

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)

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

Cause of Release

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input type="checkbox"/> 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

<input type="checkbox"/> The source of the release has been stopped.	
<input type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> 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: <u>Patricia Espinoza</u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: _____	Date: _____

Spill Calculation - On-Pad Surface Pool Spill

Received by OCD: 1/23/2024 12:39:15 PM

Page 3 of 130

Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Average Depth (in.)	Estimated <u>Pool</u> Area (sq. ft.)	Estimated volume of each pool area (bbl.)	Penetration allowance (ft.)	Total Estimated Volume of Spill (bbl.)
Rectangle A	45	42	0.2	1890.00	5.61	0.00	5.61
Rectangle B	24	12	2.0	288.00	8.54	0.01	8.62
Rectangle C				0.00	0.00	0.00	0.00
Rectangle D				0.00	0.00	0.00	0.00
Rectangle E				0.00	0.00	0.00	0.00
Rectangle F				0.00	0.00	0.00	0.00
Rectangle G				0.00	0.00	0.00	0.00
Rectangle H				0.00	0.00	0.00	0.00
Rectangle I				0.00	0.00	0.00	0.00
Total Surface Pool Volume Released, Release to Soil/Caliche:				0.00	0.00	0.00	0.00
Total Surface Pool Volume Released, Release to Soil/Caliche:							14.2269

CARMONA RESOURCES



SITE INFORMATION

Closure Report
Gin and Tectonic Federal Com 502H (12.12.2023)
Incident #: nAPP2336240076
Lea County, New Mexico
Unit P Sec 5 T24S R32E
32.2397°, -103.6927°

Crude Oil Release
Point of Release: Equipment Failure
Release Date: 12.12.2023
Volume Released: 14 Barrels of Crude Oil
Volume Recovered: 10 Barrels of Crude Oil

CARMONA RESOURCES



Prepared for:
Concho Operating, LLC
600 W Illinois Ave,
Midland, Texas 79701

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

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

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January 19, 2024

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

**Re: Closure Report
Gin and Tectonic Federal Com (12.12.2023)
Concho Operating, LLC
Site Location: Unit P, S05, T24S, R32E
(Lat 32.2397°, Long -103.6927°)
Lea County, New Mexico**

To whom it may concern:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site assessment activities for the Gin and Tectonic Federal Com 502H (12.12.23). The site is located at 32.2397, -103.6927 within Unit P, S05, T24S, R32E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on December 12, 2023, from equipment failure. It resulted in approximately fourteen (14) barrels of crude oil being released and ten (10) barrels of crude oil being recovered. The impacted area occurred on the pad, shown in Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The closest well is approximately 0.85 miles West of the site in S06, T24S, R32E and was drilled in 2023. The well has a reported depth to groundwater of 55 feet below the ground surface (ft bgs). A copy of the associated point of diversion is attached in Appendix D.

3.0 NMAC Regulatory Criteria

Per the NMOCD regulatory criteria established in 19.15.29.12 NMAC, 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

Initial Assessment

On December 27, 2023, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of five (5) sample points (S-1 through S-5) and four (4) horizontal sample points (H-1 through H-4) were installed to total depths ranging from surface to 2' bgs inside and surrounding the release area. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice,



and transported under the proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 4500. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

5.0 Remediation Activities

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOC division office was notified via web portal on January 10, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The areas of S-1, S-3, and S-4 were excavated to a depth of 2.0' and the area of S-2 was excavated to a depth of 1.5'. A total of nine (9) confirmation floor samples were collected (CS-1 through CS-9), and fourteen (14) sidewall samples (SW-1 through SW-14) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

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

Approximately 800 square feet of the well pad were remediated, and 80 cubic yards of material were excavated and transported offsite for proper disposal.

7.0 Conclusions

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

Sincerely,

Carmona Resources, LLC

Mike Carmona
Environmental Manager

Conner Moehring
Sr. Project Manager

FIGURES

CARMONA RESOURCES

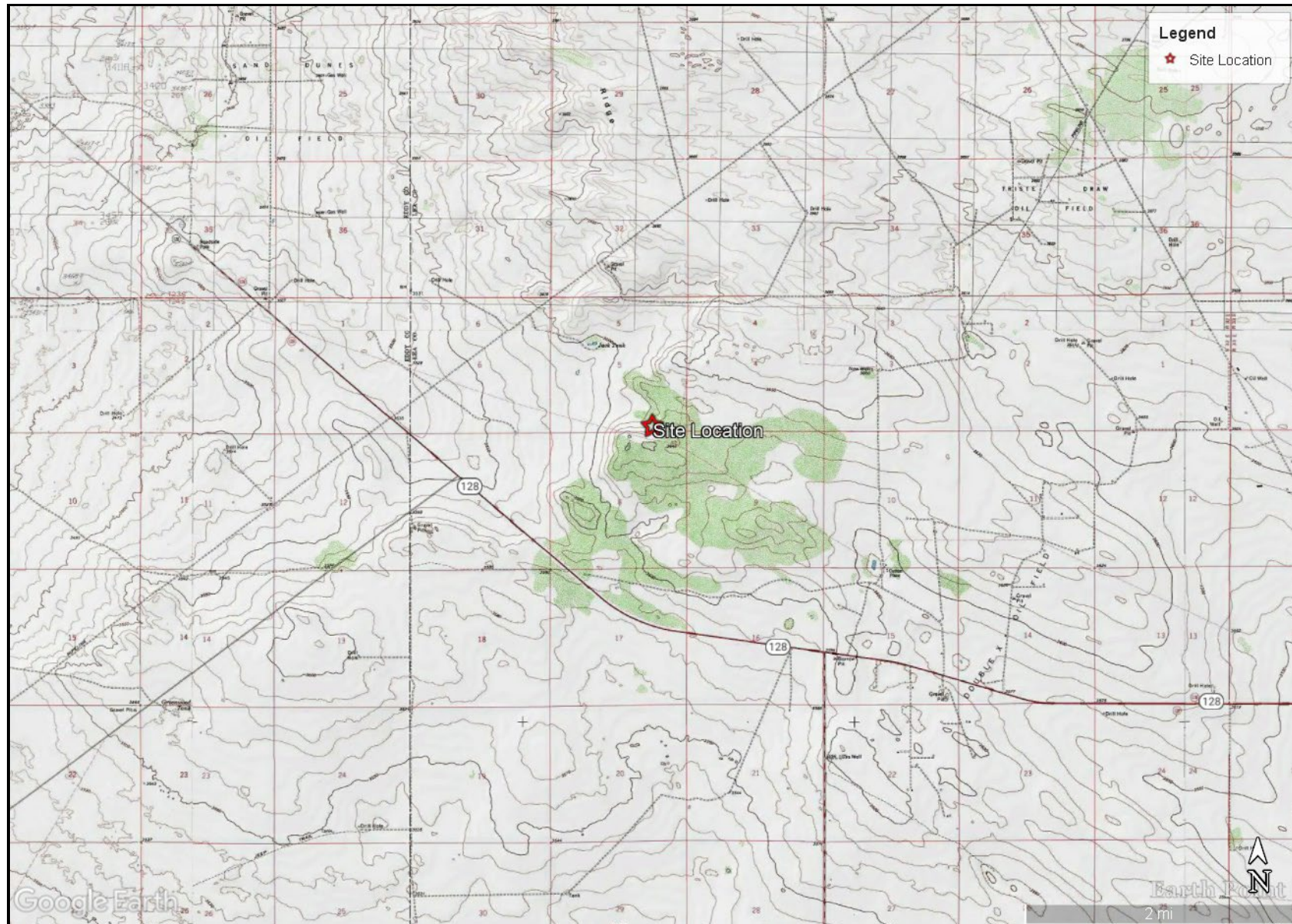




OVERVIEW MAP
COG OPERATING, LLC
GIN AND TECTONIC FEDERAL COM (12.12.2023)
LEA COUNTY, NEW MEXICO
32.2397°, 103.6927°



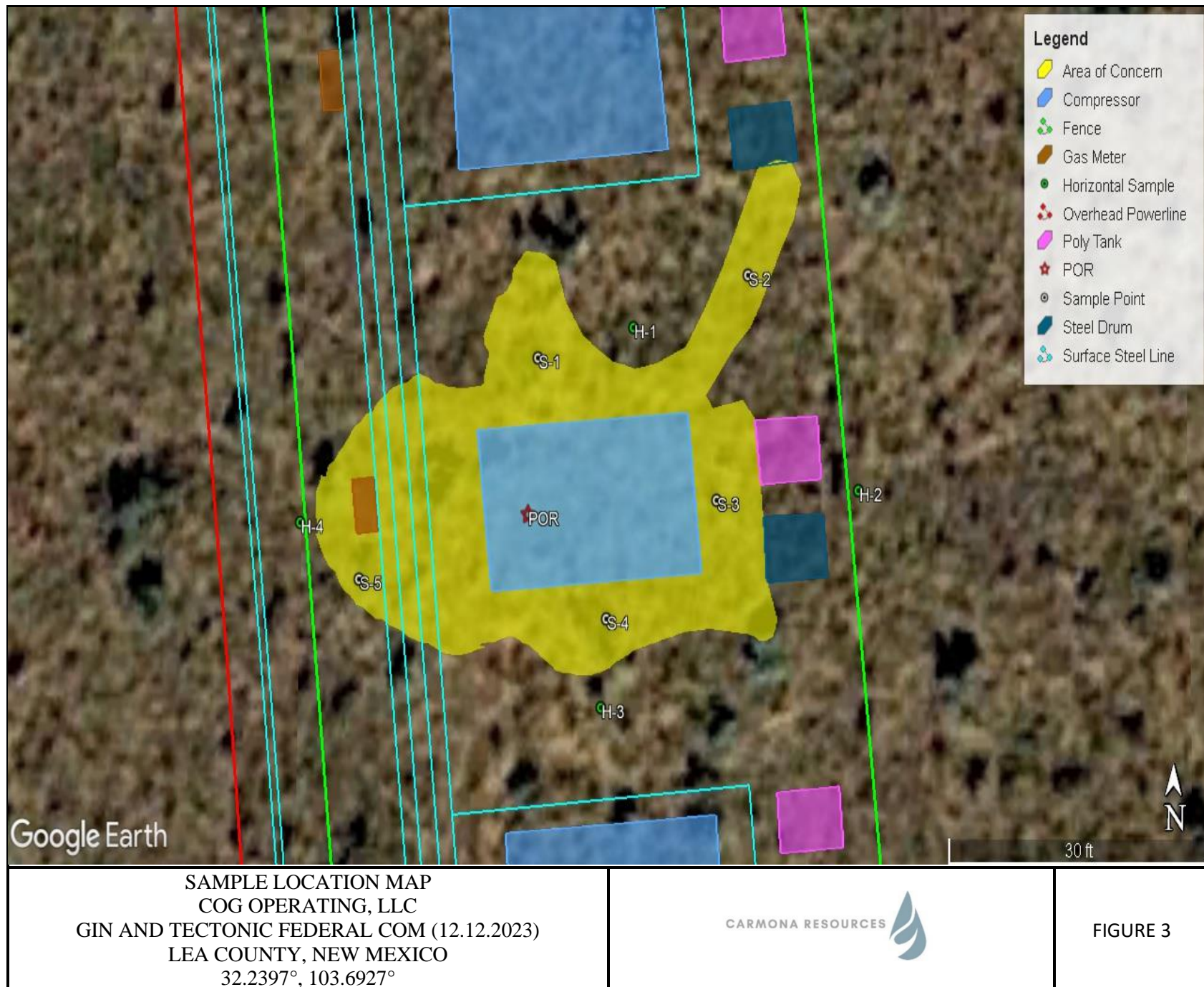
FIGURE 1

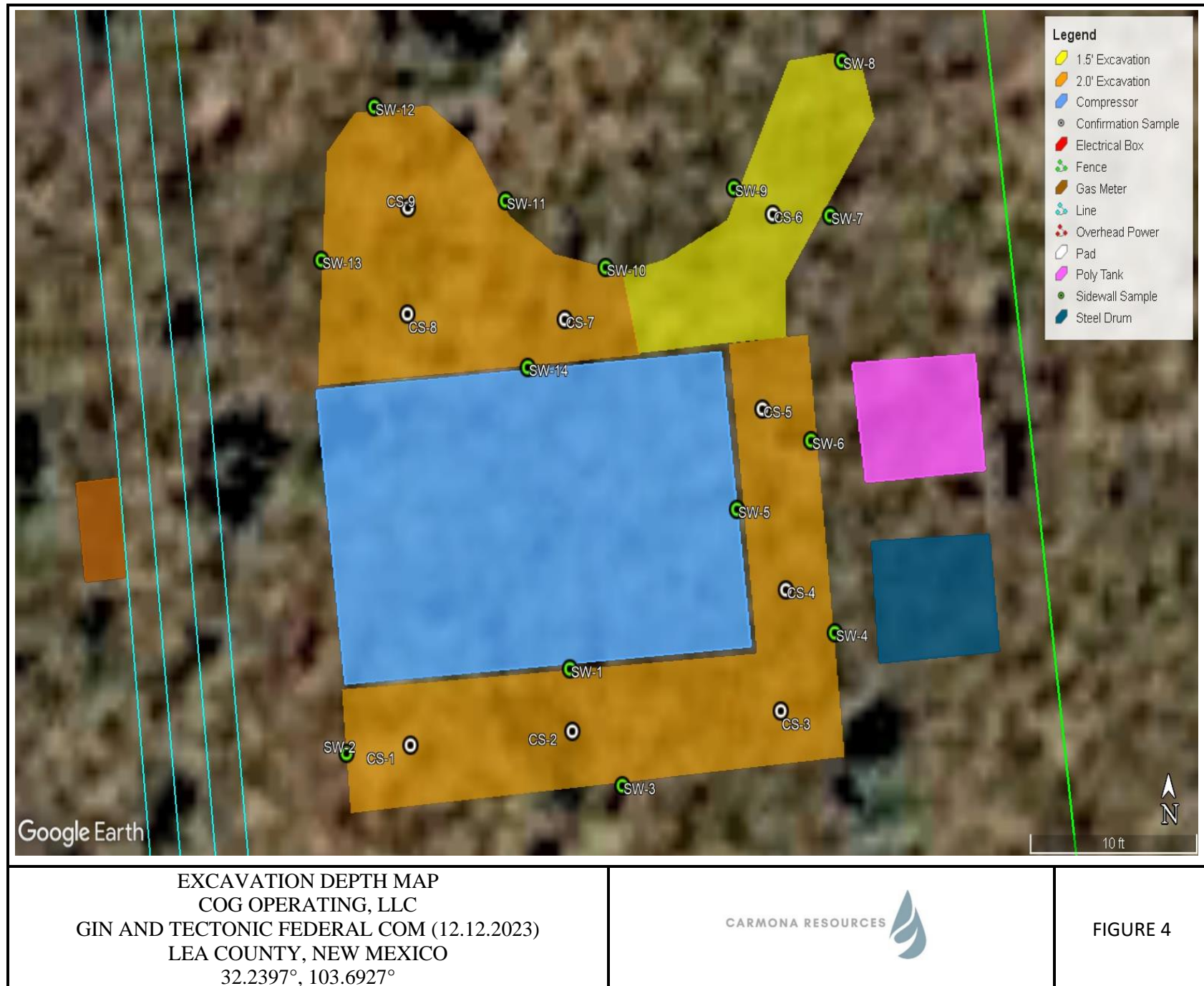


TOPOGRAPHIC MAP
 COG OPERATING, LLC
 GIN AND TECTONIC FEDERAL COM (12.12.2023)
 LEA COUNTY, NEW MEXICO
 32.2397°, 103.6927°



FIGURE 2





APPENDIX A

CARMONA RESOURCES



Table 1
COG Operating, LLC
Gin and Tectonic Federal Com 502H
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	12/27/2023	0-0.5	4,630	11,600	2,040	18,270	16.1	107	47.6	226	397	3,120
	"	1.5	82.7	323	38.4	444	0.088	0.812	0.577	3.58	5.06	96.0
	"	2.0	<10.0	69.3	<10.0	69.3	<0.050	0.128	0.112	0.760	1.01	16.0
S-2	12/27/2023	0-0.5	2,790	7,830	1,480	12,100	7.07	73.0	37.9	180	298	2,840
S-3	12/27/2023	0-0.5	2,690	8,070	1,600	12,360	7.71	66.2	30.3	168	273	2,520
	"	1.5	1,200	2,600	486	4,286	2.43	35.6	16.9	96.6	151	304
S-4	12/27/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	0.057	<0.050	<0.150	<0.300	208
	"	1.5	515	1,880	382	2,777	2.14	23.5	11.3	65.3	102	640
S-5	12/27/2023	0-0.5	<10.0	37.2	<10.0	37.2	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
H-1	12/27/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	480
H-2	12/27/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	0.117	<0.050	<0.150	<0.300	384
H-3	12/27/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	400
H-4	12/27/2023	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	368
Regulatory Criteria^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) Sample Point

(H) Horizontal Sample

Removed



Table 2
COG Operating, LLC
Gin and Tectonic Federal Com 502H
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	1/15/2024	2.0'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	6.19
CS-2	1/15/2024	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<4.98
CS-3	1/15/2024	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<4.99
CS-4	1/15/2024	2.0'	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<5.04
CS-5	1/15/2024	2.0'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.99
CS-6	1/15/2024	1.5'	<50.3	<50.3	<50.3	<50.3	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<4.96
CS-7	1/15/2024	1.5'	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.95
CS-8	1/15/2024	2.0'	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<4.97
CS-9	1/15/2024	2.0'	<49.6	<49.6	<49.6	<49.6	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<5.02
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 Floor Sample

Table 2
COG Operating, LLC
Gin and Tectonic Federal Com 502H
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	1/15/2024	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<4.98
SW-2	1/15/2024	2.0'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.98
SW-3	1/15/2024	2.0'	<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6.40
SW-4	1/15/2024	2.0'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	8.24
SW-5	1/15/2024	2.0'	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<4.97
SW-6	1/15/2024	2.0'	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<4.95
SW-7	1/15/2024	1.5'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	11.7
SW-8	1/15/2024	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.99
SW-9	1/15/2024	1.5'	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<5.00
SW-10	1/15/2024	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<5.00
SW-11	1/15/2024	2.0'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<4.99
SW-12	1/15/2024	2.0'	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6.78
SW-13	1/15/2024	2.0'	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	7.48
SW-14	1/15/2024	2.0'	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	6.30
Regulatory Criteria^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(SW) Confirmation Sidewall Sample

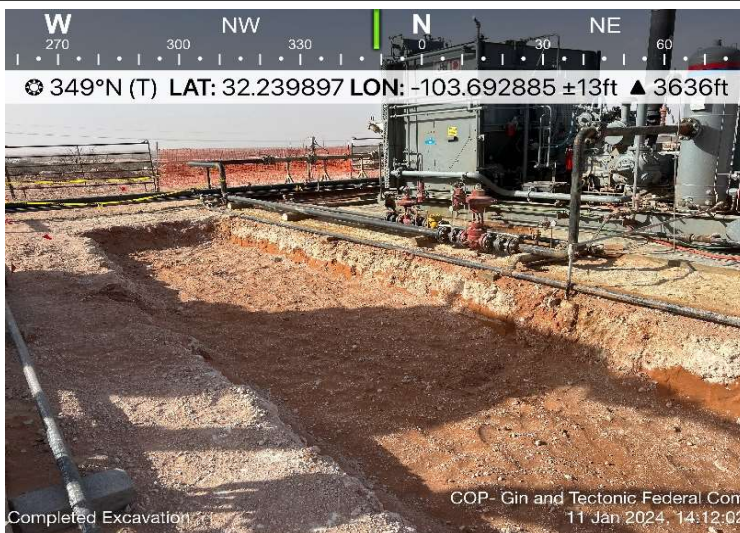
APPENDIX B

CARMONA RESOURCES

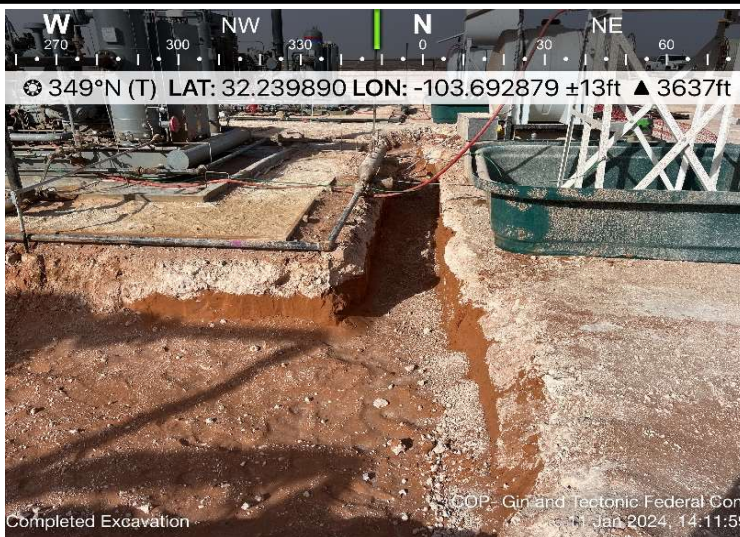


PHOTOGRAPHIC LOG**Concho Operating, LLC****Photograph No. 1****Facility:** Gin and Tectonic Federal Com
502H (12.12.2023)**County:** Lea County, New Mexico**Description:**

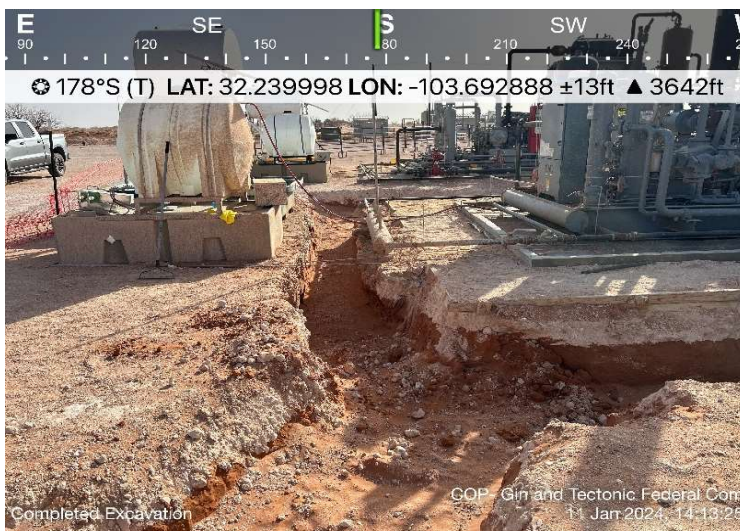
View North, area of CS-1 through CS-3.

**Photograph No. 2****Facility:** Gin and Tectonic Federal Com
502H (12.12.2023)**County:** Lea County, New Mexico**Description:**

View North, area of CS-3 through CS-5.

**Photograph No. 3****Facility:** Gin and Tectonic Federal Com
502H (12.12.2023)**County:** Lea County, New Mexico**Description:**

View South, area of CS-5 through CS-7.



PHOTOGRAPHIC LOG

Concho Operating, LLC

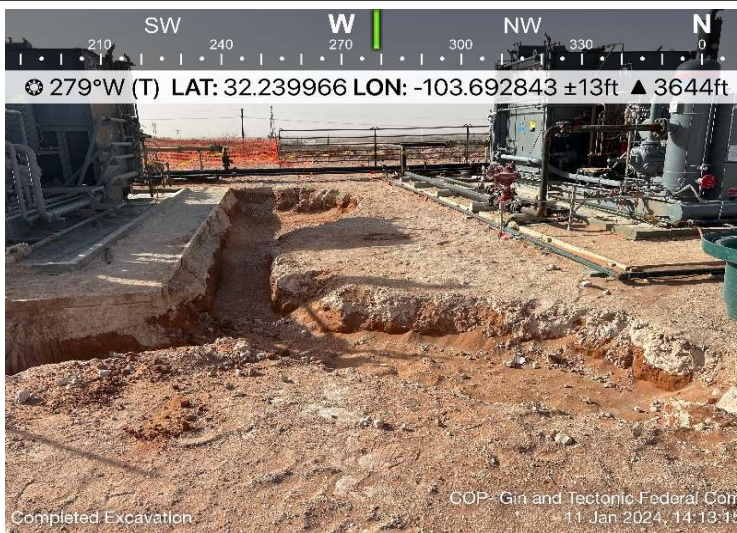
Photograph No. 4

Facility: Gin and Tectonic Federal Com
502H (12.12.2023)

County: Lea County, New Mexico

Description:

View West, area of CS-5 through CS-9.



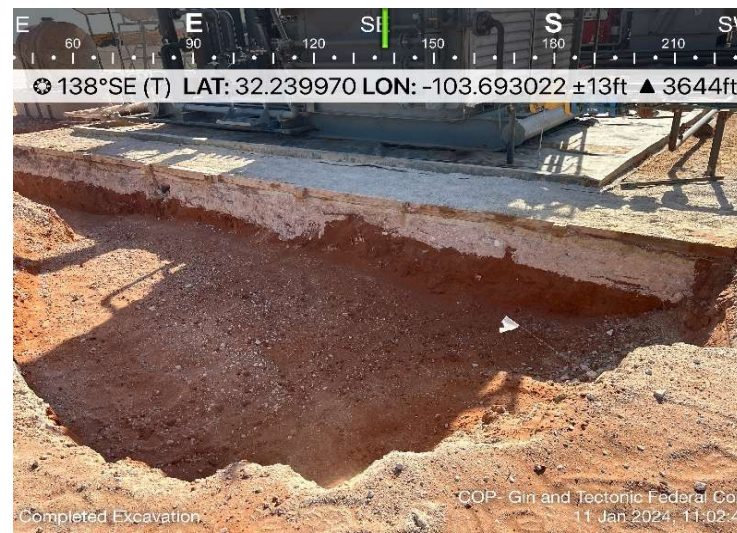
Photograph No. 5

Facility: Gin and Tectonic Federal Com
502H (12.12.2023)

County: Lea County, New Mexico

Description:

View Southeast, area of CS-8 and CS-9.



APPENDIX C

CARMONA RESOURCES



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

QUESTIONS

Action 298147

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 298147
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Gin and Tectonic Federal Com 502H
Date Release Discovered	12/12/2023
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Valve Crude Oil Released: 14 BBL Recovered: 10 BBL Lost: 4 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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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

QUESTIONS, Page 2
Action 298147

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 298147
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

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	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. 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 prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

ACKNOWLEDGMENTS

Action 298147

ACKNOWLEDGMENTS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 298147
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	I acknowledge the fact that 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.
<input checked="" type="checkbox"/>	I acknowledge the fact that, 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.

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

CONDITIONS

Action 298147

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 298147
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
brittanyesparza	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	12/28/2023

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?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input type="checkbox"/> 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?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Jacob Laird Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: Jacob Laird Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ 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: _____

Conner Moehring

From: Laird, Jacob <Jacob.Laird@conocophillips.com>
Sent: Wednesday, January 10, 2024 2:46 PM
To: Conner Moehring
Subject: FW: [EXTERNAL]The Oil Conservation Division (OCD) has accepted the application, Application ID: 302266

FYI for the Gin and Tectonic

I appreciate you,

Jacob Laird | Environmental Engineer, DBE | ConocoPhillips
C: 575-703-5482

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Wednesday, January 10, 2024 2:45 PM
To: Laird, Jacob <Jacob.Laird@conocophillips.com>
Subject: [EXTERNAL]The Oil Conservation Division (OCD) has accepted the application, Application ID: 302266

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (c/o Jacob Laird for COG OPERATING LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2336240076.

The sampling event is expected to take place:

When: 01/12/2024 @ 15:30
Where: P-05-24S-32E 0 FNL 0 FEL (32.2397,-103.6927)

Additional Information: Jose Morales (432)640-9794

Additional Instructions: START FROM THE INT OF NM-128 AND BUCKJACKSON RD SE 0.52M L ON LEASE RD NE 0.5M R/E 0.4M L N/NE 0.43M STAY L TOSIDE LOCATION RD N 0.13M TO SITE LOCATE

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive

Santa Fe, NM 87505

APPENDIX D

CARMONA RESOURCES

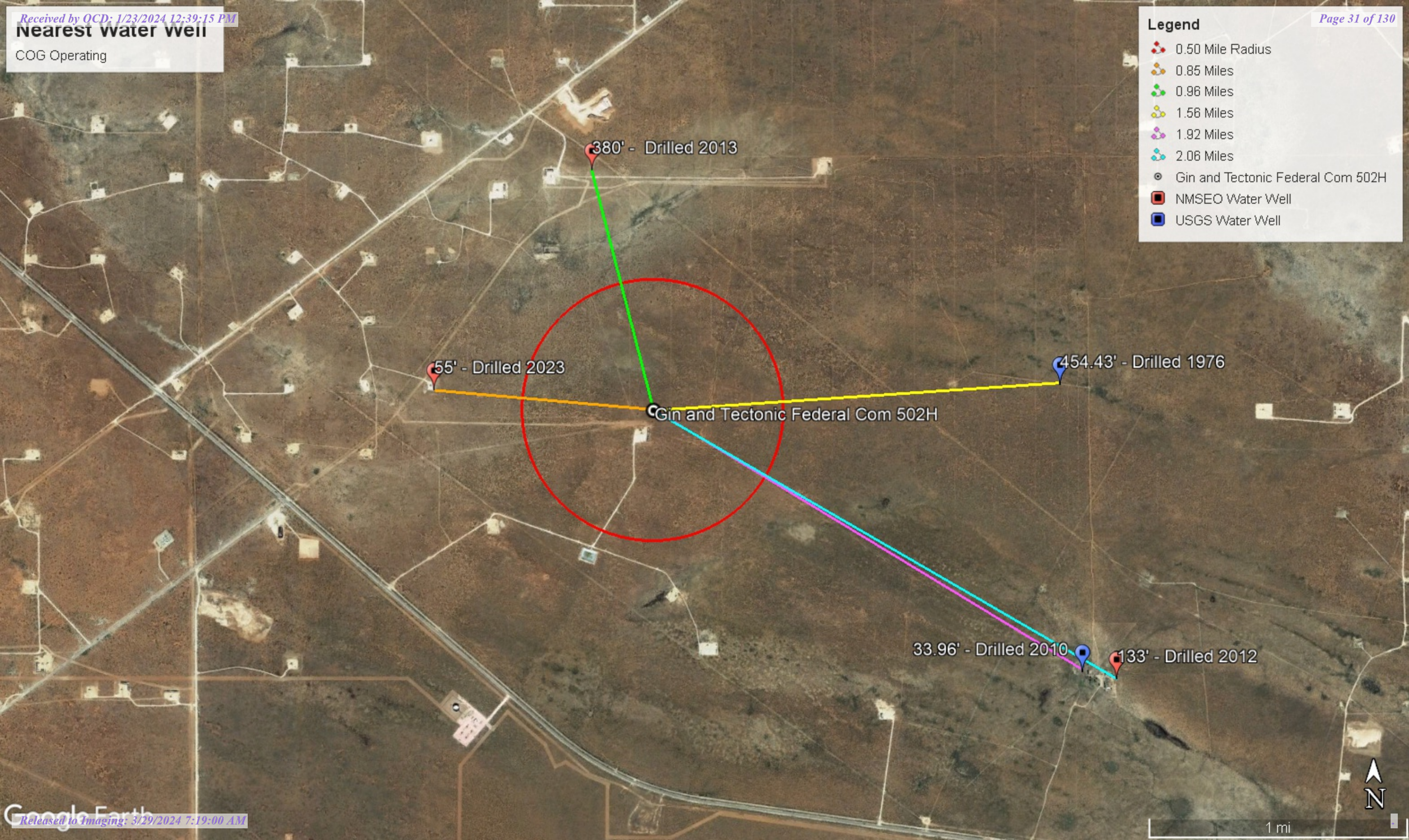


Nearest water well

COG Operating

Legend



- 0.50 Mile Radius
- 0.85 Miles
- 0.96 Miles
- 1.56 Miles
- 1.92 Miles
- 2.06 Miles
- Gin and Tectonic Federal Com 502H
- NMSEO Water Well
- USGS Water Well



Low Karst

COG Operating

Legend

-  Gin and Tectonic Federal Com 502H
-  Low

Gin and Tectonic Federal Com 502H





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 03555 POD1	C	LE		2	2	1	05	24S	32E	622748	3569233	1531	600	380	220
C 03527 POD1	C	LE		1	2	3	03	24S	32E	625770	3568487	2713	500		
C 03530 POD1	C	LE		3	4	3	07	24S	32E	620886	3566156	2777	550		
C 02350	CUB	ED		4	3	10	24S	32E	625826	3566333*		3026	60		
C 03528 POD1	C	LE		1	1	2	15	24S	32E	626040	3566129	3311	541	133	408
C 04712 POD1	CUB	LE		1	4	1	31	23S	32E	620917	3570289	3379	55		
C 04672 POD 1	CUB	ED		2	1	4	01	24S	31E	619762	3568286	3434	110		
C 03529 POD1	C	LE		2	4	3	29	23S	32E	622651	3571212	3492	550		
C 04780 POD1	CUB	LE		1	3	1	34	23S	32E	625364	3570521	3537	80		
C 04687 POD1	CUB	ED		4	2	3	12	24S	31E	619481	3566450	3900	110		

Average Depth to Water: **256 feet**

Minimum Depth: **133 feet**

Maximum Depth: **380 feet**

Record Count: 10

UTMNAD83 Radius Search (in meters):

Easting (X): 623156

Northing (Y): 3567757

Radius: 4000

*UTM location was derived from PLSS - see Help

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

12/17/23 3:20 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



WELL PLUGGING PLAN OF OPERATIONS



NOTE: A Well Plugging Plan of Operations shall be filed with and accepted by the Office of the State Engineer prior to plugging. This form may be used to plug a single well, or if you are plugging multiple monitoring wells on the same site using the same plugging methodology.

Alert! Your well may be eligible to participate in the Aquifer Mapping Program (AMP)-NM Bureau of Geology geoinfo.nmt.edu/resources/water/cgmn/ if within an area of interest and meets the minimum construction requirements, such as there is still water in your well, and the well construction reflected in a well record and log is not compromised, contact AMP at 575-835-5038 or -6951, or by email nmbg-waterlevels@nmt.edu, prior to completing this prior form. Showing proof to the OSE that your well was accepted in this program, may delay the plugging of your well until a later date.

I. FILING FEE: There is no filing fee for this form.

II. GENERAL / WELL OWNERSHIP: ☐ Check here if proposing one plan for multiple monitoring wells on the same site and attaching WD-08m

Existing Office of the State Engineer POD Number (Well Number) for well to be plugged: C-4775-POD1

Name of well owner: Devon Energy Resources

Mailing address: 205 E Bender Road # 150 County: Lea

City: Hobbs State: NM Zip code: 88240

Phone number: 405-318-4697 E-mail: Dale.Woodall@DVN.com

III. WELL DRILLER INFORMATION:

Well Driller contracted to provide plugging services: Vision Resources, Jason Maley

New Mexico Well Driller License No.: 1833 Expiration Date: 10/07/2023

IV. WELL INFORMATION: ☐ Check here if this plan describes method for plugging multiple monitoring wells on the same site and attach supplemental form WD-08m and skip to #2 in this section.

Note: A copy of the existing Well Record for the well(s) to be plugged should be attached to this plan.

1) GPS Well Location: Latitude: 32 deg, 14 min, 26.8944 sec
Longitude: -103 deg, 42 min, 26.1864 sec, NAD 83

2) Reason(s) for plugging well(s):

32.240804,-103.707274 - No water found

3) Was well used for any type of monitoring program? no If yes, please use section VII of this form to detail what hydrogeologic parameters were monitored. If the well was used to monitor contaminated or poor quality water, authorization from the New Mexico Environment Department may be required prior to plugging.

4) Does the well tap brackish, saline, or otherwise poor quality water? no If yes, provide additional detail, including analytical results and/or laboratory report(s):

5) Static water level: No water feet below land surface / feet above land surface (circle one)

6) Depth of the well: 105 feet

- 7) Inside diameter of innermost casing: 2 inches.
- 8) Casing material: PVC
- 9) The well was constructed with:
☐ an open-hole production interval, state the open interval: _____
☒ a well screen or perforated pipe, state the screened interval(s): 100-105 Feet
- 10) What annular interval surrounding the artesian casing of this well is cement-grouted? None
- 11) Was the well built with surface casing? no If yes, is the annulus surrounding the surface casing grouted or otherwise sealed? _____ If yes, please describe:
- 12) Has all pumping equipment and associated piping been removed from the well? Yes If not, describe remaining equipment and intentions to remove prior to plugging in Section VII of this form.

V. DESCRIPTION OF PLANNED WELL PLUGGING: ☐ If plugging method differs between multiple wells on same site, a separate form must be completed for each method.

Note: If this plan proposes to plug an artesian well in a way other than with cement grout, placed bottom to top with a tremie pipe, a detailed diagram of the well showing proposed final plugged configuration shall be attached, as well as any additional technical information, such as geophysical logs, that are necessary to adequately describe the proposal. Attach a copy of any signed OSE variance to this plugging plan.

Also, if this planned plugging plan requires a variance to 19.27.4 NMAC, attach a detailed variance request signed by the applicant.

- 1) Describe the method by which cement grout shall be placed in the well, or describe requested plugging methodology proposed for the well:

Temporary PVC casing will be removed and approximately 9.4 Cubic feet bentonite chips will be placed in well.
- 2) Will well head be cut-off below land surface after plugging? No well head will be installed.

VI. PLUGGING AND SEALING MATERIALS:

Note: The plugging of a well that taps poor quality water may require the use of a specialty cement or specialty sealant. Attach a copy of the batch mix recipe from the cement company and/or product description for specialty cement mixes or any sealant that deviates from the list of OSE approved sealants.

- 1) For plugging intervals that employ cement grout, complete and attach Table A.
- 2) For plugging intervals that will employ approved non-cement based sealant(s), complete and attach Table B.
- 3) Theoretical volume of grout required to plug the well to land surface: DNA
- 4) Type of Cement proposed: DNA
- 5) Proposed cement grout mix: DNA gallons of water per 94 pound sack of Portland cement.
- 6) Will the grout be: DNA batch-mixed and delivered to the site
DNA mixed on site

- 7) Grout additives requested, and percent by dry weight relative to cement:

Grout not planned

- 8) Additional notes and calculations:

VII. ADDITIONAL INFORMATION: List additional information below, or on separate sheet(s):

Devon plans to have a licensed water well driller install an exploratory soil boring on location to determine the depth of groundwater. The soil boring will be installed up to a depth of 105 feet below ground surface (ft bgs). Temporary PVC well material will be placed to a depth of the boring and secured at the surface. The temporary well will be in place for a minimum of 72 hours at which time the well will be gauged for the presence of water. If water is encountered at any point during the boring installation, the soil boring will be plugged using a slurry of Portland Type 1/11 Neat Cement less than 6.0 gallons of water per 94 lb sack. If no water is encountered, the boring will be plugged using hydrated bentonite with drill cuttings to plug the upper 10 ft. bgs. The event will begin September 25, 2023 and continue through November 06, 2023. Mesa Verde 6 Federal #011 at 32.240804,-103.707274.

VIII. SIGNATURE:

I, Dale Woodall, say that I have carefully read the foregoing Well Plugging Plan of Operations and any attachments, which are a part hereof; that I am familiar with the rules and regulations of the State Engineer pertaining to the plugging of wells and will comply with them, and that each and all of the statements in the Well Plugging Plan of Operations and attachments are true to the best of my knowledge and belief.

Dale Woodall

9/14/2023

Signature of Applicant

Date

IX. ACTION OF THE STATE ENGINEER:

This Well Plugging Plan of Operations is:

☒ Approved subject to the attached conditions.
☐ Not approved for the reasons provided on the attached letter.

Witness my hand and official seal this 25th day of September, 2023



Mike A. Hamman P.E. New Mexico State Engineer

By: K. Parekh

KASHYAP PAREKH

W.R.M. I

WD-08 Well Plugging Plan
Version: March 07, 2022
Page 3 of 5

TABLE A - For plugging intervals that employ cement grout. Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of grout placement (ft bgl)	Does Not Apply (DNA)	DNA	DNA
Bottom of proposed interval of grout placement (ft bgl)	DNA	DNA	DNA
Theoretical volume of grout required per interval (gallons)	DNA	DNA	DNA
Proposed cement grout mix gallons of water per 94-lb. sack of Portland cement	DNA	DNA	DNA
Mixed on-site or batch-mixed and delivered?	DNA	DNA	DNA
Grout additive 1 requested	DNA	DNA	DNA
Additive 1 percent by dry weight relative to cement	DNA	DNA	DNA
Grout additive 2 requested	DNA	DNA	DNA
Additive 2 percent by dry weight relative to cement	DNA	DNA	DNA

TABLE B - For plugging intervals that will employ approved non-cement based sealant(s). Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of sealant placement (ft bgl)	1-ft. Fill to one-ft below ground surface. Top 1-ft will be filled with soil backfill.		Zero feet below grade.
Bottom of proposed sealant of grout placement (ft bgl)	Bottom 105.0-ft. 0-20': Pour from surface 20' to 105': Tremie in bentonite chips.		
Theoretical volume of sealant required per interval (gallons)	Under a 100 gallons of water/enough to be adequate for hydrating the bentonite		
Proposed abandonment sealant (manufacturer and trade name)	Wyoming Bentonite		



STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER
ROSWELL

1900 West Second St.
 Roswell, New Mexico 88201
 Phone: (575) 622-6521
 Fax: (575) 623- 8559

Applicant has identified wells, listed below, to be plugged. Jason Maley (Vision Resources) (WD-1833) will perform the plugging.

Permittee: Devon Energy
 NMOSE Permit Number: C-4775-POD1

NMOSE File	Casing diameter (inches)	Well depth (feet bgl)	Approximate static water level (feet bgl)	Latitude	Longitude
C-4775-POD1	6.5 (Soil Boring)	55	Unknown	32° 14' 26.8944"	103° 42' 26.1864"

Specific Plugging Conditions of Approval for Well located in Eddy County, New Mexico.

1. Water well drilling and well drilling activities, including well plugging, are regulated under 19.27.4 NMAC, which requires any person engaged in the business of well drilling within New Mexico to obtain a Well Driller License issued by the New Mexico Office of the State Engineer (NMOSE). Therefore, the firm of a New Mexico licensed Well Driller shall perform the well plugging.

2. Ground Water encountered: The total Theoretical volume of sealant required for abandonment of soil boring well is approximately 94.0 gallons. Total minimum volume of necessary sealant shall be calculated upon sounding the actual pluggable depth of well, which is estimated at 55 feet.

3. Dry Hole: The total Theoretical volume of sealant required for abandonment of soil boring well is approximately 17.2 gallons. Total minimum volume of necessary sealant shall be calculated upon sounding the actual pluggable depth of well, which is estimated at 10 feet.

4. Ground Water encountered: Type I/II Portland cement mixed with 5.2 to 6.0 gallons of fresh water per 94-lb sack of cement is approved for the plugging the well.

5. Dry Hole: (a) Drill cuttings up to ten feet of land surface. (b) 10 feet to 0 feet – Hydrated bentonite. The bentonite shall be hydrated separately with its required increments of water prior to being mixed into the cement slurry.

6. Sealant shall be placed by pumping through a tremie pipe extended to near well bottom and kept below top of the slurry column as the well is plugged from bottom-upwards in a manner that displaces

the standing water column upwards from below. Tremie pipe may be pulled as necessary to retain minimal submergence in the advancing column of sealant.

7. Should cement “shrinks-back” occur in the well, use of a tremie for topping off is required for cement placement deeper than 20 feet below land surface or if water is present in the casing. The approved sealant for topping off is identified in condition 3. and 4. of these Specific Conditions of Approval.

8. Any open annulus encountered surrounding the casing shall also be sealed by the placement of the approved sealant. When plugging shallow wells with no construction or environmental concerns, and if the well record on a well to be plugged shows a proper 20-foot annular seal, a plugging plan can propose the use of clean fill material to a nominal 30 feet bgs, then placing an OSE approved sealant to surface. Lacking that information, we would require an excavation of at least 2-feet which shall then be filled in its entirety with sealant to surface.

9. Should the NMED, or another regulatory agency sharing jurisdiction of the project authorize, or by regulation require a more stringent well plugging procedure than herein acknowledged, the more-stringent procedure should be followed. This, in part, includes provisions regarding pre-authorization to proceed, contaminant remediation, inspection, pulling/perforating of casing, or prohibition of free discharge of any fluid from the borehole during or related to the plugging process.

10. NMOSE witnessing of the plugging of the soil boring will not be required.

11. Any deviation from this plan must obtain an approved variance from this office prior to implementation.

12. A Well Plugging Record itemizing actual abandonment process and materials used shall be filed with the State Engineer within 30 days after completion of well plugging. For the plugging record, please resurvey coordinate location for well and note coordinate system for GPS unit. Please attach a copy of these plugging conditions.

The NMOSE Well Plugging Plan of Operations is hereby approved with the aforesaid conditions applied.

Witness my hand and seal this 21st day of September 2023

Mike A. Hamman, P.E. State Engineer

By: K. Parekh

Kashyap Parekh
Water Resources Manager I





STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER
ROSWELL

Mike A. Hamman, P.E.
State Engineer

DISTRICT II
1900 West Second St.
Roswell, New Mexico 88201
Phone: (575) 622-6521
Fax: (575) 623-8559

September 21, 2023

Devon Energy
205 East Bender Road # 150
Artesia, NM 88210

RE: Well Plugging Plan of Operations for well no. C-4775-POD1

Greetings:

Enclosed is your copy of the Well Plugging Plan of Operations for the above referenced well subject to the attached Conditions of Approval. The proposed method of operation is found to be acceptable and in accordance with the Rules and Regulations Governing Well Driller Licensing; Construction, Repair and Plugging of Wells 19.27.4 NMAC adopted June 30, 2017 by the State Engineer. subject to the attached Conditions of Approval.

Within 30 days after the well is plugged, the well driller is required to file a complete plugging record with the OSE and the permit holder.

Sincerely,


A handwritten signature in black ink, appearing to read "K. Parekh", written over a horizontal line.

Kashyap Parekh
Water Resources Manager I



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 03555 POD1	2	2	1	05	24S	32E	622748	3569233 
Driller License: 1654		Driller Company:				NOT WORKING FOR HIRE--SIRMAN DRILLING AND CONSTRUC			
Driller Name:									
Drill Start Date:	10/20/2013	Drill Finish Date:				10/21/2013		Plug Date:	
Log File Date:	11/07/2013	PCW Rcv Date:						Source:	Shallow
Pump Type:		Pipe Discharge Size:						Estimated Yield:	5 GPM
Casing Size:	6.00	Depth Well:				600 feet		Depth Water:	380 feet
x									
Water Bearing Stratifications:				Top	Bottom	Description			
				475	550	Sandstone/Gravel/Conglomerate			
x									
Casing Perforations:				Top	Bottom				
				460	520				
x									

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

12/17/23 3:21 PM

POINT OF DIVERSION SUMMARY



USGS Home
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National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

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- [Full News](#)

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 321428103395801

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

USGS 321428103395801 24S.32E.03.32124

Lea County, New Mexico
Latitude 32°14'28", Longitude 103°39'58" NAD27
Land-surface elevation 3,653 feet above NAVD88
The depth of the well is 550 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1976-01-22			D	62610	3196.84	NGVD29	1	Z		
1976-01-22			D	62611	3198.57	NAVD88	1	Z		
1976-01-22			D	72019	454.43		1	Z		

Explanation

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

Section	Code	Description
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)
Title: Groundwater for New Mexico: Water Levels
URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2023-12-17 17:26:51 EST
0.27 0.24 nadww02

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

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- Explore the NEW [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
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Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 321312103395601

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

USGS 321312103395601 24S.32E.10.344333

Lea County, New Mexico
Latitude 32°13'30.4", Longitude 103°39'52.7" NAD83
Land-surface elevation 3,589.00 feet above NGVD29
The depth of the well is 60 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1950-04-13			D 62610		3555.36	NGVD29	1		Z	
1950-04-13			D 62611		3557.09	NAVD88	1		Z	
1950-04-13			D 72019	33.64			1		Z	
1955-06-03			D 62610		3557.10	NGVD29	P		Z	
1955-06-03			D 62611		3558.83	NAVD88	P		Z	
1955-06-03			D 72019	31.90			P		Z	
1976-01-22			D 62610		3557.20	NGVD29	1		Z	
1976-01-22			D 62611		3558.93	NAVD88	1		Z	
1976-01-22			D 72019	31.80			1		Z	
1981-03-20			D 62610		3569.07	NGVD29	1		Z	
1981-03-20			D 62611		3570.80	NAVD88	1		Z	
1981-03-20			D 72019	19.93			1		Z	
1986-03-18			D 62610		3551.84	NGVD29	1		Z	
1986-03-18			D 62611		3553.57	NAVD88	1		Z	

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	
1986-03-18		D	72019	37.16		1	Z
1991-05-29		D	62610		3549.36	NGVD29	1
1991-05-29		D	62611		3551.09	NAVD88	1
1991-05-29		D	72019	39.64		1	Z
1996-03-14		D	62610		3550.80	NGVD29	1
1996-03-14		D	62611		3552.53	NAVD88	1
1996-03-14		D	72019	38.20		1	S
2001-02-27		D	62610		3552.42	NGVD29	1
2001-02-27		D	62611		3554.15	NAVD88	1
2001-02-27		D	72019	36.58		1	S
2006-02-07 16:30 UTC		m	62610		3569.60	NGVD29	1
2006-02-07 16:30 UTC		m	62611		3571.33	NAVD88	1
2006-02-07 16:30 UTC		m	72019	19.40		1	S
2010-12-16 22:30 UTC		m	62610		3555.04	NGVD29	1
2010-12-16 22:30 UTC		m	62611		3556.77	NAVD88	1
2010-12-16 22:30 UTC		m	72019	33.96		1	S

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions or Comments

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Title: Groundwater for New Mexico: Water Levels

URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?



Page Contact Information: New Mexico Water Data Maintainer

Page Last Modified: 2023-12-17 17:28:06 EST

0.29 0.24 nadww01


12/17/23, 4:28 PM

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



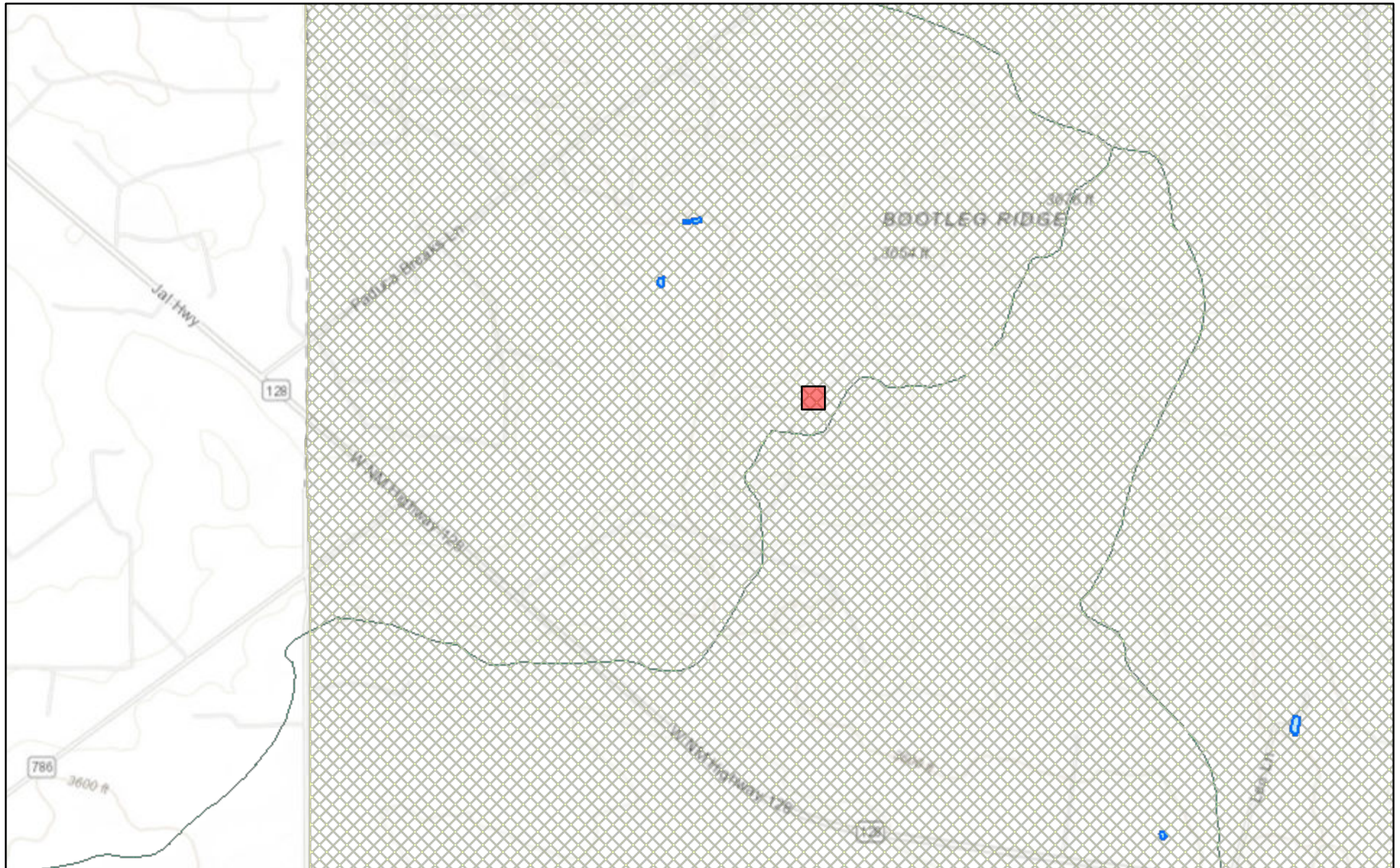
New Mexico Office of the State Engineer

Point of Diversion Summary

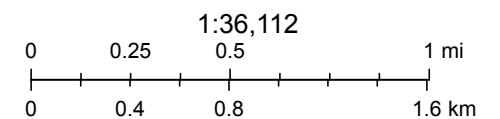
		(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)				(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y		
C	03528 POD1	1	1	2	15	24S	32E	626040	3566129		
<hr/>											
Driller License:		1682		Driller Company:			HUNGRY HORSE, LLC.				
Driller Name:		NORRIS, JOHN D. (LD)									
Drill Start Date:		02/20/2012			Drill Finish Date:			03/12/2012		Plug Date:	
Log File Date:		04/30/2012			PCW Rev Date:					Source: Shallow	
Pump Type:		SUBMER			Pipe Discharge Size:					Estimated Yield:	
Casing Size:		6.38			Depth Well:			541 feet		Depth Water: 133 feet	
<hr/>											
Water Bearing Stratifications:					Top	Bottom	Description				
					133	152	Sandstone/Gravel/Conglomerate				
<hr/>											
Casing Perforations:					Top	Bottom					
					0	541					
<hr/>											

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New Mexico NFHL Data



December 17, 2023



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

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APPENDIX E

CARMONA RESOURCES





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

December 27, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: GIN AND TECTONIC FEDERAL COM 502H

Enclosed are the results of analyses for samples received by the laboratory on 12/22/23 10:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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:	12/22/2023	Sampling Date:	12/21/2023
Reported:	12/27/2023	Sampling Type:	Soil
Project Name:	GIN AND TECTONIC FEDERAL COM 502H	Sampling Condition:	Cool & Intact
Project Number:	2220	Sample Received By:	Shalyn Rodriguez
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: S - 1 (0-0.5') (H236821-01)

BTX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	16.1	1.00	12/22/2023	ND	2.20	110	2.00	2.02	
Toluene*	107	1.00	12/22/2023	ND	2.23	112	2.00	1.82	
Ethylbenzene*	47.6	1.00	12/22/2023	ND	2.23	112	2.00	1.61	
Total Xylenes*	226	3.00	12/22/2023	ND	6.69	111	6.00	1.40	
Total BTX	397	6.00	12/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 154 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3120	16.0	12/27/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	4630	50.0	12/27/2023	ND	187	93.3	200	3.51	
DRO >C10-C28*	11600	50.0	12/27/2023	ND	155	77.7	200	20.4	
EXT DRO >C28-C36	2040	50.0	12/27/2023	ND					

Surrogate: 1-Chlorooctane 561 % 48.2-134

Surrogate: 1-Chlorooctadecane 254 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/22/2023
 Reported: 12/27/2023
 Project Name: GIN AND TECTONIC FEDERAL COM 502H
 Project Number: 2220
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 12/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 1 (1.5') (H236821-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.088	0.050	12/22/2023	ND	2.20	110	2.00	2.02	
Toluene*	0.812	0.050	12/22/2023	ND	2.23	112	2.00	1.82	
Ethylbenzene*	0.577	0.050	12/22/2023	ND	2.23	112	2.00	1.61	
Total Xylenes*	3.58	0.150	12/22/2023	ND	6.69	111	6.00	1.40	
Total BTEX	5.06	0.300	12/22/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	12/27/2023	ND	416	104	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*	82.7	10.0	12/22/2023	ND	199	99.7	200	1.12	
DRO >C10-C28*	323	10.0	12/22/2023	ND	187	93.7	200	1.70	
EXT DRO >C28-C36	38.4	10.0	12/22/2023	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/22/2023
 Reported: 12/27/2023
 Project Name: GIN AND TECTONIC FEDERAL COM 502H
 Project Number: 2220
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 12/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 1 (2') (H236821-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/22/2023	ND	2.20	110	2.00	2.02	
Toluene*	0.128	0.050	12/22/2023	ND	2.23	112	2.00	1.82	
Ethylbenzene*	0.112	0.050	12/22/2023	ND	2.23	112	2.00	1.61	
Total Xylenes*	0.760	0.150	12/22/2023	ND	6.69	111	6.00	1.40	
Total BTEX	1.01	0.300	12/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/27/2023	ND	416	104	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	12/22/2023	ND	199	99.7	200	1.12	
DRO >C10-C28*	69.3	10.0	12/22/2023	ND	187	93.7	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	12/22/2023	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/22/2023
 Reported: 12/27/2023
 Project Name: GIN AND TECTONIC FEDERAL COM 502H
 Project Number: 2220
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 12/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 2 (0-0.5') (H236821-04)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	7.07	0.500	12/22/2023	ND	2.20	110	2.00	2.02	
Toluene*	73.0	0.500	12/22/2023	ND	2.23	112	2.00	1.82	
Ethylbenzene*	37.9	0.500	12/22/2023	ND	2.23	112	2.00	1.61	
Total Xylenes*	180	1.50	12/22/2023	ND	6.69	111	6.00	1.40	
Total BTEX	298	3.00	12/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 215 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2840	16.0	12/27/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2790	10.0	12/22/2023	ND	199	99.7	200	1.12	
DRO >C10-C28*	7830	10.0	12/22/2023	ND	187	93.7	200	1.70	
EXT DRO >C28-C36	1480	10.0	12/22/2023	ND					

Surrogate: 1-Chlorooctane 168 % 48.2-134

Surrogate: 1-Chlorooctadecane 173 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/22/2023
 Reported: 12/27/2023
 Project Name: GIN AND TECTONIC FEDERAL COM 502H
 Project Number: 2220
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 12/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 3 (0-0.5') (H236821-05)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	7.71	2.00	12/22/2023	ND	2.20	110	2.00	2.02	
Toluene*	66.2	2.00	12/22/2023	ND	2.23	112	2.00	1.82	
Ethylbenzene*	30.3	2.00	12/22/2023	ND	2.23	112	2.00	1.61	
Total Xylenes*	168	6.00	12/22/2023	ND	6.69	111	6.00	1.40	
Total BTX	273	12.0	12/22/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2520	16.0	12/27/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2690	10.0	12/22/2023	ND	199	99.7	200	1.12	
DRO >C10-C28*	8070	10.0	12/22/2023	ND	187	93.7	200	1.70	
EXT DRO >C28-C36	1600	10.0	12/22/2023	ND					

Surrogate: 1-Chlorooctane 170 % 48.2-134

Surrogate: 1-Chlorooctadecane 180 % 49.1-148

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Analytical Results For:

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

Received: 12/22/2023
 Reported: 12/27/2023
 Project Name: GIN AND TECTONIC FEDERAL COM 502H
 Project Number: 2220
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 12/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 3 (1.5') (H236821-06)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.43	2.00	12/22/2023	ND	2.20	110	2.00	2.02	
Toluene*	35.6	2.00	12/22/2023	ND	2.23	112	2.00	1.82	
Ethylbenzene*	16.9	2.00	12/22/2023	ND	2.23	112	2.00	1.61	
Total Xylenes*	96.6	6.00	12/22/2023	ND	6.69	111	6.00	1.40	
Total BTEX	151	12.0	12/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	12/27/2023	ND	416	104	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*	1200	10.0	12/22/2023	ND	199	99.7	200	1.12	
DRO >C10-C28*	2600	10.0	12/22/2023	ND	187	93.7	200	1.70	
EXT DRO >C28-C36	486	10.0	12/22/2023	ND					

Surrogate: 1-Chlorooctane 128 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.4 % 49.1-148

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Analytical Results For:

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

Received: 12/22/2023
 Reported: 12/27/2023
 Project Name: GIN AND TECTONIC FEDERAL COM 502H
 Project Number: 2220
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 12/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 4 (0-0.5') (H236821-07)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/22/2023	ND	2.20	110	2.00	2.02		
Toluene*	0.057	0.050	12/22/2023	ND	2.23	112	2.00	1.82		
Ethylbenzene*	<0.050	0.050	12/22/2023	ND	2.23	112	2.00	1.61		
Total Xylenes*	<0.150	0.150	12/22/2023	ND	6.69	111	6.00	1.40		
Total BTEX	<0.300	0.300	12/22/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	12/27/2023	ND	416	104	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	12/22/2023	ND	199	99.7	200	1.12	
DRO >C10-C28*	<10.0	10.0	12/22/2023	ND	187	93.7	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	12/22/2023	ND					

Surrogate: 1-Chlorooctane 79.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 49.1-148

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Analytical Results For:

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

Received: 12/22/2023
 Reported: 12/27/2023
 Project Name: GIN AND TECTONIC FEDERAL COM 502H
 Project Number: 2220
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 12/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 4 (1.5') (H236821-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.14	2.00	12/27/2023	ND	2.20	110	2.00	2.02	
Toluene*	23.5	2.00	12/27/2023	ND	2.23	112	2.00	1.82	
Ethylbenzene*	11.3	2.00	12/27/2023	ND	2.23	112	2.00	1.61	
Total Xylenes*	65.3	6.00	12/27/2023	ND	6.69	111	6.00	1.40	
Total BTEX	102	12.0	12/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	12/27/2023	ND	416	104	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*	515	10.0	12/22/2023	ND	199	99.7	200	1.12	
DRO >C10-C28*	1880	10.0	12/22/2023	ND	187	93.7	200	1.70	
EXT DRO >C28-C36	382	10.0	12/22/2023	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.5 % 49.1-148

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CARMONA RESOURCES
 CONNER MOEHRING
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 MIDLAND TX, 79701
 Fax To:

Received: 12/22/2023
 Reported: 12/27/2023
 Project Name: GIN AND TECTONIC FEDERAL COM 502H
 Project Number: 2220
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 12/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 5 (0-0.5') (H236821-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/27/2023	ND	2.20	110	2.00	2.02		
Toluene*	<0.050	0.050	12/27/2023	ND	2.23	112	2.00	1.82		
Ethylbenzene*	<0.050	0.050	12/27/2023	ND	2.23	112	2.00	1.61		
Total Xylenes*	<0.150	0.150	12/27/2023	ND	6.69	111	6.00	1.40		
Total BTEx	<0.300	0.300	12/27/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	12/27/2023	ND	416	104	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	12/27/2023	ND	199	99.7	200	1.12	
DRO >C10-C28*	37.2	10.0	12/27/2023	ND	187	93.7	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	12/27/2023	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.2 % 49.1-148

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Analytical Results For:

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

Received: 12/22/2023
 Reported: 12/27/2023
 Project Name: GIN AND TECTONIC FEDERAL COM 502H
 Project Number: 2220
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 12/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 5 (1.5') (H236821-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/22/2023	ND	2.20	110	2.00	2.02		
Toluene*	<0.050	0.050	12/22/2023	ND	2.23	112	2.00	1.82		
Ethylbenzene*	<0.050	0.050	12/22/2023	ND	2.23	112	2.00	1.61		
Total Xylenes*	<0.150	0.150	12/22/2023	ND	6.69	111	6.00	1.40		
Total BTEx	<0.300	0.300	12/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/27/2023	ND	416	104	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	12/22/2023	ND	199	99.7	200	1.12	
DRO >C10-C28*	<10.0	10.0	12/22/2023	ND	187	93.7	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	12/22/2023	ND					

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

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

Received: 12/22/2023
 Reported: 12/27/2023
 Project Name: GIN AND TECTONIC FEDERAL COM 502H
 Project Number: 2220
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 12/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 1 (0-0.5') (H236821-11)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/22/2023	ND	2.20	110	2.00	2.02		
Toluene*	<0.050	0.050	12/22/2023	ND	2.23	112	2.00	1.82		
Ethylbenzene*	<0.050	0.050	12/22/2023	ND	2.23	112	2.00	1.61		
Total Xylenes*	<0.150	0.150	12/22/2023	ND	6.69	111	6.00	1.40		
Total BTEX	<0.300	0.300	12/22/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	12/27/2023	ND	416	104	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	12/22/2023	ND	199	99.7	200	1.12	
DRO >C10-C28*	<10.0	10.0	12/22/2023	ND	187	93.7	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	12/22/2023	ND					

Surrogate: 1-Chlorooctane 66.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.1 % 49.1-148

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Analytical Results For:

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

Received: 12/22/2023
 Reported: 12/27/2023
 Project Name: GIN AND TECTONIC FEDERAL COM 502H
 Project Number: 2220
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 12/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 2 (0-0.5') (H236821-12)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/22/2023	ND	2.20	110	2.00	2.02		
Toluene*	0.117	0.050	12/22/2023	ND	2.23	112	2.00	1.82		
Ethylbenzene*	<0.050	0.050	12/22/2023	ND	2.23	112	2.00	1.61		
Total Xylenes*	<0.150	0.150	12/22/2023	ND	6.69	111	6.00	1.40		
Total BTEX	<0.300	0.300	12/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	12/27/2023	ND	416	104	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	12/22/2023	ND	199	99.7	200	1.12	
DRO >C10-C28*	<10.0	10.0	12/22/2023	ND	187	93.7	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	12/22/2023	ND					

Surrogate: 1-Chlorooctane 90.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.2 % 49.1-148

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Analytical Results For:

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

Received: 12/22/2023
 Reported: 12/27/2023
 Project Name: GIN AND TECTONIC FEDERAL COM 502H
 Project Number: 2220
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 12/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 3 (0-0.5') (H236821-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/22/2023	ND	2.20	110	2.00	2.02		
Toluene*	<0.050	0.050	12/22/2023	ND	2.23	112	2.00	1.82		
Ethylbenzene*	<0.050	0.050	12/22/2023	ND	2.23	112	2.00	1.61		
Total Xylenes*	<0.150	0.150	12/22/2023	ND	6.69	111	6.00	1.40		
Total BTEx	<0.300	0.300	12/22/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	12/27/2023	ND	416	104	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	12/22/2023	ND	199	99.7	200	1.12	
DRO >C10-C28*	<10.0	10.0	12/22/2023	ND	187	93.7	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	12/22/2023	ND					

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.7 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/22/2023
 Reported: 12/27/2023
 Project Name: GIN AND TECTONIC FEDERAL COM 502H
 Project Number: 2220
 Project Location: LEA COUNTY, NEW MEXICO

Sampling Date: 12/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 4 (0-0.5') (H236821-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/22/2023	ND	2.20	110	2.00	2.02		
Toluene*	<0.050	0.050	12/22/2023	ND	2.23	112	2.00	1.82		
Ethylbenzene*	<0.050	0.050	12/22/2023	ND	2.23	112	2.00	1.61		
Total Xylenes*	<0.150	0.150	12/22/2023	ND	6.69	111	6.00	1.40		
Total BTEx	<0.300	0.300	12/22/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	12/27/2023	ND	416	104	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	12/22/2023	ND	199	99.7	200	1.12	
DRO >C10-C28*	<10.0	10.0	12/22/2023	ND	187	93.7	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	12/22/2023	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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

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

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: 4236821

Page 1 of 2

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

Work Order Comments	
Program:	UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting:	Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other: <input type="checkbox"/>

Project Name:		Gin and Tectonic Federal Com 502H		Turn Around				ANALYSIS REQUEST												Preservative Codes							
Project Number:		2220		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code														None: NO DI Water: H ₂ O							
Project Location		Lea County, New Mexico		Due Date:		24 HR														Cool: Cool MeOH: Me							
Sampler's Name:		FV																		HCL: HC HNO ₃ : HN							
PO #:																				H ₂ SO ₄ : H ₂ NaOH: Na							
SAMPLE RECEIPT		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>														H ₃ PO ₄ : HP					
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		198														NaHSO ₄ : NABIS							
Cooler Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		Correction Factor:																Na ₂ S ₂ O ₃ : NaSO ₃							
Sample Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		Temperature Reading:		1.62														Zn Acetate+NaOH: Zn							
Total Containers:				Corrected Temperature:																NaOH+Ascorbic Acid: SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments	
S-1 (0-0.5')		12/21/2023				X				G		1		X X X												1	
S-1 (1.5')		12/21/2023				X				G		1		X X X												2	
S-1 (2')		12/21/2023				X				G		1		X X X												3	
S-2 (0-0.5')		12/21/2023				X				G		1		X X X												4	
S-3 (0-0.5')		12/21/2023				X				G		1		X X X												5	
S-3 (1.5')		12/21/2023				X				G		1		X X X												6	
S-4 (0-0.5')		12/21/2023				X				G		1		X X X												7	
S-4 (1.5')		12/21/2023				X				G		1		X X X												8	
S-5 (0-0.5')		12/21/2023				X				G		1		X X X												9	
S-5 (1.5')		12/21/2023				X				G		1		X X X												10	

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
Fabian Vargas		12/22/23 1:00		Shackleton			

Work Order No: HA36821

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Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/16/2024 8:18:25 PM

JOB DESCRIPTION

Gin and Tectonic Federal Com 502H
Lea County, New Mexico

JOB NUMBER

880-37989-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



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1/16/2024 8:18:25 PM

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

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Laboratory Job ID: 880-37989-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
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.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
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: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1

Job ID: 880-37989-1

Eurofins Midland

Job Narrative
880-37989-1

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

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

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

Receipt

The samples were received on 1/16/2024 8:38 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 -11.2°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (2') (880-37989-1), CS-2 (2') (880-37989-2), CS-3 (2') (880-37989-3), CS-4 (2') (880-37989-4), CS-5 (2') (880-37989-5), CS-6 (1.5') (880-37989-6), CS-7 (1.5') (880-37989-7), CS-8 (2') (880-37989-8), CS-9 (2') (880-37989-9), SW-1 (2') (880-37989-10), SW-2 (2') (880-37989-11), SW-3 (2') (880-37989-12), SW-4 (2') (880-37989-13), SW-5 (2') (880-37989-14), SW-6 (2') (880-37989-15), SW-7 (1.5') (880-37989-16), SW-8 (1.5') (880-37989-17), SW-9 (1.5') (880-37989-18), SW-10 (1.5') (880-37989-19), SW-11 (2') (880-37989-20), SW-12 (2') (880-37989-21), SW-13 (2') (880-37989-22) and SW-14 (2') (880-37989-23).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-3 (2') (880-37989-3), CS-5 (2') (880-37989-5), CS-7 (1.5') (880-37989-7) and CS-8 (2') (880-37989-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW-11 (2') (880-37989-20), SW-13 (2') (880-37989-22), (880-37989-A-20-D MS) and (880-37989-A-20-E MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-70989 and analytical batch 880-70978 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCSD 880-70989/2-A). Evidence of matrix interferences is not obvious.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-70989 and analytical batch 880-70978 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW-1 (2') (880-37989-10), SW-2 (2') (880-37989-11), SW-4 (2') (880-37989-13) and SW-6 (2') (880-37989-15). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: SW-7 (1.5') (880-37989-16). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-70975/2-A). Evidence of matrix interferences is not obvious.

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1

Job ID: 880-37989-1 (Continued) Eurofins Midland

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-70975 and analytical batch 880-70963 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: CS-9 (2') (880-37989-9). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-70830 and analytical batch 880-70991 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.

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

Client Sample ID: CS-1 (2')

Lab Sample ID: 880-37989-1

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 15:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 15:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 15:06	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/16/24 09:00	01/16/24 15:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 15:06	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/16/24 09:00	01/16/24 15:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	01/16/24 09:00	01/16/24 15:06	1
1,4-Difluorobenzene (Surr)	74		70 - 130	01/16/24 09:00	01/16/24 15:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/16/24 15:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			01/16/24 10:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		01/16/24 09:23	01/16/24 10:58	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		01/16/24 09:23	01/16/24 10:58	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		01/16/24 09:23	01/16/24 10:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	01/16/24 09:23	01/16/24 10:58	1
o-Terphenyl	104		70 - 130	01/16/24 09:23	01/16/24 10:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.19		5.00		mg/Kg			01/16/24 10:07	1

Client Sample ID: CS-2 (2')

Lab Sample ID: 880-37989-2

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 12:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 12:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 12:22	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/16/24 09:00	01/16/24 12:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 12:22	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/16/24 09:00	01/16/24 12:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	01/16/24 09:00	01/16/24 12:22	1
1,4-Difluorobenzene (Surr)	85		70 - 130	01/16/24 09:00	01/16/24 12:22	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

Client Sample ID: CS-2 (2')

Lab Sample ID: 880-37989-2

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/16/24 12:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/16/24 12:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/16/24 09:23	01/16/24 12:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/16/24 09:23	01/16/24 12:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/16/24 09:23	01/16/24 12:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				01/16/24 09:23	01/16/24 12:03	1
o-Terphenyl	79		70 - 130				01/16/24 09:23	01/16/24 12:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			01/16/24 10:22	1

Client Sample ID: CS-3 (2')

Lab Sample ID: 880-37989-3

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/16/24 09:00	01/16/24 12:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/16/24 09:00	01/16/24 12:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/16/24 09:00	01/16/24 12:42	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/16/24 09:00	01/16/24 12:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/16/24 09:00	01/16/24 12:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/16/24 09:00	01/16/24 12:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130				01/16/24 09:00	01/16/24 12:42	1
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130				01/16/24 09:00	01/16/24 12:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/16/24 12:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/16/24 12:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/16/24 09:23	01/16/24 12:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/16/24 09:23	01/16/24 12:25	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

Client Sample ID: CS-3 (2')

Lab Sample ID: 880-37989-3

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/16/24 09:23	01/16/24 12:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				01/16/24 09:23	01/16/24 12:25	1
o-Terphenyl	81		70 - 130				01/16/24 09:23	01/16/24 12:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			01/16/24 10:27	1

Client Sample ID: CS-4 (2')

Lab Sample ID: 880-37989-4

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/16/24 09:00	01/16/24 13:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/16/24 09:00	01/16/24 13:03	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/16/24 09:00	01/16/24 13:03	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/16/24 09:00	01/16/24 13:03	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/16/24 09:00	01/16/24 13:03	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/16/24 09:00	01/16/24 13:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130				01/16/24 09:00	01/16/24 13:03	1
1,4-Difluorobenzene (Surr)	86		70 - 130				01/16/24 09:00	01/16/24 13:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			01/16/24 13:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			01/16/24 12:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		01/16/24 09:23	01/16/24 12:47	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/16/24 09:23	01/16/24 12:47	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/16/24 09:23	01/16/24 12:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				01/16/24 09:23	01/16/24 12:47	1
o-Terphenyl	81		70 - 130				01/16/24 09:23	01/16/24 12:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04	U	5.04		mg/Kg			01/16/24 10:33	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

Client Sample ID: CS-5 (2')

Lab Sample ID: 880-37989-5

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/16/24 09:00	01/16/24 13:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/16/24 09:00	01/16/24 13:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/16/24 09:00	01/16/24 13:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/16/24 09:00	01/16/24 13:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/16/24 09:00	01/16/24 13:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/16/24 09:00	01/16/24 13:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	63	S1-	70 - 130	01/16/24 09:00	01/16/24 13:23	1
1,4-Difluorobenzene (Surr)	80		70 - 130	01/16/24 09:00	01/16/24 13:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/16/24 13:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/16/24 13:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/16/24 09:23	01/16/24 13:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/16/24 09:23	01/16/24 13:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/16/24 09:23	01/16/24 13:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	01/16/24 09:23	01/16/24 13:08	1
o-Terphenyl	80		70 - 130	01/16/24 09:23	01/16/24 13:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			01/16/24 10:38	1

Client Sample ID: CS-6 (1.5')

Lab Sample ID: 880-37989-6

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/16/24 09:00	01/16/24 13:44	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/16/24 09:00	01/16/24 13:44	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/16/24 09:00	01/16/24 13:44	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/16/24 09:00	01/16/24 13:44	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/16/24 09:00	01/16/24 13:44	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/16/24 09:00	01/16/24 13:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	01/16/24 09:00	01/16/24 13:44	1
1,4-Difluorobenzene (Surr)	83		70 - 130	01/16/24 09:00	01/16/24 13:44	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

Client Sample ID: CS-6 (1.5')

Lab Sample ID: 880-37989-6

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			01/16/24 13:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			01/16/24 13:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		01/16/24 09:23	01/16/24 13:30	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		01/16/24 09:23	01/16/24 13:30	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		01/16/24 09:23	01/16/24 13:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				01/16/24 09:23	01/16/24 13:30	1
o-Terphenyl	87		70 - 130				01/16/24 09:23	01/16/24 13:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			01/16/24 10:53	1

Client Sample ID: CS-7 (1.5')

Lab Sample ID: 880-37989-7

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/16/24 09:00	01/16/24 14:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/16/24 09:00	01/16/24 14:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/16/24 09:00	01/16/24 14:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/16/24 09:00	01/16/24 14:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/16/24 09:00	01/16/24 14:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/16/24 09:00	01/16/24 14:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	63	S1-	70 - 130				01/16/24 09:00	01/16/24 14:04	1
1,4-Difluorobenzene (Surr)	71		70 - 130				01/16/24 09:00	01/16/24 14:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/16/24 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			01/16/24 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		01/16/24 09:23	01/16/24 13:53	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		01/16/24 09:23	01/16/24 13:53	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

Client Sample ID: CS-7 (1.5')

Lab Sample ID: 880-37989-7

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		01/16/24 09:23	01/16/24 13:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				01/16/24 09:23	01/16/24 13:53	1
o-Terphenyl	81		70 - 130				01/16/24 09:23	01/16/24 13:53	1

Method: EPA 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			01/16/24 10:58	1

Client Sample ID: CS-8 (2')

Lab Sample ID: 880-37989-8

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 14:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 14:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 14:25	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/16/24 09:00	01/16/24 14:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 14:25	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/16/24 09:00	01/16/24 14:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	66	S1-	70 - 130				01/16/24 09:00	01/16/24 14:25	1
1,4-Difluorobenzene (Surr)	94		70 - 130				01/16/24 09:00	01/16/24 14:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/16/24 14:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			01/16/24 14:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		01/16/24 09:23	01/16/24 14:15	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		01/16/24 09:23	01/16/24 14:15	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		01/16/24 09:23	01/16/24 14:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				01/16/24 09:23	01/16/24 14:15	1
o-Terphenyl	78		70 - 130				01/16/24 09:23	01/16/24 14:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			01/16/24 11:03	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

Client Sample ID: CS-9 (2')

Lab Sample ID: 880-37989-9

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/16/24 09:00	01/16/24 14:45	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/16/24 09:00	01/16/24 14:45	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/16/24 09:00	01/16/24 14:45	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/16/24 09:00	01/16/24 14:45	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/16/24 09:00	01/16/24 14:45	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/16/24 09:00	01/16/24 14:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	01/16/24 09:00	01/16/24 14:45	1
1,4-Difluorobenzene (Surr)	79		70 - 130	01/16/24 09:00	01/16/24 14:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/16/24 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			01/16/24 14:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		01/16/24 09:23	01/16/24 14:37	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		01/16/24 09:23	01/16/24 14:37	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		01/16/24 09:23	01/16/24 14:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	177	S1+	70 - 130	01/16/24 09:23	01/16/24 14:37	1
o-Terphenyl	171	S1+	70 - 130	01/16/24 09:23	01/16/24 14:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			01/16/24 11:09	1

Client Sample ID: SW-1 (2')

Lab Sample ID: 880-37989-10

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 17:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 17:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 17:45	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/16/24 09:00	01/16/24 17:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 17:45	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/16/24 09:00	01/16/24 17:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	01/16/24 09:00	01/16/24 17:45	1
1,4-Difluorobenzene (Surr)	64	S1-	70 - 130	01/16/24 09:00	01/16/24 17:45	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

Client Sample ID: SW-1 (2')

Lab Sample ID: 880-37989-10

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/16/24 17:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/16/24 14:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/16/24 09:23	01/16/24 14:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/16/24 09:23	01/16/24 14:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/16/24 09:23	01/16/24 14:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				01/16/24 09:23	01/16/24 14:59	1
o-Terphenyl	95		70 - 130				01/16/24 09:23	01/16/24 14:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			01/16/24 11:14	1

Client Sample ID: SW-2 (2')

Lab Sample ID: 880-37989-11

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/16/24 09:00	01/16/24 18:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/16/24 09:00	01/16/24 18:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/16/24 09:00	01/16/24 18:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/16/24 09:00	01/16/24 18:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/16/24 09:00	01/16/24 18:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/16/24 09:00	01/16/24 18:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				01/16/24 09:00	01/16/24 18:06	1
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130				01/16/24 09:00	01/16/24 18:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/16/24 18:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			01/16/24 15:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		01/16/24 09:23	01/16/24 15:43	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/16/24 09:23	01/16/24 15:43	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

Client Sample ID: SW-2 (2')

Lab Sample ID: 880-37989-11

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/16/24 09:23	01/16/24 15:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				01/16/24 09:23	01/16/24 15:43	1
o-Terphenyl	77		70 - 130				01/16/24 09:23	01/16/24 15:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			01/16/24 11:19	1

Client Sample ID: SW-3 (2')

Lab Sample ID: 880-37989-12

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/16/24 09:00	01/16/24 18:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/16/24 09:00	01/16/24 18:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/16/24 09:00	01/16/24 18:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/16/24 09:00	01/16/24 18:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/16/24 09:00	01/16/24 18:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/16/24 09:00	01/16/24 18:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				01/16/24 09:00	01/16/24 18:26	1
1,4-Difluorobenzene (Surr)	82		70 - 130				01/16/24 09:00	01/16/24 18:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/16/24 18:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			01/16/24 16:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		01/16/24 09:23	01/16/24 16:04	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		01/16/24 09:23	01/16/24 16:04	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		01/16/24 09:23	01/16/24 16:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				01/16/24 09:23	01/16/24 16:04	1
o-Terphenyl	83		70 - 130				01/16/24 09:23	01/16/24 16:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.40		5.02		mg/Kg			01/16/24 11:34	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

Client Sample ID: SW-4 (2')

Lab Sample ID: 880-37989-13

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 18:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 18:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 18:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/16/24 09:00	01/16/24 18:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 18:47	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/16/24 09:00	01/16/24 18:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	01/16/24 09:00	01/16/24 18:47	1
1,4-Difluorobenzene (Surr)	63	S1-	70 - 130	01/16/24 09:00	01/16/24 18:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/16/24 18:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			01/16/24 16:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		01/16/24 09:23	01/16/24 16:25	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		01/16/24 09:23	01/16/24 16:25	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		01/16/24 09:23	01/16/24 16:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130	01/16/24 09:23	01/16/24 16:25	1
o-Terphenyl	78		70 - 130	01/16/24 09:23	01/16/24 16:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.24		5.05		mg/Kg			01/16/24 11:39	1

Client Sample ID: SW-5 (2')

Lab Sample ID: 880-37989-14

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 19:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 19:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 19:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/16/24 09:00	01/16/24 19:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 19:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/16/24 09:00	01/16/24 19:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	01/16/24 09:00	01/16/24 19:07	1
1,4-Difluorobenzene (Surr)	82		70 - 130	01/16/24 09:00	01/16/24 19:07	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

Client Sample ID: SW-5 (2')

Lab Sample ID: 880-37989-14

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/16/24 19:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			01/16/24 16:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		01/16/24 09:23	01/16/24 16:47	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		01/16/24 09:23	01/16/24 16:47	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		01/16/24 09:23	01/16/24 16:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				01/16/24 09:23	01/16/24 16:47	1
o-Terphenyl	91		70 - 130				01/16/24 09:23	01/16/24 16:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			01/16/24 11:55	1

Client Sample ID: SW-6 (2')

Lab Sample ID: 880-37989-15

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 19:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 19:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 19:28	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/16/24 09:00	01/16/24 19:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 19:28	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/16/24 09:00	01/16/24 19:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				01/16/24 09:00	01/16/24 19:28	1
1,4-Difluorobenzene (Surr)	64	S1-	70 - 130				01/16/24 09:00	01/16/24 19:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/16/24 19:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			01/16/24 17:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		01/16/24 09:23	01/16/24 17:15	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		01/16/24 09:23	01/16/24 17:15	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

Client Sample ID: SW-6 (2')

Lab Sample ID: 880-37989-15

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		01/16/24 09:23	01/16/24 17:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				01/16/24 09:23	01/16/24 17:15	1
o-Terphenyl	82		70 - 130				01/16/24 09:23	01/16/24 17:15	1

Method: EPA 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			01/16/24 12:00	1

Client Sample ID: SW-7 (1.5')

Lab Sample ID: 880-37989-16

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/16/24 09:00	01/16/24 19:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/16/24 09:00	01/16/24 19:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/16/24 09:00	01/16/24 19:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/16/24 09:00	01/16/24 19:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/16/24 09:00	01/16/24 19:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/16/24 09:00	01/16/24 19:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				01/16/24 09:00	01/16/24 19:48	1
1,4-Difluorobenzene (Surr)	66	S1-	70 - 130				01/16/24 09:00	01/16/24 19:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/16/24 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			01/16/24 17:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		01/16/24 09:23	01/16/24 17:36	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/16/24 09:23	01/16/24 17:36	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/16/24 09:23	01/16/24 17:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				01/16/24 09:23	01/16/24 17:36	1
o-Terphenyl	80		70 - 130				01/16/24 09:23	01/16/24 17:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.7		4.98		mg/Kg			01/16/24 12:05	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

Client Sample ID: SW-8 (1.5')

Lab Sample ID: 880-37989-17

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/16/24 09:00	01/16/24 20:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/16/24 09:00	01/16/24 20:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/16/24 09:00	01/16/24 20:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/16/24 09:00	01/16/24 20:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/16/24 09:00	01/16/24 20:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/16/24 09:00	01/16/24 20:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	01/16/24 09:00	01/16/24 20:09	1
1,4-Difluorobenzene (Surr)	80		70 - 130	01/16/24 09:00	01/16/24 20:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/16/24 20:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/16/24 17:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/16/24 09:23	01/16/24 17:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/16/24 09:23	01/16/24 17:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/16/24 09:23	01/16/24 17:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130	01/16/24 09:23	01/16/24 17:57	1
o-Terphenyl	78		70 - 130	01/16/24 09:23	01/16/24 17:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			01/16/24 12:10	1

Client Sample ID: SW-9 (1.5')

Lab Sample ID: 880-37989-18

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 20:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 20:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 20:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/16/24 09:00	01/16/24 20:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 20:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/16/24 09:00	01/16/24 20:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		70 - 130	01/16/24 09:00	01/16/24 20:29	1
1,4-Difluorobenzene (Surr)	95		70 - 130	01/16/24 09:00	01/16/24 20:29	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

Client Sample ID: SW-9 (1.5')

Lab Sample ID: 880-37989-18

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/16/24 20:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			01/16/24 18:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		01/16/24 09:23	01/16/24 18:18	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/16/24 09:23	01/16/24 18:18	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/16/24 09:23	01/16/24 18:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				01/16/24 09:23	01/16/24 18:18	1
o-Terphenyl	83		70 - 130				01/16/24 09:23	01/16/24 18:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			01/16/24 12:15	1

Client Sample ID: SW-10 (1.5')

Lab Sample ID: 880-37989-19

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 20:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 20:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 20:50	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/16/24 09:00	01/16/24 20:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 20:50	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/16/24 09:00	01/16/24 20:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130				01/16/24 09:00	01/16/24 20:50	1
1,4-Difluorobenzene (Surr)	88		70 - 130				01/16/24 09:00	01/16/24 20:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/16/24 20:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/16/24 18:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/16/24 09:23	01/16/24 18:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/16/24 09:23	01/16/24 18:39	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

Client Sample ID: SW-10 (1.5')

Lab Sample ID: 880-37989-19

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/16/24 09:23	01/16/24 18:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				01/16/24 09:23	01/16/24 18:39	1
o-Terphenyl	77		70 - 130				01/16/24 09:23	01/16/24 18:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			01/16/24 12:20	1

Client Sample ID: SW-11 (2')

Lab Sample ID: 880-37989-20

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1 F2	0.00200		mg/Kg		01/16/24 10:58	01/16/24 14:09	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		01/16/24 10:58	01/16/24 14:09	1
Ethylbenzene	<0.00200	U F1 F2	0.00200		mg/Kg		01/16/24 10:58	01/16/24 14:09	1
m-Xylene & p-Xylene	<0.00401	U F1 F2	0.00401		mg/Kg		01/16/24 10:58	01/16/24 14:09	1
o-Xylene	<0.00200	U F1 F2	0.00200		mg/Kg		01/16/24 10:58	01/16/24 14:09	1
Xylenes, Total	<0.00401	U F1 F2	0.00401		mg/Kg		01/16/24 10:58	01/16/24 14:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	379	S1+	70 - 130				01/16/24 10:58	01/16/24 14:09	1
1,4-Difluorobenzene (Surr)	222	S1+	70 - 130				01/16/24 10:58	01/16/24 14:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/16/24 14:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/16/24 19:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/16/24 09:23	01/16/24 19:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/16/24 09:23	01/16/24 19:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/16/24 09:23	01/16/24 19:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130				01/16/24 09:23	01/16/24 19:01	1
o-Terphenyl	75		70 - 130				01/16/24 09:23	01/16/24 19:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			01/16/24 12:25	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

Client Sample ID: SW-12 (2')

Lab Sample ID: 880-37989-21

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/16/24 10:58	01/16/24 14:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/16/24 10:58	01/16/24 14:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/16/24 10:58	01/16/24 14:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/16/24 10:58	01/16/24 14:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/16/24 10:58	01/16/24 14:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/16/24 10:58	01/16/24 14:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	01/16/24 10:58	01/16/24 14:29	1
1,4-Difluorobenzene (Surr)	108		70 - 130	01/16/24 10:58	01/16/24 14:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/16/24 14:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			01/16/24 10:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		01/16/24 09:27	01/16/24 10:58	1
Diesel Range Organics (Over C10-C28)	<50.5	U *1	50.5		mg/Kg		01/16/24 09:27	01/16/24 10:58	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		01/16/24 09:27	01/16/24 10:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	01/16/24 09:27	01/16/24 10:58	1
o-Terphenyl	87		70 - 130	01/16/24 09:27	01/16/24 10:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.78		4.97		mg/Kg			01/16/24 13:32	1

Client Sample ID: SW-13 (2')

Lab Sample ID: 880-37989-22

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/16/24 10:58	01/16/24 14:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/16/24 10:58	01/16/24 14:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/16/24 10:58	01/16/24 14:50	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/16/24 10:58	01/16/24 14:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/16/24 10:58	01/16/24 14:50	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/16/24 10:58	01/16/24 14:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	381	S1+	70 - 130	01/16/24 10:58	01/16/24 14:50	1
1,4-Difluorobenzene (Surr)	188	S1+	70 - 130	01/16/24 10:58	01/16/24 14:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

Client Sample ID: SW-13 (2')

Lab Sample ID: 880-37989-22

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/16/24 14:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			01/16/24 12:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		01/16/24 09:27	01/16/24 12:03	1
Diesel Range Organics (Over C10-C28)	<50.5	U *1	50.5		mg/Kg		01/16/24 09:27	01/16/24 12:03	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		01/16/24 09:27	01/16/24 12:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				01/16/24 09:27	01/16/24 12:03	1
o-Terphenyl	87		70 - 130				01/16/24 09:27	01/16/24 12:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.48		5.01		mg/Kg			01/16/24 13:37	1

Client Sample ID: SW-14 (2')

Lab Sample ID: 880-37989-23

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/16/24 10:58	01/16/24 15:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/16/24 10:58	01/16/24 15:10	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/16/24 10:58	01/16/24 15:10	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/16/24 10:58	01/16/24 15:10	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/16/24 10:58	01/16/24 15:10	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/16/24 10:58	01/16/24 15:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				01/16/24 10:58	01/16/24 15:10	1
1,4-Difluorobenzene (Surr)	116		70 - 130				01/16/24 10:58	01/16/24 15:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/16/24 15:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			01/16/24 12:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		01/16/24 09:27	01/16/24 12:25	1
Diesel Range Organics (Over C10-C28)	<49.7	U *1	49.7		mg/Kg		01/16/24 09:27	01/16/24 12:25	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

Client Sample ID: SW-14 (2')
Date Collected: 01/15/24 00:00
Date Received: 01/16/24 08:38

Lab Sample ID: 880-37989-23
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/16/24 09:27	01/16/24 12:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				01/16/24 09:27	01/16/24 12:25	1
o-Terphenyl	96		70 - 130				01/16/24 09:27	01/16/24 12:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.30		4.99		mg/Kg			01/16/24 13:43	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)
Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-37989-1	CS-1 (2')	96	74				
880-37989-1 MS	CS-1 (2')	112	89				
880-37989-1 MSD	CS-1 (2')	105	88				
880-37989-2	CS-2 (2')	81	85				
880-37989-3	CS-3 (2')	82	68 S1-				
880-37989-4	CS-4 (2')	75	86				
880-37989-5	CS-5 (2')	63 S1-	80				
880-37989-6	CS-6 (1.5')	85	83				
880-37989-7	CS-7 (1.5')	63 S1-	71				
880-37989-8	CS-8 (2')	66 S1-	94				
880-37989-9	CS-9 (2')	84	79				
880-37989-10	SW-1 (2')	85	64 S1-				
880-37989-11	SW-2 (2')	85	67 S1-				
880-37989-12	SW-3 (2')	91	82				
880-37989-13	SW-4 (2')	86	63 S1-				
880-37989-14	SW-5 (2')	88	82				
880-37989-15	SW-6 (2')	85	64 S1-				
880-37989-16	SW-7 (1.5')	85	66 S1-				
880-37989-17	SW-8 (1.5')	84	80				
880-37989-18	SW-9 (1.5')	72	95				
880-37989-19	SW-10 (1.5')	78	88				
880-37989-20	SW-11 (2')	379 S1+	222 S1+				
880-37989-20 MS	SW-11 (2')	117	141 S1+				
880-37989-20 MSD	SW-11 (2')	201 S1+	84				
880-37989-21	SW-12 (2')	99	108				
880-37989-22	SW-13 (2')	381 S1+	188 S1+				
880-37989-23	SW-14 (2')	100	116				
LCS 880-70973/1-A	Lab Control Sample	113	111				
LCS 880-70989/1-A	Lab Control Sample	105	112				
LCSD 880-70973/2-A	Lab Control Sample Dup	126	115				
LCSD 880-70989/2-A	Lab Control Sample Dup	64 S1-	124				
MB 880-70973/5-A	Method Blank	71	92				
MB 880-70989/5-A	Method Blank	133 S1+	130				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-37989-1	CS-1 (2')	100	104				
880-37989-1 MS	CS-1 (2')	83	72				
880-37989-1 MSD	CS-1 (2')	76	71				
880-37989-2	CS-2 (2')	80	79				
880-37989-3	CS-3 (2')	84	81				
880-37989-4	CS-4 (2')	81	81				

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-37989-1

Project/Site: Gin and Tectonic Federal Com 502H

SDG: Lea County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-37989-5	CS-5 (2')	83	80
880-37989-6	CS-6 (1.5')	87	87
880-37989-7	CS-7 (1.5')	80	81
880-37989-8	CS-8 (2')	77	78
880-37989-9	CS-9 (2')	177 S1+	171 S1+
880-37989-10	SW-1 (2')	91	95
880-37989-11	SW-2 (2')	76	77
880-37989-12	SW-3 (2')	81	83
880-37989-13	SW-4 (2')	80	78
880-37989-14	SW-5 (2')	90	91
880-37989-15	SW-6 (2')	86	82
880-37989-16	SW-7 (1.5')	80	80
880-37989-17	SW-8 (1.5')	79	78
880-37989-18	SW-9 (1.5')	86	83
880-37989-19	SW-10 (1.5')	77	77
880-37989-20	SW-11 (2')	75	75
880-37989-21	SW-12 (2')	83	87
880-37989-21 MS	SW-12 (2')	87	83
880-37989-21 MSD	SW-12 (2')	99	92
880-37989-22	SW-13 (2')	80	87
880-37989-23	SW-14 (2')	91	96
LCS 880-70974/2-A	Lab Control Sample	106	117
LCS 880-70975/2-A	Lab Control Sample	128	141 S1+
LCSD 880-70974/3-A	Lab Control Sample Dup	93	107
LCSD 880-70975/3-A	Lab Control Sample Dup	98	110
MB 880-70974/1-A - RA2	Method Blank	95	101
MB 880-70975/1-A	Method Blank	83	102

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-70973/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 70970							Prep Batch: 70973		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 11:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 11:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 11:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/16/24 09:00	01/16/24 11:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/16/24 09:00	01/16/24 11:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/16/24 09:00	01/16/24 11:40	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	71		70 - 130				01/16/24 09:00	01/16/24 11:40	1
1,4-Difluorobenzene (Surr)	92		70 - 130				01/16/24 09:00	01/16/24 11:40	1

Lab Sample ID: LCS 880-70973/1-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 70970							Prep Batch: 70973		
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene		0.100	0.1032		mg/Kg		103	70 - 130	
Toluene		0.100	0.09835		mg/Kg		98	70 - 130	
Ethylbenzene		0.100	0.1087		mg/Kg		109	70 - 130	
m-Xylene & p-Xylene		0.200	0.2313		mg/Kg		116	70 - 130	
o-Xylene		0.100	0.1108		mg/Kg		111	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	113		70 - 130						
1,4-Difluorobenzene (Surr)	111		70 - 130						

Lab Sample ID: LCSD 880-70973/2-A							Client Sample ID: Lab Control Sample Dup			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 70970							Prep Batch: 70973			
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene		0.100	0.1049		mg/Kg		105	70 - 130	2	35
Toluene		0.100	0.1035		mg/Kg		103	70 - 130	5	35
Ethylbenzene		0.100	0.1192		mg/Kg		119	70 - 130	9	35
m-Xylene & p-Xylene		0.200	0.2480		mg/Kg		124	70 - 130	7	35
o-Xylene		0.100	0.1174		mg/Kg		117	70 - 130	6	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
4-Bromofluorobenzene (Surr)	126		70 - 130							
1,4-Difluorobenzene (Surr)	115		70 - 130							

Lab Sample ID: 880-37989-1 MS							Client Sample ID: CS-1 (2')		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 70970							Prep Batch: 70973		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0996	0.09777		mg/Kg		98	70 - 130
Toluene	<0.00200	U	0.0996	0.09262		mg/Kg		93	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-37989-1 MS

Matrix: Solid

Analysis Batch: 70970

Client Sample ID: CS-1 (2')

Prep Type: Total/NA

Prep Batch: 70973

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.0996	0.1008		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.199	0.2145		mg/Kg		108	70 - 130
o-Xylene	<0.00200	U	0.0996	0.1017		mg/Kg		102	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 880-37989-1 MSD

Matrix: Solid

Analysis Batch: 70970

Client Sample ID: CS-1 (2')

Prep Type: Total/NA

Prep Batch: 70973

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.1072		mg/Kg		108	70 - 130	9	35
Toluene	<0.00200	U	0.0990	0.1029		mg/Kg		104	70 - 130	11	35
Ethylbenzene	<0.00200	U	0.0990	0.1115		mg/Kg		113	70 - 130	10	35
m-Xylene & p-Xylene	<0.00401	U	0.198	0.2352		mg/Kg		119	70 - 130	9	35
o-Xylene	<0.00200	U	0.0990	0.1104		mg/Kg		111	70 - 130	8	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: MB 880-70989/5-A

Matrix: Solid

Analysis Batch: 70978

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 70989

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/16/24 10:58	01/16/24 13:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/16/24 10:58	01/16/24 13:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/16/24 10:58	01/16/24 13:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/16/24 10:58	01/16/24 13:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/16/24 10:58	01/16/24 13:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/16/24 10:58	01/16/24 13:40	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130	01/16/24 10:58	01/16/24 13:40	1
1,4-Difluorobenzene (Surr)	130		70 - 130	01/16/24 10:58	01/16/24 13:40	1

Lab Sample ID: LCS 880-70989/1-A

Matrix: Solid

Analysis Batch: 70978

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 70989

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1282		mg/Kg		128	70 - 130
Toluene	0.100	0.1008		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.1063		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	0.200	0.2372		mg/Kg		119	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-70989/1-A

Matrix: Solid

Analysis Batch: 70978

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 70989

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1191		mg/Kg		119	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: LCSD 880-70989/2-A

Matrix: Solid

Analysis Batch: 70978

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 70989

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1242		mg/Kg		124	70 - 130	3	35
Toluene	0.100	0.1073		mg/Kg		107	70 - 130	6	35
Ethylbenzene	0.100	0.08363		mg/Kg		84	70 - 130	24	35
m-Xylene & p-Xylene	0.200	0.1926		mg/Kg		96	70 - 130	21	35
o-Xylene	0.100	0.09793		mg/Kg		98	70 - 130	19	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	64	S1-	70 - 130
1,4-Difluorobenzene (Surr)	124		70 - 130

Lab Sample ID: 880-37989-20 MS

Matrix: Solid

Analysis Batch: 70978

Client Sample ID: SW-11 (2')

Prep Type: Total/NA

Prep Batch: 70989

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1 F2	0.0996	0.1369	F1	mg/Kg		137	70 - 130
Toluene	<0.00200	U F1	0.0996	0.07223		mg/Kg		73	70 - 130
Ethylbenzene	<0.00200	U F1 F2	0.0996	0.07371		mg/Kg		74	70 - 130
m-Xylene & p-Xylene	<0.00401	U F1 F2	0.199	0.2537		mg/Kg		127	70 - 130
o-Xylene	<0.00200	U F1 F2	0.0996	0.1292		mg/Kg		130	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	141	S1+	70 - 130

Lab Sample ID: 880-37989-20 MSD

Matrix: Solid

Analysis Batch: 70978

Client Sample ID: SW-11 (2')

Prep Type: Total/NA

Prep Batch: 70989

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1 F2	0.0990	0.03481	F1 F2	mg/Kg		35	70 - 130	119	35
Toluene	<0.00200	U F1	0.0990	0.05349	F1	mg/Kg		54	70 - 130	30	35
Ethylbenzene	<0.00200	U F1 F2	0.0990	0.1464	F1 F2	mg/Kg		148	70 - 130	66	35
m-Xylene & p-Xylene	<0.00401	U F1 F2	0.198	0.4118	F1 F2	mg/Kg		208	70 - 130	48	35
o-Xylene	<0.00200	U F1 F2	0.0990	0.2383	F1 F2	mg/Kg		241	70 - 130	59	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-37989-20 MSD				Client Sample ID: SW-11 (2')			
Matrix: Solid				Prep Type: Total/NA			
Analysis Batch: 70978				Prep Batch: 70989			
	MSD	MSD					
Surrogate	%Recovery	Qualifier	Limits				
4-Bromofluorobenzene (Surr)	201	S1+	70 - 130				
1,4-Difluorobenzene (Surr)	84		70 - 130				

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

Lab Sample ID: LCS 880-70974/2-A				Client Sample ID: Lab Control Sample			
Matrix: Solid				Prep Type: Total/NA			
Analysis Batch: 70961				Prep Batch: 70974			
		Spike	LCS	LCS			
Analyte		Added	Result	Qualifier	Unit	D	%Rec
Gasoline Range Organics (GRO)-C6-C10		1000	934.1		mg/Kg		93
Diesel Range Organics (Over C10-C28)		1000	976.1		mg/Kg		98
							%Rec
							Limits
	LCS	LCS					
Surrogate	%Recovery	Qualifier	Limits				
1-Chlorooctane	106		70 - 130				
o-Terphenyl	117		70 - 130				

Lab Sample ID: LCSD 880-70974/3-A				Client Sample ID: Lab Control Sample Dup			
Matrix: Solid				Prep Type: Total/NA			
Analysis Batch: 70961				Prep Batch: 70974			
		Spike	LCSD	LCSD			
Analyte		Added	Result	Qualifier	Unit	D	%Rec
Gasoline Range Organics (GRO)-C6-C10		1000	912.4		mg/Kg		91
Diesel Range Organics (Over C10-C28)		1000	886.2		mg/Kg		89
							%Rec
							Limits
							RPD
							Limit
	LCSD	LCSD					
Surrogate	%Recovery	Qualifier	Limits				
1-Chlorooctane	93		70 - 130				
o-Terphenyl	107		70 - 130				

Lab Sample ID: 880-37989-1 MS				Client Sample ID: CS-1 (2')			
Matrix: Solid				Prep Type: Total/NA			
Analysis Batch: 70961				Prep Batch: 70974			
	Sample	Sample	Spike	MS	MS		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1010	821.4		mg/Kg	
Diesel Range Organics (Over C10-C28)	<50.1	U	1010	839.9		mg/Kg	
							%Rec
							Limits
	MS	MS					
Surrogate	%Recovery	Qualifier	Limits				
1-Chlorooctane	83		70 - 130				
o-Terphenyl	72		70 - 130				

QC Sample Results

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-37989-1 MSD
Matrix: Solid
Analysis Batch: 70961

Client Sample ID: CS-1 (2')
Prep Type: Total/NA
Prep Batch: 70974

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1010	784.8		mg/Kg		73	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<50.1	U	1010	831.0		mg/Kg		80	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	76		70 - 130								
o-Terphenyl	71		70 - 130								

Lab Sample ID: MB 880-70975/1-A
Matrix: Solid
Analysis Batch: 70963

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 70975

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		01/16/24 08:00	01/16/24 08:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/16/24 08:00	01/16/24 08:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/16/24 08:00	01/16/24 08:21	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				01/16/24 08:00	01/16/24 08:21	1
o-Terphenyl	102		70 - 130				01/16/24 08:00	01/16/24 08:21	1

Lab Sample ID: LCS 880-70975/2-A

Matrix: Solid

Analysis Batch: 70963

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 70975

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1009		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1263		mg/Kg		126	70 - 130

Lab Sample ID: LCSD 880-70975/3-A
Matrix: Solid
Analysis Batch: 70963

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 70975

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	863.7		mg/Kg		86	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	1000	992.5	*1	mg/Kg		99	70 - 130	24	20

QC Sample Results

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-70975/3-A

Matrix: Solid

Analysis Batch: 70963

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 70975

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	110		70 - 130

Lab Sample ID: 880-37989-21 MS

Matrix: Solid

Analysis Batch: 70963

Client Sample ID: SW-12 (2')

Prep Type: Total/NA

Prep Batch: 70975

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	1010	796.7		mg/Kg		76	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.5	U *1	1010	971.5		mg/Kg		94	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	87		70 - 130							
o-Terphenyl	83		70 - 130							

Lab Sample ID: 880-37989-21 MSD

Matrix: Solid

Analysis Batch: 70963

Client Sample ID: SW-12 (2')

Prep Type: Total/NA

Prep Batch: 70975

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	1010	967.1		mg/Kg		93	70 - 130	19	20	
Diesel Range Organics (Over C10-C28)	<50.5	U *1	1010	1098		mg/Kg		107	70 - 130	12	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	99		70 - 130									
o-Terphenyl	92		70 - 130									

Method: 8015B NM - Diesel Range Organics (DRO) (GC) - RA2

Lab Sample ID: MB 880-70974/1-A

Matrix: Solid

Analysis Batch: 70961

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 70974

	MB	MB									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Gasoline Range Organics (GRO)-C6-C10 - RA2	<50.0	U	50.0		mg/Kg		01/16/24 08:00	01/16/24 08:21	1		
Diesel Range Organics (Over C10-C28) - RA2	<50.0	U	50.0		mg/Kg		01/16/24 08:00	01/16/24 08:21	1		
Oil Range Organics (Over C28-C36) - RA2	<50.0	U	50.0		mg/Kg		01/16/24 08:00	01/16/24 08:21	1		
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac		
1-Chlorooctane - RA2	95		70 - 130				01/16/24 08:00	01/16/24 08:21	1		
o-Terphenyl - RA2	101		70 - 130				01/16/24 08:00	01/16/24 08:21	1		

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-70972/1-A

Matrix: Solid

Analysis Batch: 70990

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			01/16/24 08:57	1

Lab Sample ID: LCS 880-70972/2-A

Matrix: Solid

Analysis Batch: 70990

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	236.8		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-70972/3-A

Matrix: Solid

Analysis Batch: 70990

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	235.8		mg/Kg		94	90 - 110	0	20

Lab Sample ID: 880-37989-1 MS

Matrix: Solid

Analysis Batch: 70990

Client Sample ID: CS-1 (2')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	6.19		250	239.6		mg/Kg		93	90 - 110

Lab Sample ID: 880-37989-1 MSD

Matrix: Solid

Analysis Batch: 70990

Client Sample ID: CS-1 (2')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	6.19		250	241.4		mg/Kg		94	90 - 110	1	20

Lab Sample ID: 880-37989-11 MS

Matrix: Solid

Analysis Batch: 70990

Client Sample ID: SW-2 (2')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<4.98	U	249	250.6		mg/Kg		99	90 - 110

Lab Sample ID: 880-37989-11 MSD

Matrix: Solid

Analysis Batch: 70990

Client Sample ID: SW-2 (2')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<4.98	U	249	250.9		mg/Kg		99	90 - 110	0	20

Lab Sample ID: MB 880-70830/1-A

Matrix: Solid

Analysis Batch: 70991

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			01/15/24 21:42	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-70830/2-A				Client Sample ID: Lab Control Sample						
Matrix: Solid				Prep Type: Soluble						
Analysis Batch: 70991										
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Chloride			250	238.3		mg/Kg		95	90 - 110	

Lab Sample ID: LCSD 880-70830/3-A				Client Sample ID: Lab Control Sample Dup						
Matrix: Solid				Prep Type: Soluble						
Analysis Batch: 70991										
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD Limit
Chloride			250	239.1		mg/Kg		96	90 - 110	0 20

Lab Sample ID: 880-37986-A-21-B MS				Client Sample ID: Matrix Spike						
Matrix: Solid				Prep Type: Soluble						
Analysis Batch: 70991										
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Chloride	654	F1	253	870.3	F1	mg/Kg		85	90 - 110	

Lab Sample ID: 880-37986-A-21-C MSD				Client Sample ID: Matrix Spike Duplicate						
Matrix: Solid				Prep Type: Soluble						
Analysis Batch: 70991										
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD Limit
Chloride	654	F1	253	866.5	F1	mg/Kg		84	90 - 110	0 20

QC Association Summary

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 70970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37989-1	CS-1 (2')	Total/NA	Solid	8021B	70973
880-37989-2	CS-2 (2')	Total/NA	Solid	8021B	70973
880-37989-3	CS-3 (2')	Total/NA	Solid	8021B	70973
880-37989-4	CS-4 (2')	Total/NA	Solid	8021B	70973
880-37989-5	CS-5 (2')	Total/NA	Solid	8021B	70973
880-37989-6	CS-6 (1.5')	Total/NA	Solid	8021B	70973
880-37989-7	CS-7 (1.5')	Total/NA	Solid	8021B	70973
880-37989-8	CS-8 (2')	Total/NA	Solid	8021B	70973
880-37989-9	CS-9 (2')	Total/NA	Solid	8021B	70973
880-37989-10	SW-1 (2')	Total/NA	Solid	8021B	70973
880-37989-11	SW-2 (2')	Total/NA	Solid	8021B	70973
880-37989-12	SW-3 (2')	Total/NA	Solid	8021B	70973
880-37989-13	SW-4 (2')	Total/NA	Solid	8021B	70973
880-37989-14	SW-5 (2')	Total/NA	Solid	8021B	70973
880-37989-15	SW-6 (2')	Total/NA	Solid	8021B	70973
880-37989-16	SW-7 (1.5')	Total/NA	Solid	8021B	70973
880-37989-17	SW-8 (1.5')	Total/NA	Solid	8021B	70973
880-37989-18	SW-9 (1.5')	Total/NA	Solid	8021B	70973
880-37989-19	SW-10 (1.5')	Total/NA	Solid	8021B	70973
MB 880-70973/5-A	Method Blank	Total/NA	Solid	8021B	70973
LCS 880-70973/1-A	Lab Control Sample	Total/NA	Solid	8021B	70973
LCSD 880-70973/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	70973
880-37989-1 MS	CS-1 (2')	Total/NA	Solid	8021B	70973
880-37989-1 MSD	CS-1 (2')	Total/NA	Solid	8021B	70973

Prep Batch: 70973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37989-1	CS-1 (2')	Total/NA	Solid	5035	
880-37989-2	CS-2 (2')	Total/NA	Solid	5035	
880-37989-3	CS-3 (2')	Total/NA	Solid	5035	
880-37989-4	CS-4 (2')	Total/NA	Solid	5035	
880-37989-5	CS-5 (2')	Total/NA	Solid	5035	
880-37989-6	CS-6 (1.5')	Total/NA	Solid	5035	
880-37989-7	CS-7 (1.5')	Total/NA	Solid	5035	
880-37989-8	CS-8 (2')	Total/NA	Solid	5035	
880-37989-9	CS-9 (2')	Total/NA	Solid	5035	
880-37989-10	SW-1 (2')	Total/NA	Solid	5035	
880-37989-11	SW-2 (2')	Total/NA	Solid	5035	
880-37989-12	SW-3 (2')	Total/NA	Solid	5035	
880-37989-13	SW-4 (2')	Total/NA	Solid	5035	
880-37989-14	SW-5 (2')	Total/NA	Solid	5035	
880-37989-15	SW-6 (2')	Total/NA	Solid	5035	
880-37989-16	SW-7 (1.5')	Total/NA	Solid	5035	
880-37989-17	SW-8 (1.5')	Total/NA	Solid	5035	
880-37989-18	SW-9 (1.5')	Total/NA	Solid	5035	
880-37989-19	SW-10 (1.5')	Total/NA	Solid	5035	
MB 880-70973/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-70973/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-70973/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-37989-1 MS	CS-1 (2')	Total/NA	Solid	5035	
880-37989-1 MSD	CS-1 (2')	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 70978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37989-20	SW-11 (2')	Total/NA	Solid	8021B	70989
880-37989-21	SW-12 (2')	Total/NA	Solid	8021B	70989
880-37989-22	SW-13 (2')	Total/NA	Solid	8021B	70989
880-37989-23	SW-14 (2')	Total/NA	Solid	8021B	70989
MB 880-70989/5-A	Method Blank	Total/NA	Solid	8021B	70989
LCS 880-70989/1-A	Lab Control Sample	Total/NA	Solid	8021B	70989
LCSD 880-70989/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	70989
880-37989-20 MS	SW-11 (2')	Total/NA	Solid	8021B	70989
880-37989-20 MSD	SW-11 (2')	Total/NA	Solid	8021B	70989

Prep Batch: 70989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37989-20	SW-11 (2')	Total/NA	Solid	5035	
880-37989-21	SW-12 (2')	Total/NA	Solid	5035	
880-37989-22	SW-13 (2')	Total/NA	Solid	5035	
880-37989-23	SW-14 (2')	Total/NA	Solid	5035	
MB 880-70989/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-70989/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-70989/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-37989-20 MS	SW-11 (2')	Total/NA	Solid	5035	
880-37989-20 MSD	SW-11 (2')	Total/NA	Solid	5035	

Analysis Batch: 71022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37989-1	CS-1 (2')	Total/NA	Solid	Total BTEX	
880-37989-2	CS-2 (2')	Total/NA	Solid	Total BTEX	
880-37989-3	CS-3 (2')	Total/NA	Solid	Total BTEX	
880-37989-4	CS-4 (2')	Total/NA	Solid	Total BTEX	
880-37989-5	CS-5 (2')	Total/NA	Solid	Total BTEX	
880-37989-6	CS-6 (1.5')	Total/NA	Solid	Total BTEX	
880-37989-7	CS-7 (1.5')	Total/NA	Solid	Total BTEX	
880-37989-8	CS-8 (2')	Total/NA	Solid	Total BTEX	
880-37989-9	CS-9 (2')	Total/NA	Solid	Total BTEX	
880-37989-10	SW-1 (2')	Total/NA	Solid	Total BTEX	
880-37989-11	SW-2 (2')	Total/NA	Solid	Total BTEX	
880-37989-12	SW-3 (2')	Total/NA	Solid	Total BTEX	
880-37989-13	SW-4 (2')	Total/NA	Solid	Total BTEX	
880-37989-14	SW-5 (2')	Total/NA	Solid	Total BTEX	
880-37989-15	SW-6 (2')	Total/NA	Solid	Total BTEX	
880-37989-16	SW-7 (1.5')	Total/NA	Solid	Total BTEX	
880-37989-17	SW-8 (1.5')	Total/NA	Solid	Total BTEX	
880-37989-18	SW-9 (1.5')	Total/NA	Solid	Total BTEX	
880-37989-19	SW-10 (1.5')	Total/NA	Solid	Total BTEX	
880-37989-20	SW-11 (2')	Total/NA	Solid	Total BTEX	
880-37989-21	SW-12 (2')	Total/NA	Solid	Total BTEX	
880-37989-22	SW-13 (2')	Total/NA	Solid	Total BTEX	
880-37989-23	SW-14 (2')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

GC Semi VOA

Analysis Batch: 70961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37989-1	CS-1 (2')	Total/NA	Solid	8015B NM	70974
880-37989-2	CS-2 (2')	Total/NA	Solid	8015B NM	70974
880-37989-3	CS-3 (2')	Total/NA	Solid	8015B NM	70974
880-37989-4	CS-4 (2')	Total/NA	Solid	8015B NM	70974
880-37989-5	CS-5 (2')	Total/NA	Solid	8015B NM	70974
880-37989-6	CS-6 (1.5')	Total/NA	Solid	8015B NM	70974
880-37989-7	CS-7 (1.5')	Total/NA	Solid	8015B NM	70974
880-37989-8	CS-8 (2')	Total/NA	Solid	8015B NM	70974
880-37989-9	CS-9 (2')	Total/NA	Solid	8015B NM	70974
880-37989-10	SW-1 (2')	Total/NA	Solid	8015B NM	70974
880-37989-11	SW-2 (2')	Total/NA	Solid	8015B NM	70974
880-37989-12	SW-3 (2')	Total/NA	Solid	8015B NM	70974
880-37989-13	SW-4 (2')	Total/NA	Solid	8015B NM	70974
880-37989-14	SW-5 (2')	Total/NA	Solid	8015B NM	70974
880-37989-15	SW-6 (2')	Total/NA	Solid	8015B NM	70974
880-37989-16	SW-7 (1.5')	Total/NA	Solid	8015B NM	70974
880-37989-17	SW-8 (1.5')	Total/NA	Solid	8015B NM	70974
880-37989-18	SW-9 (1.5')	Total/NA	Solid	8015B NM	70974
880-37989-19	SW-10 (1.5')	Total/NA	Solid	8015B NM	70974
880-37989-20	SW-11 (2')	Total/NA	Solid	8015B NM	70974
MB 880-70974/1-A - RA2	Method Blank	Total/NA	Solid	8015B NM	70974
LCS 880-70974/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	70974
LCSD 880-70974/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	70974
880-37989-1 MS	CS-1 (2')	Total/NA	Solid	8015B NM	70974
880-37989-1 MSD	CS-1 (2')	Total/NA	Solid	8015B NM	70974

Analysis Batch: 70963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37989-21	SW-12 (2')	Total/NA	Solid	8015B NM	70975
880-37989-22	SW-13 (2')	Total/NA	Solid	8015B NM	70975
880-37989-23	SW-14 (2')	Total/NA	Solid	8015B NM	70975
MB 880-70975/1-A	Method Blank	Total/NA	Solid	8015B NM	70975
LCS 880-70975/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	70975
LCSD 880-70975/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	70975
880-37989-21 MS	SW-12 (2')	Total/NA	Solid	8015B NM	70975
880-37989-21 MSD	SW-12 (2')	Total/NA	Solid	8015B NM	70975

Prep Batch: 70974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37989-1	CS-1 (2')	Total/NA	Solid	8015NM Prep	
880-37989-2	CS-2 (2')	Total/NA	Solid	8015NM Prep	
880-37989-3	CS-3 (2')	Total/NA	Solid	8015NM Prep	
880-37989-4	CS-4 (2')	Total/NA	Solid	8015NM Prep	
880-37989-5	CS-5 (2')	Total/NA	Solid	8015NM Prep	
880-37989-6	CS-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-37989-7	CS-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-37989-8	CS-8 (2')	Total/NA	Solid	8015NM Prep	
880-37989-9	CS-9 (2')	Total/NA	Solid	8015NM Prep	
880-37989-10	SW-1 (2')	Total/NA	Solid	8015NM Prep	
880-37989-11	SW-2 (2')	Total/NA	Solid	8015NM Prep	
880-37989-12	SW-3 (2')	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 70974 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37989-13	SW-4 (2')	Total/NA	Solid	8015NM Prep	
880-37989-14	SW-5 (2')	Total/NA	Solid	8015NM Prep	
880-37989-15	SW-6 (2')	Total/NA	Solid	8015NM Prep	
880-37989-16	SW-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-37989-17	SW-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-37989-18	SW-9 (1.5')	Total/NA	Solid	8015NM Prep	
880-37989-19	SW-10 (1.5')	Total/NA	Solid	8015NM Prep	
880-37989-20	SW-11 (2')	Total/NA	Solid	8015NM Prep	
MB 880-70974/1-A - RA2	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-70974/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-70974/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-37989-1 MS	CS-1 (2')	Total/NA	Solid	8015NM Prep	
880-37989-1 MSD	CS-1 (2')	Total/NA	Solid	8015NM Prep	

Prep Batch: 70975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37989-21	SW-12 (2')	Total/NA	Solid	8015NM Prep	
880-37989-22	SW-13 (2')	Total/NA	Solid	8015NM Prep	
880-37989-23	SW-14 (2')	Total/NA	Solid	8015NM Prep	
MB 880-70975/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-70975/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-70975/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-37989-21 MS	SW-12 (2')	Total/NA	Solid	8015NM Prep	
880-37989-21 MSD	SW-12 (2')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 71024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37989-1	CS-1 (2')	Total/NA	Solid	8015 NM	
880-37989-2	CS-2 (2')	Total/NA	Solid	8015 NM	
880-37989-3	CS-3 (2')	Total/NA	Solid	8015 NM	
880-37989-4	CS-4 (2')	Total/NA	Solid	8015 NM	
880-37989-5	CS-5 (2')	Total/NA	Solid	8015 NM	
880-37989-6	CS-6 (1.5')	Total/NA	Solid	8015 NM	
880-37989-7	CS-7 (1.5')	Total/NA	Solid	8015 NM	
880-37989-8	CS-8 (2')	Total/NA	Solid	8015 NM	
880-37989-9	CS-9 (2')	Total/NA	Solid	8015 NM	
880-37989-10	SW-1 (2')	Total/NA	Solid	8015 NM	
880-37989-11	SW-2 (2')	Total/NA	Solid	8015 NM	
880-37989-12	SW-3 (2')	Total/NA	Solid	8015 NM	
880-37989-13	SW-4 (2')	Total/NA	Solid	8015 NM	
880-37989-14	SW-5 (2')	Total/NA	Solid	8015 NM	
880-37989-15	SW-6 (2')	Total/NA	Solid	8015 NM	
880-37989-16	SW-7 (1.5')	Total/NA	Solid	8015 NM	
880-37989-17	SW-8 (1.5')	Total/NA	Solid	8015 NM	
880-37989-18	SW-9 (1.5')	Total/NA	Solid	8015 NM	
880-37989-19	SW-10 (1.5')	Total/NA	Solid	8015 NM	
880-37989-20	SW-11 (2')	Total/NA	Solid	8015 NM	
880-37989-21	SW-12 (2')	Total/NA	Solid	8015 NM	
880-37989-22	SW-13 (2')	Total/NA	Solid	8015 NM	
880-37989-23	SW-14 (2')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

HPLC/IC

Leach Batch: 70830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37989-21	SW-12 (2')	Soluble	Solid	DI Leach	
880-37989-22	SW-13 (2')	Soluble	Solid	DI Leach	
880-37989-23	SW-14 (2')	Soluble	Solid	DI Leach	
MB 880-70830/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-70830/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-70830/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-37986-A-21-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-37986-A-21-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 70972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37989-1	CS-1 (2')	Soluble	Solid	DI Leach	
880-37989-2	CS-2 (2')	Soluble	Solid	DI Leach	
880-37989-3	CS-3 (2')	Soluble	Solid	DI Leach	
880-37989-4	CS-4 (2')	Soluble	Solid	DI Leach	
880-37989-5	CS-5 (2')	Soluble	Solid	DI Leach	
880-37989-6	CS-6 (1.5')	Soluble	Solid	DI Leach	
880-37989-7	CS-7 (1.5')	Soluble	Solid	DI Leach	
880-37989-8	CS-8 (2')	Soluble	Solid	DI Leach	
880-37989-9	CS-9 (2')	Soluble	Solid	DI Leach	
880-37989-10	SW-1 (2')	Soluble	Solid	DI Leach	
880-37989-11	SW-2 (2')	Soluble	Solid	DI Leach	
880-37989-12	SW-3 (2')	Soluble	Solid	DI Leach	
880-37989-13	SW-4 (2')	Soluble	Solid	DI Leach	
880-37989-14	SW-5 (2')	Soluble	Solid	DI Leach	
880-37989-15	SW-6 (2')	Soluble	Solid	DI Leach	
880-37989-16	SW-7 (1.5')	Soluble	Solid	DI Leach	
880-37989-17	SW-8 (1.5')	Soluble	Solid	DI Leach	
880-37989-18	SW-9 (1.5')	Soluble	Solid	DI Leach	
880-37989-19	SW-10 (1.5')	Soluble	Solid	DI Leach	
880-37989-20	SW-11 (2')	Soluble	Solid	DI Leach	
MB 880-70972/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-70972/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-70972/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-37989-1 MS	CS-1 (2')	Soluble	Solid	DI Leach	
880-37989-1 MSD	CS-1 (2')	Soluble	Solid	DI Leach	
880-37989-11 MS	SW-2 (2')	Soluble	Solid	DI Leach	
880-37989-11 MSD	SW-2 (2')	Soluble	Solid	DI Leach	

Analysis Batch: 70990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37989-1	CS-1 (2')	Soluble	Solid	300.0	70972
880-37989-2	CS-2 (2')	Soluble	Solid	300.0	70972
880-37989-3	CS-3 (2')	Soluble	Solid	300.0	70972
880-37989-4	CS-4 (2')	Soluble	Solid	300.0	70972
880-37989-5	CS-5 (2')	Soluble	Solid	300.0	70972
880-37989-6	CS-6 (1.5')	Soluble	Solid	300.0	70972
880-37989-7	CS-7 (1.5')	Soluble	Solid	300.0	70972
880-37989-8	CS-8 (2')	Soluble	Solid	300.0	70972
880-37989-9	CS-9 (2')	Soluble	Solid	300.0	70972
880-37989-10	SW-1 (2')	Soluble	Solid	300.0	70972

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 70990 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37989-11	SW-2 (2')	Soluble	Solid	300.0	70972
880-37989-12	SW-3 (2')	Soluble	Solid	300.0	70972
880-37989-13	SW-4 (2')	Soluble	Solid	300.0	70972
880-37989-14	SW-5 (2')	Soluble	Solid	300.0	70972
880-37989-15	SW-6 (2')	Soluble	Solid	300.0	70972
880-37989-16	SW-7 (1.5')	Soluble	Solid	300.0	70972
880-37989-17	SW-8 (1.5')	Soluble	Solid	300.0	70972
880-37989-18	SW-9 (1.5')	Soluble	Solid	300.0	70972
880-37989-19	SW-10 (1.5')	Soluble	Solid	300.0	70972
880-37989-20	SW-11 (2')	Soluble	Solid	300.0	70972
MB 880-70972/1-A	Method Blank	Soluble	Solid	300.0	70972
LCS 880-70972/2-A	Lab Control Sample	Soluble	Solid	300.0	70972
LCSD 880-70972/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	70972
880-37989-1 MS	CS-1 (2')	Soluble	Solid	300.0	70972
880-37989-1 MSD	CS-1 (2')	Soluble	Solid	300.0	70972
880-37989-11 MS	SW-2 (2')	Soluble	Solid	300.0	70972
880-37989-11 MSD	SW-2 (2')	Soluble	Solid	300.0	70972

Analysis Batch: 70991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37989-21	SW-12 (2')	Soluble	Solid	300.0	70830
880-37989-22	SW-13 (2')	Soluble	Solid	300.0	70830
880-37989-23	SW-14 (2')	Soluble	Solid	300.0	70830
MB 880-70830/1-A	Method Blank	Soluble	Solid	300.0	70830
LCS 880-70830/2-A	Lab Control Sample	Soluble	Solid	300.0	70830
LCSD 880-70830/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	70830
880-37986-A-21-B MS	Matrix Spike	Soluble	Solid	300.0	70830
880-37986-A-21-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	70830

Lab Chronicle

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

Client Sample ID: CS-1 (2')
Date Collected: 01/15/24 00:00
Date Received: 01/16/24 08:38

Lab Sample ID: 880-37989-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	70973	01/16/24 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70970	01/16/24 15:06	SM	EET MID
Total/NA	Analysis	Total BTEX		1			71022	01/16/24 15:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			71024	01/16/24 10:58	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	70974	01/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70961	01/16/24 10:58	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	70972	01/16/24 08:48	CH	EET MID
Soluble	Analysis	300.0		1			70990	01/16/24 10:07	CH	EET MID

Client Sample ID: CS-2 (2')
Date Collected: 01/15/24 00:00
Date Received: 01/16/24 08:38

Lab Sample ID: 880-37989-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	70973	01/16/24 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70970	01/16/24 12:22	SM	EET MID
Total/NA	Analysis	Total BTEX		1			71022	01/16/24 12:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			71024	01/16/24 12:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	70974	01/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70961	01/16/24 12:03	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	70972	01/16/24 08:48	CH	EET MID
Soluble	Analysis	300.0		1			70990	01/16/24 10:22	CH	EET MID

Client Sample ID: CS-3 (2')
Date Collected: 01/15/24 00:00
Date Received: 01/16/24 08:38

Lab Sample ID: 880-37989-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	70973	01/16/24 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70970	01/16/24 12:42	SM	EET MID
Total/NA	Analysis	Total BTEX		1			71022	01/16/24 12:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			71024	01/16/24 12:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	70974	01/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70961	01/16/24 12:25	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	70972	01/16/24 08:48	CH	EET MID
Soluble	Analysis	300.0		1			70990	01/16/24 10:27	CH	EET MID

Client Sample ID: CS-4 (2')
Date Collected: 01/15/24 00:00
Date Received: 01/16/24 08:38

Lab Sample ID: 880-37989-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	70973	01/16/24 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70970	01/16/24 13:03	SM	EET MID
Total/NA	Analysis	Total BTEX		1			71022	01/16/24 13:03	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

Client Sample ID: CS-4 (2')

Lab Sample ID: 880-37989-4

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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			71024	01/16/24 12:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	70974	01/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70961	01/16/24 12:47	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	70972	01/16/24 08:48	CH	EET MID
Soluble	Analysis	300.0		1			70990	01/16/24 10:33	CH	EET MID

Client Sample ID: CS-5 (2')

Lab Sample ID: 880-37989-5

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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	70973	01/16/24 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70970	01/16/24 13:23	SM	EET MID
Total/NA	Analysis	Total BTEX		1			71022	01/16/24 13:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			71024	01/16/24 13:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	70974	01/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70961	01/16/24 13:08	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	70972	01/16/24 08:48	CH	EET MID
Soluble	Analysis	300.0		1			70990	01/16/24 10:38	CH	EET MID

Client Sample ID: CS-6 (1.5')

Lab Sample ID: 880-37989-6

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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	70973	01/16/24 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70970	01/16/24 13:44	SM	EET MID
Total/NA	Analysis	Total BTEX		1			71022	01/16/24 13:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			71024	01/16/24 13:30	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	70974	01/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70961	01/16/24 13:30	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	70972	01/16/24 08:48	CH	EET MID
Soluble	Analysis	300.0		1			70990	01/16/24 10:53	CH	EET MID

Client Sample ID: CS-7 (1.5')

Lab Sample ID: 880-37989-7

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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	70973	01/16/24 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70970	01/16/24 14:04	SM	EET MID
Total/NA	Analysis	Total BTEX		1			71022	01/16/24 14:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			71024	01/16/24 13:53	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	70974	01/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70961	01/16/24 13:53	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

Client Sample ID: CS-7 (1.5')

Lab Sample ID: 880-37989-7

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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	70972	01/16/24 08:48	CH	EET MID
Soluble	Analysis	300.0		1			70990	01/16/24 10:58	CH	EET MID

Client Sample ID: CS-8 (2')

Lab Sample ID: 880-37989-8

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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	70973	01/16/24 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70970	01/16/24 14:25	SM	EET MID
Total/NA	Analysis	Total BTEX		1			71022	01/16/24 14:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			71024	01/16/24 14:15	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	70974	01/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70961	01/16/24 14:15	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	70972	01/16/24 08:48	CH	EET MID
Soluble	Analysis	300.0		1			70990	01/16/24 11:03	CH	EET MID

Client Sample ID: CS-9 (2')

Lab Sample ID: 880-37989-9

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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	70973	01/16/24 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70970	01/16/24 14:45	SM	EET MID
Total/NA	Analysis	Total BTEX		1			71022	01/16/24 14:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			71024	01/16/24 14:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	70974	01/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70961	01/16/24 14:37	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	70972	01/16/24 08:48	CH	EET MID
Soluble	Analysis	300.0		1			70990	01/16/24 11:09	CH	EET MID

Client Sample ID: SW-1 (2')

Lab Sample ID: 880-37989-10

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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	70973	01/16/24 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70970	01/16/24 17:45	SM	EET MID
Total/NA	Analysis	Total BTEX		1			71022	01/16/24 17:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			71024	01/16/24 14:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	70974	01/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70961	01/16/24 14:59	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	70972	01/16/24 08:48	CH	EET MID
Soluble	Analysis	300.0		1			70990	01/16/24 11:14	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

Client Sample ID: SW-2 (2')
Date Collected: 01/15/24 00:00
Date Received: 01/16/24 08:38

Lab Sample ID: 880-37989-11
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			5.02 g	5 mL	70973	01/16/24 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70970	01/16/24 18:06	SM	EET MID
Total/NA	Analysis	Total BTEX		1			71022	01/16/24 18:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			71024	01/16/24 15:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	70974	01/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70961	01/16/24 15:43	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	70972	01/16/24 08:48	CH	EET MID
Soluble	Analysis	300.0		1			70990	01/16/24 11:19	CH	EET MID

Client Sample ID: SW-3 (2')
Date Collected: 01/15/24 00:00
Date Received: 01/16/24 08:38

Lab Sample ID: 880-37989-12
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			5.02 g	5 mL	70973	01/16/24 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70970	01/16/24 18:26	SM	EET MID
Total/NA	Analysis	Total BTEX		1			71022	01/16/24 18:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			71024	01/16/24 16:04	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	70974	01/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70961	01/16/24 16:04	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	70972	01/16/24 08:48	CH	EET MID
Soluble	Analysis	300.0		1			70990	01/16/24 11:34	CH	EET MID

Client Sample ID: SW-4 (2')
Date Collected: 01/15/24 00:00
Date Received: 01/16/24 08:38

Lab Sample ID: 880-37989-13
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	70973	01/16/24 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70970	01/16/24 18:47	SM	EET MID
Total/NA	Analysis	Total BTEX		1			71022	01/16/24 18:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			71024	01/16/24 16:25	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	70974	01/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70961	01/16/24 16:25	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	70972	01/16/24 08:48	CH	EET MID
Soluble	Analysis	300.0		1			70990	01/16/24 11:39	CH	EET MID

Client Sample ID: SW-5 (2')
Date Collected: 01/15/24 00:00
Date Received: 01/16/24 08:38

Lab Sample ID: 880-37989-14
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	70973	01/16/24 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70970	01/16/24 19:07	SM	EET MID
Total/NA	Analysis	Total BTEX		1			71022	01/16/24 19:07	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

Client Sample ID: SW-5 (2')
Date Collected: 01/15/24 00:00
Date Received: 01/16/24 08:38

Lab Sample ID: 880-37989-14
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			71024	01/16/24 16:47	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	70974	01/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70961	01/16/24 16:47	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	70972	01/16/24 08:48	CH	EET MID
Soluble	Analysis	300.0		1			70990	01/16/24 11:55	CH	EET MID

Client Sample ID: SW-6 (2')
Date Collected: 01/15/24 00:00
Date Received: 01/16/24 08:38

Lab Sample ID: 880-37989-15
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	70973	01/16/24 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70970	01/16/24 19:28	SM	EET MID
Total/NA	Analysis	Total BTEX		1			71022	01/16/24 19:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			71024	01/16/24 17:15	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	70974	01/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70961	01/16/24 17:15	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	70972	01/16/24 08:48	CH	EET MID
Soluble	Analysis	300.0		1			70990	01/16/24 12:00	CH	EET MID

Client Sample ID: SW-7 (1.5')
Date Collected: 01/15/24 00:00
Date Received: 01/16/24 08:38

Lab Sample ID: 880-37989-16
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			5.02 g	5 mL	70973	01/16/24 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70970	01/16/24 19:48	SM	EET MID
Total/NA	Analysis	Total BTEX		1			71022	01/16/24 19:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			71024	01/16/24 17:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	70974	01/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70961	01/16/24 17:36	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	70972	01/16/24 08:48	CH	EET MID
Soluble	Analysis	300.0		1			70990	01/16/24 12:05	CH	EET MID

Client Sample ID: SW-8 (1.5')
Date Collected: 01/15/24 00:00
Date Received: 01/16/24 08:38

Lab Sample ID: 880-37989-17
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	70973	01/16/24 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70970	01/16/24 20:09	SM	EET MID
Total/NA	Analysis	Total BTEX		1			71022	01/16/24 20:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			71024	01/16/24 17:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	70974	01/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70961	01/16/24 17:57	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

Client Sample ID: SW-8 (1.5')

Lab Sample ID: 880-37989-17

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	70972	01/16/24 08:48	CH	EET MID
Soluble	Analysis	300.0		1			70990	01/16/24 12:10	CH	EET MID

Client Sample ID: SW-9 (1.5')

Lab Sample ID: 880-37989-18

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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	70973	01/16/24 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70970	01/16/24 20:29	SM	EET MID
Total/NA	Analysis	Total BTEX		1			71022	01/16/24 20:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			71024	01/16/24 18:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	70974	01/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70961	01/16/24 18:18	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	70972	01/16/24 08:48	CH	EET MID
Soluble	Analysis	300.0		1			70990	01/16/24 12:15	CH	EET MID

Client Sample ID: SW-10 (1.5')

Lab Sample ID: 880-37989-19

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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	70973	01/16/24 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70970	01/16/24 20:50	SM	EET MID
Total/NA	Analysis	Total BTEX		1			71022	01/16/24 20:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			71024	01/16/24 18:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	70974	01/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70961	01/16/24 18:39	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	70972	01/16/24 08:48	CH	EET MID
Soluble	Analysis	300.0		1			70990	01/16/24 12:20	CH	EET MID

Client Sample ID: SW-11 (2')

Lab Sample ID: 880-37989-20

Date Collected: 01/15/24 00:00

Matrix: Solid

Date Received: 01/16/24 08:38

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	70989	01/16/24 10:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70978	01/16/24 14:09	SM	EET MID
Total/NA	Analysis	Total BTEX		1			71022	01/16/24 14:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			71024	01/16/24 19:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	70974	01/16/24 09:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70961	01/16/24 19:01	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	70972	01/16/24 08:48	CH	EET MID
Soluble	Analysis	300.0		1			70990	01/16/24 12:25	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

Client Sample ID: SW-12 (2')
Date Collected: 01/15/24 00:00
Date Received: 01/16/24 08:38

Lab Sample ID: 880-37989-21
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			5.02 g	5 mL	70989	01/16/24 10:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70978	01/16/24 14:29	SM	EET MID
Total/NA	Analysis	Total BTEX		1			71022	01/16/24 14:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			71024	01/16/24 10:58	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	70975	01/16/24 09:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70963	01/16/24 10:58	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	70830	01/16/24 09:00	CH	EET MID
Soluble	Analysis	300.0		1			70991	01/16/24 13:32	CH	EET MID

Client Sample ID: SW-13 (2')
Date Collected: 01/15/24 00:00
Date Received: 01/16/24 08:38

Lab Sample ID: 880-37989-22
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	70989	01/16/24 10:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70978	01/16/24 14:50	SM	EET MID
Total/NA	Analysis	Total BTEX		1			71022	01/16/24 14:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			71024	01/16/24 12:03	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	70975	01/16/24 09:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70963	01/16/24 12:03	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	70830	01/16/24 09:00	CH	EET MID
Soluble	Analysis	300.0		1			70991	01/16/24 13:37	CH	EET MID

Client Sample ID: SW-14 (2')
Date Collected: 01/15/24 00:00
Date Received: 01/16/24 08:38

Lab Sample ID: 880-37989-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	70989	01/16/24 10:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70978	01/16/24 15:10	SM	EET MID
Total/NA	Analysis	Total BTEX		1			71022	01/16/24 15:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			71024	01/16/24 12:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	70975	01/16/24 09:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70963	01/16/24 12:25	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	70830	01/16/24 09:00	CH	EET MID
Soluble	Analysis	300.0		1			70991	01/16/24 13:43	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Gin and Tectonic Federal Com 502H

Job ID: 880-37989-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-37989-1	CS-1 (2')	Solid	01/15/24 00:00	01/16/24 08:38
880-37989-2	CS-2 (2')	Solid	01/15/24 00:00	01/16/24 08:38
880-37989-3	CS-3 (2')	Solid	01/15/24 00:00	01/16/24 08:38
880-37989-4	CS-4 (2')	Solid	01/15/24 00:00	01/16/24 08:38
880-37989-5	CS-5 (2')	Solid	01/15/24 00:00	01/16/24 08:38
880-37989-6	CS-6 (1.5')	Solid	01/15/24 00:00	01/16/24 08:38
880-37989-7	CS-7 (1.5')	Solid	01/15/24 00:00	01/16/24 08:38
880-37989-8	CS-8 (2')	Solid	01/15/24 00:00	01/16/24 08:38
880-37989-9	CS-9 (2')	Solid	01/15/24 00:00	01/16/24 08:38
880-37989-10	SW-1 (2')	Solid	01/15/24 00:00	01/16/24 08:38
880-37989-11	SW-2 (2')	Solid	01/15/24 00:00	01/16/24 08:38
880-37989-12	SW-3 (2')	Solid	01/15/24 00:00	01/16/24 08:38
880-37989-13	SW-4 (2')	Solid	01/15/24 00:00	01/16/24 08:38
880-37989-14	SW-5 (2')	Solid	01/15/24 00:00	01/16/24 08:38
880-37989-15	SW-6 (2')	Solid	01/15/24 00:00	01/16/24 08:38
880-37989-16	SW-7 (1.5')	Solid	01/15/24 00:00	01/16/24 08:38
880-37989-17	SW-8 (1.5')	Solid	01/15/24 00:00	01/16/24 08:38
880-37989-18	SW-9 (1.5')	Solid	01/15/24 00:00	01/16/24 08:38
880-37989-19	SW-10 (1.5')	Solid	01/15/24 00:00	01/16/24 08:38
880-37989-20	SW-11 (2')	Solid	01/15/24 00:00	01/16/24 08:38
880-37989-21	SW-12 (2')	Solid	01/15/24 00:00	01/16/24 08:38
880-37989-22	SW-13 (2')	Solid	01/15/24 00:00	01/16/24 08:38
880-37989-23	SW-14 (2')	Solid	01/15/24 00:00	01/16/24 08:38

Chain of Custody



880-37989 Chain of Custody

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

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> perfund <input type="checkbox"/>
State of Project:	
Reporting Level II	<input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables EDD	<input type="checkbox"/> ADaPT <input type="checkbox"/> Other

Project Name:		Gin and Tectonic Federal Com 502H		Turn Around		Pres. Code		ANALYSIS REQUEST																Preservative Codes							
Project Number:		2220		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Due Date:		24 HR		Parameters																		None: NO DI Water H ₂ O			
Project Location:		Lea County, New Mexico		Due Date:		24 HR				Parameters																		Cool Cool MeOH Me			
Sampler's Name:		JM		Due Date:		24 HR				Parameters																		HCL HC HNO ₃ HN			
PO #:				Due Date:		24 HR				Parameters																		H ₂ SO ₄ H ₂ NaOH Na			
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No		Parameters																		H ₃ PO ₄ HP			
Received Intact:		Yes No		N/A		Thermometer ID:		11.0		Parameters																		NaHSO ₄ NABIS			
Cooler Custody Seals:		Yes No		N/A		Correction Factor:		1.20		Parameters																		Na ₂ S ₂ O ₃ NaSO ₃			
Sample Custody Seals:		Yes No		N/A		Temperature Reading:		-11.0		Parameters																		Zn Acetate+NaOH Zn			
Total Containers:						Corrected Temperature:		-11.2		Parameters																		NaOH+Ascorbic Acid SAPC			
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont																		Sample Comments	
CS-1 (2')		1/15/2024				X				Comp		1		X X X																	
CS-2 (2')		1/15/2024				X				Comp		1		X X X																	
CS-3 (2')		1/15/2024				X				Comp		1		X X X																	
CS-4 (2')		1/15/2024				X				Comp		1		X X X																	
CS-5 (2')		1/15/2024				X				Comp		1		X X X																	
CS-6 (1.5')		1/15/2024				X				Comp		1		X X X																	
CS-7 (1.5')		1/15/2024				X				Comp		1		X X X																	
CS-8 (2')		1/15/2024				X				Comp		1		X X X																	
CS-9 (2')		1/15/2024				X				Comp		1		X X X																	
SW-1 (2')		1/15/2024				X				Comp		1		X X X																	

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	1/16/24 8:38		

Chain of Custody

Work Order No: 37989


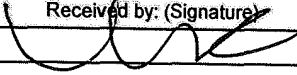
Page 2 of 3

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

Work Order Comments	
Program:	UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> perfund <input type="checkbox"/>
State of Project:	
Reporting Level II	<input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other

Project Name:		Gin and Tectonic Federal Com 502H		Turn Around				ANALYSIS REQUEST																Preservative Codes							
Project Number:		2220		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code																		None: NO DI Water H ₂ O							
Project Location:		Lea County, New Mexico		Due Date		24 HR																		Cool: Cool MeOH Me							
Sampler's Name:		JM																						HCL: HC HNO ₃ HN							
PO #:																								H ₂ SO ₄ : H ₂ NaOH Na							
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No																		H ₃ PO ₄ : HP					
Received Intact:		Yes No		Thermometer ID:																				NaHSO ₄ : NABIS							
Cooler Custody Seals:		Yes No N/A		Correction Factor:																				Na ₂ S ₂ O ₃ : NaSO ₃							
Sample Custody Seals:		Yes No N/A		Temperature Reading:																				Zn Acetate+NaOH: Zn							
Total Containers:				Corrected Temperature:																				NaOH+Ascorbic Acid: SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont																		Sample Comments	
SW-2 (2')		1/15/2024				X				Comp		1		X X X																	
SW-3 (2')		1/15/2024				X				Comp		1		X X X																	
SW-4 (2')		1/15/2024				X				Comp		1		X X X																	
SW-5 (2')		1/15/2024				X				Comp		1		X X X																	
SW-6 (2')		1/15/2024				X				Comp		1		X X X																	
SW-7 (1 5')		1/15/2024				X				Comp		1		X X X																	
SW-8 (1 5')		1/15/2024				X				Comp		1		X X X																	
SW-9 (1 5')		1/15/2024				X				Comp		1		X X X																	
SW-10 (1 5')		1/15/2024				X				Comp		1		X X X																	
SW-11 (2')		1/15/2024				X				Comp		1		X X X																	

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
		1/16/24 839					

37989

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-37989-1

SDG Number: Lea County, New Mexico

Login Number: 37989

List Number: 1

List Source: Eurofins Midland

Creator: Rodriguez, Leticia

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

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

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

QUESTIONS

Action 306791

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:	229137
	Action Number:	306791
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2336240076
Incident Name	NAPP2336240076 GIN AND TECTONIC FEDERAL COM 502H @ 0
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2323330746] GIN AND TECTONIC FED 5 N NORTH CTB

Location of Release Source	
Please answer all the questions in this group.	
Site Name	GIN AND TECTONIC FEDERAL COM 502H
Date Release Discovered	12/12/2023
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Valve Crude Oil Released: 14 BBL Recovered: 10 BBL Lost: 4 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 306791

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	306791
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

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	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 01/23/2024
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QUESTIONS, Page 3

Action 306791

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	306791
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	300
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	8015
GRO+DRO	(EPA SW-846 Method 8015M)	8015
BTEX	(EPA SW-846 Method 8021B or 8260B)	8021
Benzene	(EPA SW-846 Method 8021B or 8260B)	8021

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	01/10/2024
On what date will (or did) the final sampling or liner inspection occur	01/12/2024
On what date will (or was) the remediation complete(d)	01/16/2024
What is the estimated surface area (in square feet) that will be reclaimed	800
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	800
What is the estimated volume (in cubic yards) that will be remediated	60

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 306791

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:	229137
	Action Number:	306791
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	GIN AND TECTONIC FED 5 N NORTH CTB [fAPP2323330746]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 01/23/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 306791

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 306791
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 306791

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:	229137
	Action Number:	306791
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	302266
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/12/2024
What was the (estimated) number of samples that were to be gathered	36
What was the sampling surface area in square feet	2400

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	800
What was the total volume (cubic yards) remediated	60
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Spill on pad, dig and haul remediaton, will reclaim/revegetate during P/A.

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 (in .pdf format) 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.

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.

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 01/23/2024
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QUESTIONS, Page 7

Action 306791

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 306791
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 306791

CONDITIONS

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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	3/29/2024