA	Solid	8015NM Prep	
880-12271-5	S-2 (6")	Total/NA	Solid	8015NM Prep	
880-12271-6	S-2 (12")	Total/NA	Solid	8015NM Prep	
880-12271-7	S-2 (18")	Total/NA	Solid	8015NM Prep	
880-12271-8	H-1 (0-0.5")	Total/NA	Solid	8015NM Prep	
880-12271-9	H-2 (0-0.5")	Total/NA	Solid	8015NM Prep	
880-12271-10	H-3 (0-0.5")	Total/NA	Solid	8015NM Prep	
MB 880-21323/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-21323/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-21323/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-12270-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-12270-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 21325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12271-11	H-4 (0-0.5")	Total/NA	Solid	8015NM Prep	
MB 880-21325/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: SRO State Unit 31H (02.21.22)

Job ID: 880-12271-1
SDG: Eddy Co NM

GC Semi VOA (Continued)

Prep Batch: 21325 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-21325/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-21325/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-12272-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-12272-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 21431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12271-1	S-1 (0-3")	Total/NA	Solid	8015B NM	21323
880-12271-2	S-1 (6")	Total/NA	Solid	8015B NM	21323
880-12271-3	S-1 (12")	Total/NA	Solid	8015B NM	21323
880-12271-4	S-2 (0-3")	Total/NA	Solid	8015B NM	21323
880-12271-5	S-2 (6")	Total/NA	Solid	8015B NM	21323
880-12271-6	S-2 (12")	Total/NA	Solid	8015B NM	21323
880-12271-7	S-2 (18")	Total/NA	Solid	8015B NM	21323
880-12271-8	H-1 (0-0.5")	Total/NA	Solid	8015B NM	21323
880-12271-9	H-2 (0-0.5")	Total/NA	Solid	8015B NM	21323
880-12271-10	H-3 (0-0.5")	Total/NA	Solid	8015B NM	21323
MB 880-21323/1-A	Method Blank	Total/NA	Solid	8015B NM	21323
LCS 880-21323/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	21323
LCSD 880-21323/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	21323
880-12270-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	21323
880-12270-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	21323

Analysis Batch: 21446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12271-11	H-4 (0-0.5")	Total/NA	Solid	8015B NM	21325
MB 880-21325/1-A	Method Blank	Total/NA	Solid	8015B NM	21325
LCS 880-21325/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	21325
LCSD 880-21325/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	21325
880-12272-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	21325
880-12272-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	21325

Analysis Batch: 21480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12271-1	S-1 (0-3")	Total/NA	Solid	8015 NM	
880-12271-2	S-1 (6")	Total/NA	Solid	8015 NM	
880-12271-3	S-1 (12")	Total/NA	Solid	8015 NM	
880-12271-4	S-2 (0-3")	Total/NA	Solid	8015 NM	
880-12271-5	S-2 (6")	Total/NA	Solid	8015 NM	
880-12271-6	S-2 (12")	Total/NA	Solid	8015 NM	
880-12271-7	S-2 (18")	Total/NA	Solid	8015 NM	
880-12271-8	H-1 (0-0.5")	Total/NA	Solid	8015 NM	
880-12271-9	H-2 (0-0.5")	Total/NA	Solid	8015 NM	
880-12271-10	H-3 (0-0.5")	Total/NA	Solid	8015 NM	
880-12271-11	H-4 (0-0.5")	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 21304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12271-1	S-1 (0-3")	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: SRO State Unit 31H (02.21.22)

Job ID: 880-12271-1
SDG: Eddy Co NM

HPLC/IC (Continued)

Leach Batch: 21304 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12271-2	S-1 (6")	Soluble	Solid	DI Leach	
880-12271-3	S-1 (12")	Soluble	Solid	DI Leach	
880-12271-4	S-2 (0-3")	Soluble	Solid	DI Leach	
880-12271-5	S-2 (6")	Soluble	Solid	DI Leach	
880-12271-6	S-2 (12")	Soluble	Solid	DI Leach	
880-12271-7	S-2 (18")	Soluble	Solid	DI Leach	
880-12271-8	H-1 (0-0.5")	Soluble	Solid	DI Leach	
880-12271-9	H-2 (0-0.5")	Soluble	Solid	DI Leach	
880-12271-10	H-3 (0-0.5")	Soluble	Solid	DI Leach	
MB 880-21304/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-21304/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-21304/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-12271-1 MS	S-1 (0-3")	Soluble	Solid	DI Leach	
880-12271-1 MSD	S-1 (0-3")	Soluble	Solid	DI Leach	

Leach Batch: 21305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12271-11	H-4 (0-0.5")	Soluble	Solid	DI Leach	
MB 880-21305/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-21305/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-21305/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-12271-11 MS	H-4 (0-0.5")	Soluble	Solid	DI Leach	
880-12271-11 MSD	H-4 (0-0.5")	Soluble	Solid	DI Leach	

Analysis Batch: 21617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12271-1	S-1 (0-3")	Soluble	Solid	300.0	21304
880-12271-2	S-1 (6")	Soluble	Solid	300.0	21304
880-12271-3	S-1 (12")	Soluble	Solid	300.0	21304
880-12271-4	S-2 (0-3")	Soluble	Solid	300.0	21304
880-12271-5	S-2 (6")	Soluble	Solid	300.0	21304
880-12271-6	S-2 (12")	Soluble	Solid	300.0	21304
880-12271-7	S-2 (18")	Soluble	Solid	300.0	21304
880-12271-8	H-1 (0-0.5")	Soluble	Solid	300.0	21304
880-12271-9	H-2 (0-0.5")	Soluble	Solid	300.0	21304
880-12271-10	H-3 (0-0.5")	Soluble	Solid	300.0	21304
MB 880-21304/1-A	Method Blank	Soluble	Solid	300.0	21304
LCS 880-21304/2-A	Lab Control Sample	Soluble	Solid	300.0	21304
LCSD 880-21304/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	21304
880-12271-1 MS	S-1 (0-3")	Soluble	Solid	300.0	21304
880-12271-1 MSD	S-1 (0-3")	Soluble	Solid	300.0	21304

Analysis Batch: 21618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12271-11	H-4 (0-0.5")	Soluble	Solid	300.0	21305
MB 880-21305/1-A	Method Blank	Soluble	Solid	300.0	21305
LCS 880-21305/2-A	Lab Control Sample	Soluble	Solid	300.0	21305
LCSD 880-21305/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	21305
880-12271-11 MS	H-4 (0-0.5")	Soluble	Solid	300.0	21305
880-12271-11 MSD	H-4 (0-0.5")	Soluble	Solid	300.0	21305

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Unit 31H (02.21.22)

Job ID: 880-12271-1
SDG: Eddy Co NM

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

Lab Sample ID: 880-12271-1
Matrix: Solid
Date Collected: 03/09/22 00:00
Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	21147	03/10/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21440	03/12/22 23:55	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21451	03/13/22 12:01	MR	XEN MID
Total/NA	Analysis	8015 NM		1			21480	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	21323	03/10/22 13:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21431	03/12/22 18:00	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	21304	03/10/22 11:55	CH	XEN MID
Soluble	Analysis	300.0		1			21617	03/15/22 14:43	CH	XEN MID

Client Sample ID: S-1 (6")

Lab Sample ID: 880-12271-2
Matrix: Solid
Date Collected: 03/09/22 00:00
Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	21147	03/10/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21440	03/13/22 00:16	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21451	03/13/22 12:01	MR	XEN MID
Total/NA	Analysis	8015 NM		1			21480	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21323	03/10/22 13:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21431	03/12/22 18:21	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	21304	03/10/22 11:55	CH	XEN MID
Soluble	Analysis	300.0		1			21617	03/15/22 15:10	CH	XEN MID

Client Sample ID: S-1 (12")

Lab Sample ID: 880-12271-3
Matrix: Solid
Date Collected: 03/09/22 00:00
Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	21147	03/10/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21440	03/13/22 00:36	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21451	03/13/22 12:01	MR	XEN MID
Total/NA	Analysis	8015 NM		1			21480	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	21323	03/10/22 13:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21431	03/12/22 18:42	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	21304	03/10/22 11:55	CH	XEN MID
Soluble	Analysis	300.0		10			21617	03/15/22 00:03	CH	XEN MID

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

Lab Sample ID: 880-12271-4
Matrix: Solid
Date Collected: 03/09/22 00:00
Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	21147	03/10/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21440	03/13/22 00:56	MR	XEN MID

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Unit 31H (02.21.22)

Job ID: 880-12271-1
SDG: Eddy Co NM

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

Lab Sample ID: 880-12271-4
Date Collected: 03/09/22 00:00
Matrix: Solid
Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	21146	03/13/22 12:58	KL	XEN MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	21440	03/14/22 01:25	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21451	03/13/22 12:01	MR	XEN MID
Total/NA	Analysis	8015 NM		1			21480	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	21323	03/10/22 13:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21431	03/12/22 19:03	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	21304	03/10/22 11:55	CH	XEN MID
Soluble	Analysis	300.0		1			21617	03/15/22 15:19	CH	XEN MID

Client Sample ID: S-2 (6")

Lab Sample ID: 880-12271-5
Date Collected: 03/09/22 00:00
Matrix: Solid
Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	21147	03/10/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21440	03/13/22 01:17	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21451	03/13/22 12:01	MR	XEN MID
Total/NA	Analysis	8015 NM		1			21480	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	21323	03/10/22 13:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21431	03/12/22 19:24	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	21304	03/10/22 11:55	CH	XEN MID
Soluble	Analysis	300.0		1			21617	03/15/22 15:28	CH	XEN MID

Client Sample ID: S-2 (12")

Lab Sample ID: 880-12271-6
Date Collected: 03/09/22 00:00
Matrix: Solid
Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	21147	03/10/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21440	03/13/22 01:37	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21451	03/13/22 12:01	MR	XEN MID
Total/NA	Analysis	8015 NM		1			21480	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21323	03/10/22 13:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21431	03/12/22 19:45	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	21304	03/10/22 11:55	CH	XEN MID
Soluble	Analysis	300.0		1			21617	03/15/22 15:36	CH	XEN MID

Client Sample ID: S-2 (18")

Lab Sample ID: 880-12271-7
Date Collected: 03/09/22 00:00
Matrix: Solid
Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	21147	03/10/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21440	03/13/22 01:58	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21451	03/13/22 12:01	MR	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Unit 31H (02.21.22)

Job ID: 880-12271-1
SDG: Eddy Co NM

Client Sample ID: S-2 (18")
Date Collected: 03/09/22 00:00
Date Received: 03/10/22 10:15

Lab Sample ID: 880-12271-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			21480	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	21323	03/10/22 13:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21431	03/12/22 20:06	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	21304	03/10/22 11:55	CH	XEN MID
Soluble	Analysis	300.0		1			21617	03/15/22 15:45	CH	XEN MID

Client Sample ID: H-1 (0-0.5")
Date Collected: 03/09/22 00:00
Date Received: 03/10/22 10:15

Lab Sample ID: 880-12271-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	21147	03/10/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21440	03/13/22 03:18	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21451	03/13/22 12:01	MR	XEN MID
Total/NA	Analysis	8015 NM		1			21480	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	21323	03/10/22 13:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21431	03/12/22 20:28	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	21304	03/10/22 11:55	CH	XEN MID
Soluble	Analysis	300.0		1			21617	03/15/22 01:05	CH	XEN MID

Client Sample ID: H-2 (0-0.5")
Date Collected: 03/09/22 00:00
Date Received: 03/10/22 10:15

Lab Sample ID: 880-12271-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	21147	03/10/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21440	03/13/22 03:38	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21451	03/13/22 12:01	MR	XEN MID
Total/NA	Analysis	8015 NM		1			21480	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21323	03/10/22 13:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21431	03/12/22 20:49	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	21304	03/10/22 11:55	CH	XEN MID
Soluble	Analysis	300.0		1			21617	03/15/22 01:14	CH	XEN MID

Client Sample ID: H-3 (0-0.5")
Date Collected: 03/09/22 00:00
Date Received: 03/10/22 10:15

Lab Sample ID: 880-12271-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	21147	03/10/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21440	03/13/22 03:59	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21451	03/13/22 12:01	MR	XEN MID
Total/NA	Analysis	8015 NM		1			21480	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	21323	03/10/22 13:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21431	03/12/22 21:11	AJ	XEN MID

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Unit 31H (02.21.22)

Job ID: 880-12271-1
SDG: Eddy Co NM

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

Lab Sample ID: 880-12271-10

Date Collected: 03/09/22 00:00
Matrix: Solid
Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	21304	03/10/22 11:55	CH	XEN MID
Soluble	Analysis	300.0		1			21617	03/15/22 01:23	CH	XEN MID

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

Lab Sample ID: 880-12271-11

Date Collected: 03/09/22 00:00
Matrix: Solid
Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	21012	03/11/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21440	03/13/22 08:58	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21451	03/13/22 12:01	MR	XEN MID
Total/NA	Analysis	8015 NM		1			21480	03/14/22 09:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21325	03/10/22 14:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/14/22 03:45	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	21305	03/10/22 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			21618	03/15/22 02:34	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: SRO State Unit 31H (02.21.22)

Job ID: 880-12271-1
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	T104704400-21-22	06-30-22

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	OII 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: SRO State Unit 31H (02.21.22)

Job ID: 880-12271-1
SDG: Eddy Co NM

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

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

Sample Summary

Client: Carmona Resources
Project/Site: SRO State Unit 31H (02.21.22)

Job ID: 880-12271-1
SDG: Eddy Co NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-12271-1	S-1 (0-3")	Solid	03/09/22 00:00	03/10/22 10:15
880-12271-2	S-1 (6")	Solid	03/09/22 00:00	03/10/22 10:15
880-12271-3	S-1 (12")	Solid	03/09/22 00:00	03/10/22 10:15
880-12271-4	S-2 (0-3")	Solid	03/09/22 00:00	03/10/22 10:15
880-12271-5	S-2 (6")	Solid	03/09/22 00:00	03/10/22 10:15
880-12271-6	S-2 (12")	Solid	03/09/22 00:00	03/10/22 10:15
880-12271-7	S-2 (18")	Solid	03/09/22 00:00	03/10/22 10:15
880-12271-8	H-1 (0-0.5")	Solid	03/09/22 00:00	03/10/22 10:15
880-12271-9	H-2 (0-0.5")	Solid	03/09/22 00:00	03/10/22 10:15
880-12271-10	H-3 (0-0.5")	Solid	03/09/22 00:00	03/10/22 10:15
880-12271-11	H-4 (0-0.5")	Solid	03/09/22 00:00	03/10/22 10:15

Work Order No: 12271

Page 1 of 2

Project Manager	Conner Moehring	Bill to (if different)	Jacqui Harris
Company Name	Carmona Resources	Company Name	COG
Address	310 West Wall Ste 415	Address	15 W Loving Rd
City, State ZIP	Midland, TX 79701	City, State ZIP	Loving,NM 88256
Phone	432-813-6823 Email		jacquiharris@conocophillips.com

Work Order Comments

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

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	SRO State Unit 31H (02 21 22)	Turn Around	
Project Number	1027	☐ Routine ☑ Rush	
Project Location	Eddy Co, NM	Due Date	72Hrs
Sampler's Name	CRM	TAT starts the day received by the lab, if received by 4 30pm	
PO #:			

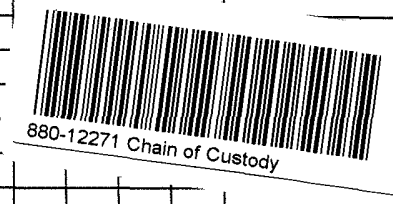
SAMPLE RECEIPT			
Temp Blank	Yes (No)	Wet Ice	(Yes) No
Received Intact:	(Yes) No	Thermometer ID	IR6
Cooler Custody Seals	Yes No (N/A)	Correction Factor	-.1
Sample Custody Seals	Yes No (N/A)	Temperature Reading	.1
Total Containers		Corrected Temperature	.0

ANALYSIS REQUEST

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
S-1 (0-3")	3/9/2022		X		G	1		X	X	X		
S-1 (6")	3/9/2022		X		G	1		X	X	X		
S-1 (12")	3/9/2022		X		G	1		X	X	X		
S-2 (0-3")	3/9/2022		X		G	1		X	X	X		
S-2 (6")	3/9/2022		X		G	1		X	X	X		
S-2 (12")	3/9/2022		X		G	1		X	X	X		
S-2 (18")	3/9/2022		X		G	1		X	X	X		
H-1 (0-0 5')	3/9/2022		X		G	1		X	X	X		
H-2 (0-0 5')	3/9/2022		X		G	1		X	X	X		
H-3 (0-0 5')	3/9/2022		X		G	1		X	X	X		



Additoinal Comments:

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1 Conner Moehring	Jaime R	3/10/22 10:15	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020 1

Work Order No: 12271

Page 2 of 2

Project Manager	Conner Moehring	Bill to (if different)	Jacqui Harris
Company Name	Carmona Resources	Company Name	COG
Address	310 West Wall Ste 415	Address	15 W Loving Rd
City, State ZIP	Midland, TX 79701	City, State ZIP	Loving,NM 88256
Phone	432-813-6823	Email	jacquiharris@conocophillips.com

Work Order Comments

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

State of Project:

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

Deliverables. EDD ☐ ADaPT ☐ Other:

Project Name	SRO State Unit 31H (02 21 22)	Turn Around	
Project Number	1027	☐ Routine ☑ Rush	
Project Location	Eddy Co, NM	Due Date	72Hrs
Sampler's Name	CRM	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	IR8
Cooler Custody Seals.	Yes No N/A	Correction Factor	-.1
Sample Custody Seals.	Yes No N/A	Temperature Reading	.1
Total Containers		Corrected Temperature	.0

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
H-4 (0-6")	3/9/2022		X		G	1		X	X	X		

Additoinal Comments:

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1		3/10/22 10:15	2		
3			4		
5			6		

Revised Date 05012020 Rev 2020 1

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-12271-1
SDG Number: Eddy Co NM

Login Number: 12271
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.	N/A	No time on COC, logged in per container labels.
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

CARDINAL Laboratories

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

March 30, 2022

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: SRO STATE UNIT 31H

Enclosed are the results of analyses for samples received by the laboratory on 03/29/22 12:06.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/29/2022	Sampling Date:	03/29/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	SRO STATE UNIT 31H	Sampling Condition:	Cool & Intact
Project Number:	1027 (02.21.22)	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 1 (1.5') (H221235-01)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.05	102	2.00	5.67	
Toluene*	<0.050	0.050	03/29/2022	ND	2.04	102	2.00	5.95	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.94	97.0	2.00	6.28	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.02	100	6.00	6.23	
Total BTEX	<0.300	0.300	03/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	03/29/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	181	90.6	200	0.928	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	173	86.4	200	6.73	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					

Surrogate: 1-Chlorooctane *80.1 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *82.4 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/29/2022	Sampling Date:	03/29/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	SRO STATE UNIT 31H	Sampling Condition:	Cool & Intact
Project Number:	1027 (02.21.22)	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 2 (1.5') (H221235-02)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.05	102	2.00	5.67	
Toluene*	<0.050	0.050	03/29/2022	ND	2.04	102	2.00	5.95	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.94	97.0	2.00	6.28	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.02	100	6.00	6.23	
Total BTEX	<0.300	0.300	03/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	03/29/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	181	90.6	200	0.928	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	173	86.4	200	6.73	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					

Surrogate: 1-Chlorooctane *80.2 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *83.2 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/29/2022	Sampling Date:	03/29/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	SRO STATE UNIT 31H	Sampling Condition:	Cool & Intact
Project Number:	1027 (02.21.22)	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 3 (1.5') (H221235-03)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.05	102	2.00	5.67	
Toluene*	<0.050	0.050	03/29/2022	ND	2.04	102	2.00	5.95	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.94	97.0	2.00	6.28	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.02	100	6.00	6.23	
Total BTEX	<0.300	0.300	03/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	03/29/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	181	90.6	200	0.928	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	173	86.4	200	6.73	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					

Surrogate: 1-Chlorooctane *86.0 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *89.0 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/29/2022	Sampling Date:	03/29/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	SRO STATE UNIT 31H	Sampling Condition:	Cool & Intact
Project Number:	1027 (02.21.22)	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 4 (1.5') (H221235-04)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.05	102	2.00	5.67	
Toluene*	<0.050	0.050	03/29/2022	ND	2.04	102	2.00	5.95	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.94	97.0	2.00	6.28	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.02	100	6.00	6.23	
Total BTEX	<0.300	0.300	03/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	03/29/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	181	90.6	200	0.928	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	173	86.4	200	6.73	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					

Surrogate: 1-Chlorooctane *101 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *104 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/29/2022	Sampling Date:	03/29/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	SRO STATE UNIT 31H	Sampling Condition:	Cool & Intact
Project Number:	1027 (02.21.22)	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 5 (1.5') (H221235-05)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.05	102	2.00	5.67	
Toluene*	<0.050	0.050	03/29/2022	ND	2.04	102	2.00	5.95	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.94	97.0	2.00	6.28	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.02	100	6.00	6.23	
Total BTEX	<0.300	0.300	03/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/29/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	181	90.6	200	0.928	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	173	86.4	200	6.73	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					

Surrogate: 1-Chlorooctane *92.2 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *94.3 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/29/2022	Sampling Date:	03/29/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	SRO STATE UNIT 31H	Sampling Condition:	Cool & Intact
Project Number:	1027 (02.21.22)	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 1 (1.5') (H221235-06)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.05	102	2.00	5.67	
Toluene*	<0.050	0.050	03/29/2022	ND	2.04	102	2.00	5.95	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.94	97.0	2.00	6.28	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.02	100	6.00	6.23	
Total BTEX	<0.300	0.300	03/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	03/29/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	181	90.6	200	0.928	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	173	86.4	200	6.73	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					

Surrogate: 1-Chlorooctane *77.2 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *79.5 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/29/2022	Sampling Date:	03/29/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	SRO STATE UNIT 31H	Sampling Condition:	Cool & Intact
Project Number:	1027 (02.21.22)	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 2 (1.5') (H221235-07)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.05	102	2.00	5.67	
Toluene*	<0.050	0.050	03/29/2022	ND	2.04	102	2.00	5.95	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.94	97.0	2.00	6.28	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.02	100	6.00	6.23	
Total BTEX	<0.300	0.300	03/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/29/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	181	90.6	200	0.928	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	173	86.4	200	6.73	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					

Surrogate: 1-Chlorooctane *87.7 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *91.0 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/29/2022	Sampling Date:	03/29/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	SRO STATE UNIT 31H	Sampling Condition:	Cool & Intact
Project Number:	1027 (02.21.22)	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 3 (1.5') (H221235-08)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.05	102	2.00	5.67	
Toluene*	<0.050	0.050	03/29/2022	ND	2.04	102	2.00	5.95	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.94	97.0	2.00	6.28	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.02	100	6.00	6.23	
Total BTEX	<0.300	0.300	03/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	03/29/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	181	90.6	200	0.928	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	173	86.4	200	6.73	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					

Surrogate: 1-Chlorooctane *96.7 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *101 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	03/29/2022	Sampling Date:	03/29/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	SRO STATE UNIT 31H	Sampling Condition:	Cool & Intact
Project Number:	1027 (02.21.22)	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 4 (1.5') (H221235-09)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2022	ND	2.05	102	2.00	5.67	
Toluene*	<0.050	0.050	03/29/2022	ND	2.04	102	2.00	5.95	
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	1.94	97.0	2.00	6.28	
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.02	100	6.00	6.23	
Total BTEX	<0.300	0.300	03/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/29/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2022	ND	181	90.6	200	0.928	
DRO >C10-C28*	<10.0	10.0	03/29/2022	ND	173	86.4	200	6.73	
EXT DRO >C28-C36	<10.0	10.0	03/29/2022	ND					

Surrogate: 1-Chlorooctane *101 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *105 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H221235-1-9

Page _____ of _____

Project Manager:	Conner Moehring	Bill to: (if different)	Jacqui Harris
Company Name:	Carmona Resources	Company Name:	COG
Address:	310 W Wall St Ste 415	Address:	15 W London Rd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Loving,NM 88256
Phone:	432-813-6823	Email:	jacquiharris@conocophillips.com

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	SRO State Unit 31H (02.21.22)	Turn Around	
Project Number:	1027	☐ Routine	☑ Rush
Project Location	Eddy Co, NM	Due Date:	24 Hour
Sampler's Name:	MC	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:	#113
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.5°c
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.9°c
Total Containers:		Corrected Temperature:	3.4°c

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 4500	HOLD	Sample Comments
CS-1 (1.5')	3/29/2022		X		comp	1		X	X	X		
CS-2 (1.5')	3/29/2022		X		comp	1		X	X	X		
CS-3 (1.5')	3/29/2022		X		comp	1		X	X	X		
CS-4 (1.5')	3/29/2022		X		comp	1		X	X	X		
CS-5 (1.5')	3/29/2022		X		comp	1		X	X	X		
SW-1 (1.5')	3/29/2022		X		comp	1		X	X	X		
SW-2 (1.5')	3/29/2022		X		comp	1		X	X	X		
SW-3 (1.5')	3/29/2022		X		comp	1		X	X	X		
SW-4 (1.5')	3/29/2022		X		comp	1		X	X	X		

Comments:

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Mike Carmona	S Rodriguez	3.29.22 1206	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: Jacqui Harris Date: 6/1/22

email: _____ Telephone: _____

OCD Only

Received by: Robert Hamlet Date: 6/30/2022

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: Robert Hamlet Date: 6/30/2022

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

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 112958

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	229137
	Action Number: 112958
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2206947126 SRO STATE COM 031H, thank you. This closure is approved.	6/30/2022