

CARMONA RESOURCES



SITE INFORMATION

Closure Report
Gehrig Federal Com 5H (01.25.22)
Incident No NAPP2204737123
Eddy County, New Mexico
Unit P Sec 09 T26S R29E
32.051259°, -103.981426°

Produced Water Release/Crude Oil
Point of Release: Pressure coming out of PSV valve
Release Date: 01/25/2022
Volume Released: 3.448 bbls of PW/ 3.138 bbls of Oil
Volume Recovered: 0 bbls of PW/ 0 bbls of Oil

CARMONA RESOURCES



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

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

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

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March 3, 2022

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

Re: Closure Report
Gehrig Federal Com 5H (01.25.22)
Concho Operating, LLC
Incident ID NAPP2204737123
Site Location: Unit P, S09, T26S, R29E
(Lat 32.051259°, Long -103.981426°)
Eddy 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 activities for Gehrig Federal Com 5H (01.25.2). The site is located at 32.051259°, -103.981426° within Unit P, S09, T26S, R29E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on January 25, 2022, due to the pressure coming out of the PSV valve. It resulted in approximately three point four hundred forty-eight (3.448) barrels of produced water and three-point one hundred thirty-eight barrels of crude oil. Zero (0) barrels of produced water and crude oil were recovered. See figure 3. The initial C-141 form is attached in Appendix A.

2.0 Site Characterization and Groundwater

The site is located within a high karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The closest well is located approximately 1.51 miles East of the site in S11, T26S, R28E and was drilled in 1992. The well has a reported depth to groundwater of 120.86' feet below ground surface (ft bgs). A copy of the associated *USGS – National Water Information System* report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.

- TPH: 100 mg/kg (GRO + DRO + MRO).
- Chloride: 600 mg/kg

4.0 Site Assessment Activities

On February 7, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of five (5) sample points were advanced to depths ranging from the surface – 1.0' bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figure 3 for the soil sample locations.

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

Refer to Table 1.

Trenches

On February 17, 2022, Carmona Resources personnel were on site to vertically define the release. A total of two (2) trenches (T-1 and T-2) were installed to total depths ranging from 1.5' to 2.5' below the surface. A backhoe was used to break through the dense layer. Soil samples were collected and submitted to the laboratory for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix A.

The results of the sampling are summarized in Table 1. See Figure 3 for the sample locations.

5.0 Remediation Activities

Carmona Resources personnel were onsite from January 17, 2022, through January 18, 2022, to supervise the remediation activities and collect confirmation samples. The areas were excavated to 2.0' bgs to remove all impacted soils.

A total of three (3) confirmation samples were collected (CS-1 through CS-3), and eight (8) sidewall samples (SW-1 through SW-8) were collected every 200 square feet to ensure proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The results of the sampling are summarized in Table 2. The excavation depths and confirmation sample locations are shown in Figure 4.

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



Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 25 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Conclusions

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

Sincerely,

Carmona Resources, LLC

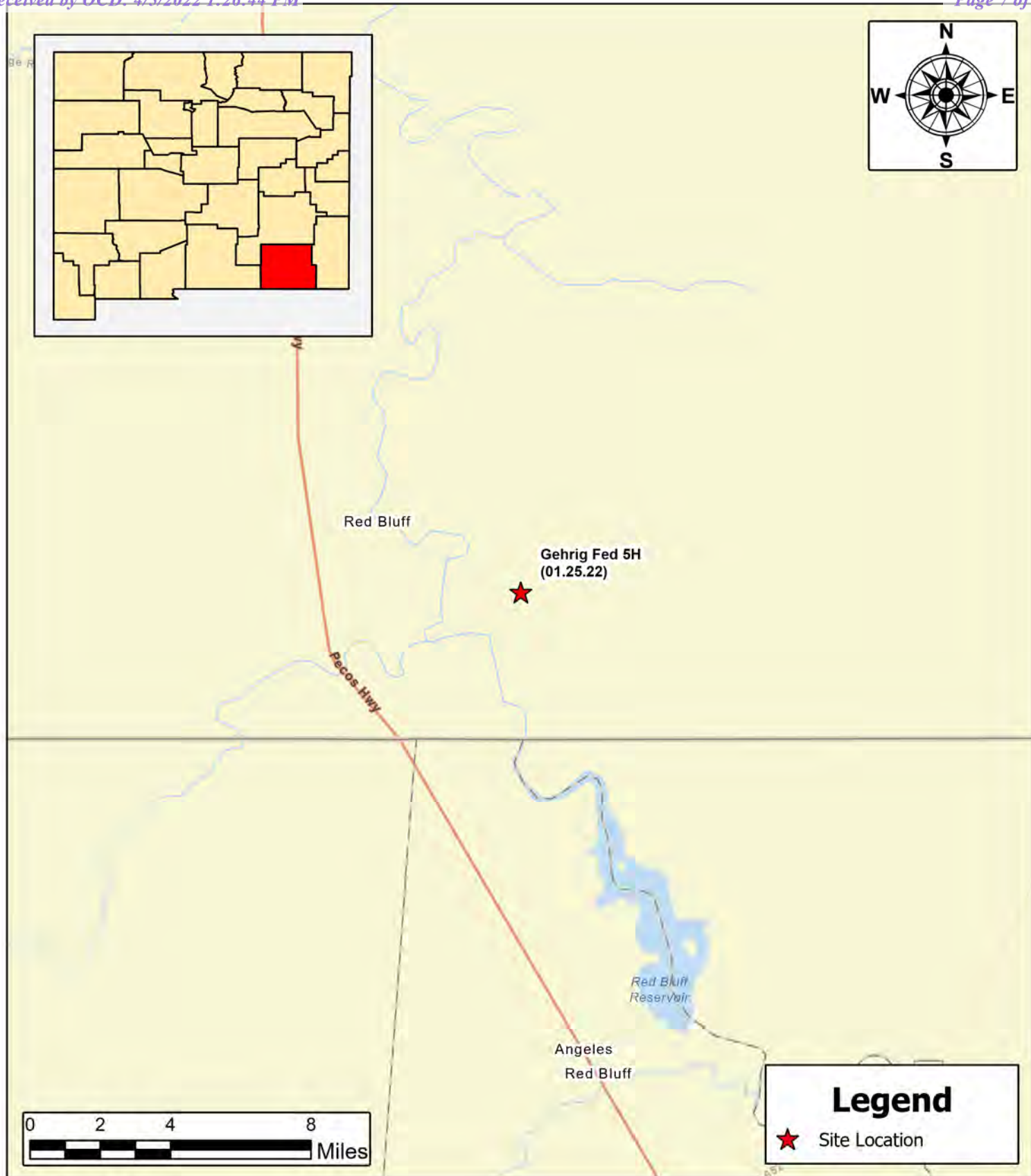
Mike Carmona
Environmental Manager

Conner Moehring
Environmental Manager

FIGURES

CARMONA RESOURCES





OVERVIEW MAP
COG OPERATING
GEHRIG FED 5H (01.25.22)
EDDY COUNTY, NEW MEXICO
32.051259, -103.981426

SCALE: As Shown

Date: 2/19/2022



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

NOTES:

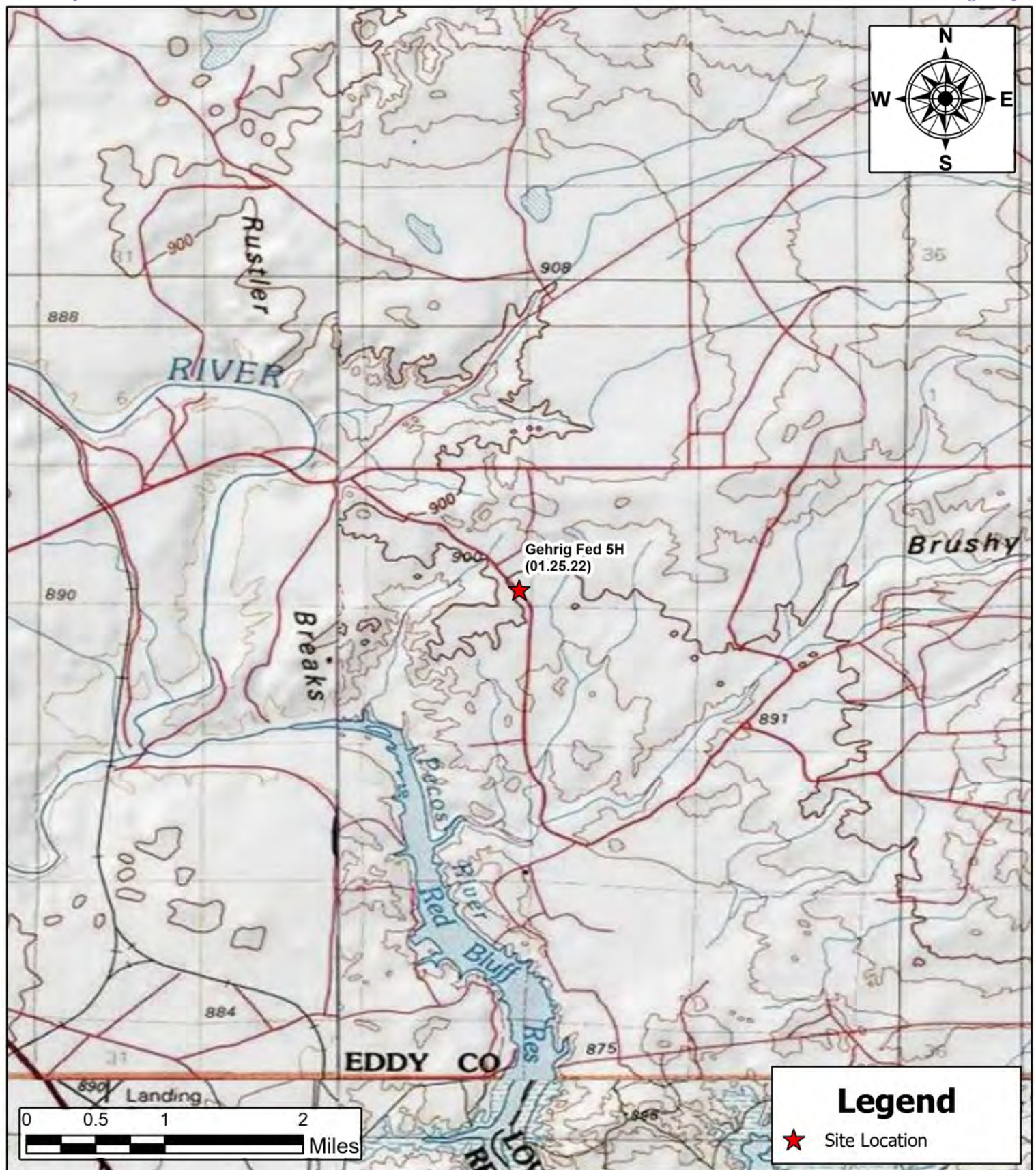
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

FIGURE 1

SHEET NUMBER:

1 of 1



TOPOGRAPHIC MAP
COG OPERATING
GEHRIG FED 5H (01.25.22)
EDDY COUNTY, NEW MEXICO
32.051259, -103.981426

SCALE: As Shown

Date: 2/19/2022

CARMONA RESOURCES



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 310 West Wall Street, Suite 415
 Midland, Texas 79701

NOTES:

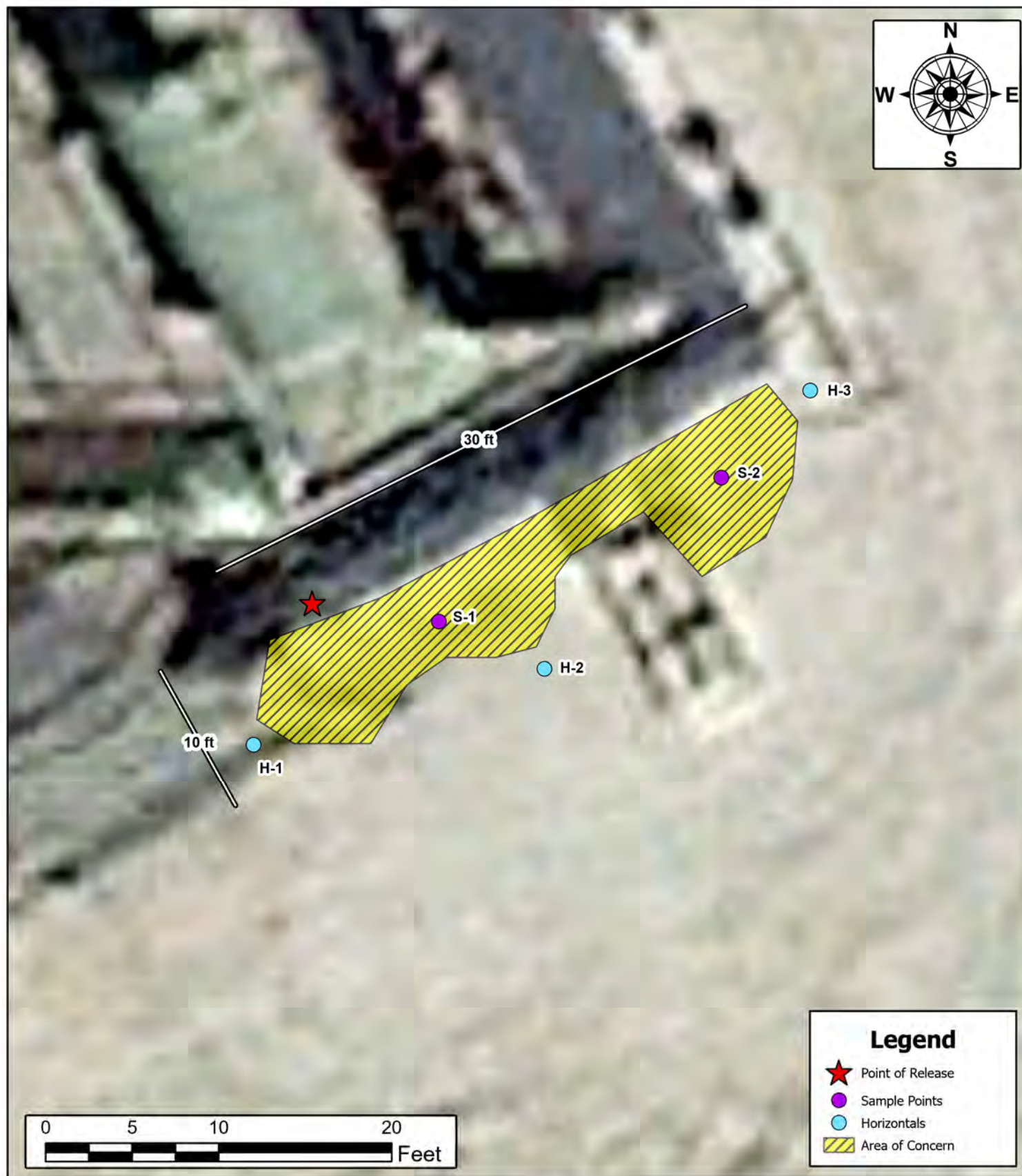
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

FIGURE 2

SHEET NUMBER:

1 of 1



SAMPLE LOCATION MAP
COG OPERATING
 GEHRIG FED 5H (01.25.22)
 EDDY COUNTY, NEW MEXICO
 32.051259, -103.981426

SCALE: As Shown

Date: 2/19/2022



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

NOTES:

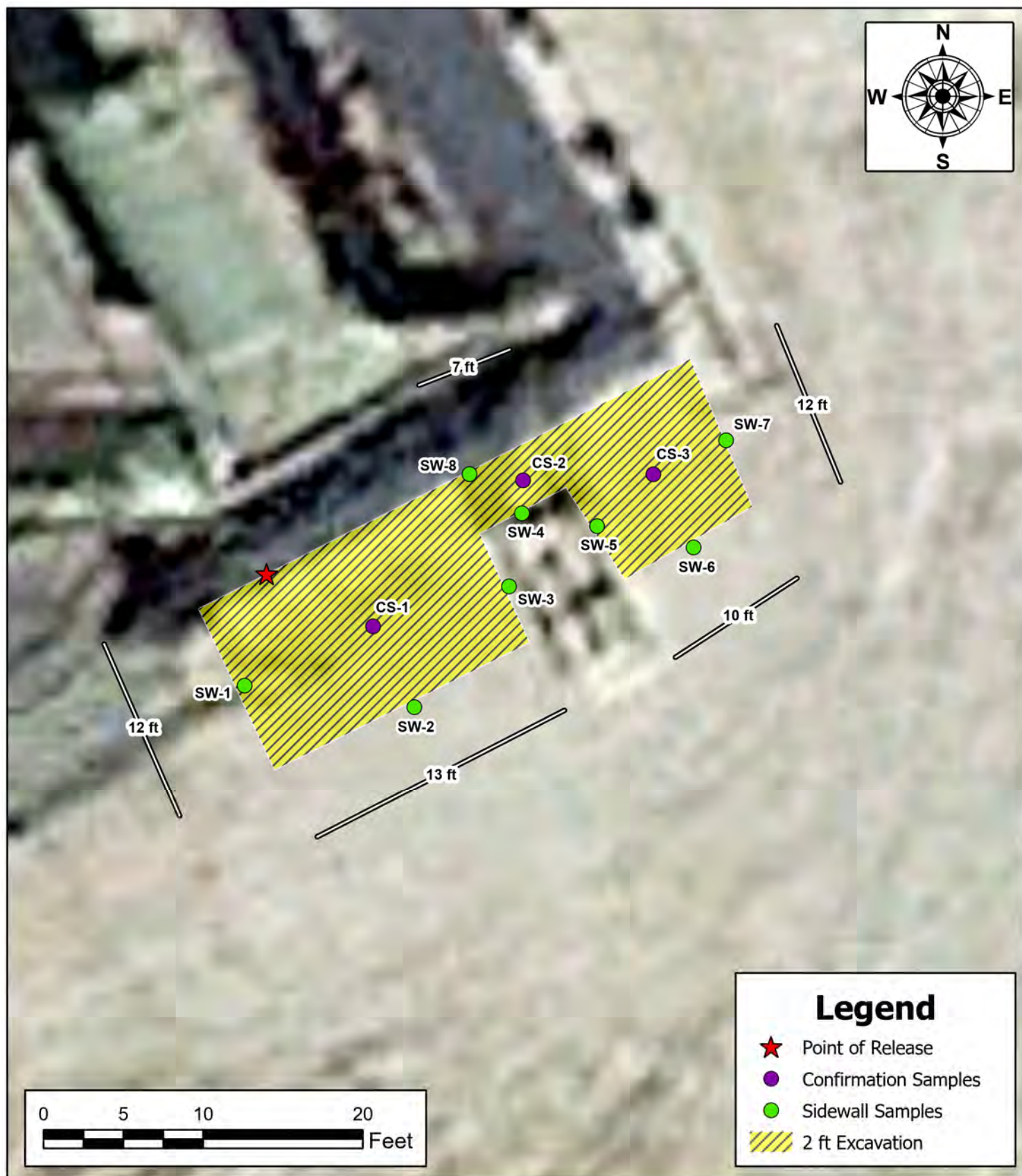
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

FIGURE 3

SHEET NUMBER:

1 of 1



EXCAVATION DEPTH MAP
COG OPERATING
 GEHRIG FED 5H (01.25.22)
 EDDY COUNTY, NEW MEXICO
 32.051259, -103.981426

SCALE: As Shown

Date: 2/22/2022



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

NOTES:

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

DRAWING NUMBER:

FIGURE 4

SHEET NUMBER:

1 of 1

APPENDIX A

CARMONA RESOURCES



Table 1
COG
Gehrig Federal 5H (01.25.22)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)	
			GRO	DRO	MRO	Total							
S-1	2/7/2022	0-0.5	2,140	3,850	<0.50	5,990	1.03	18.6	12.6	53.3	85.5	3,870	
	"	0.5-1	<49.9	495	<49.9	495	<0.00199	0.0145	0.00531	0.0489	0.0687	4,530	
T-1	2/17/2022	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	407	
	"	2.0	<50.0	55.8	<50.0	55.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	17.5	
	"	2.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5.89	
S-2	2/7/2022	0-0.5	<0.50	1,030	<0.50	1,030	<0.00198	0.0177	0.0187	0.116	0.152	3,730	
	"	0.5-1	<0.50	329	<0.50	329	<0.00199	0.0055	<0.00199	0.0349	0.0404	3,800	
T-2	2/17/2022	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	370	
	"	2.0	<50.0	72.4	<50.0	72.4	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	18.5	
	"	2.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6.89	
H-1	2/7/2022	0-0.5	<0.50	<0.50	<0.50	<0.50	<0.00199	<0.00199	<0.00199	<0.00398	<0.00400	40.6	
H-2	2/7/2022	0-0.5	<0.50	<0.50	<0.50	<0.50	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	23.5	
H-3	2/7/2022	0-0.5	<0.50	<0.50	<0.50	<0.50	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	76.7	
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

(T) Trench

 Removed

Table 2
COG
Gehrig Federal 5H (01.25.22)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	2/18/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	11.5
CS-2	2/18/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	12.6
CS-3	2/18/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6.41
SW-1	2/18/2022	2.0	<50.0	56.2	<50.0	56.2	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	12.6
SW-2	2/18/2022	2.0	<49.9	57.8	<49.9	57.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	12.0
SW-3	2/18/2022	2.0	<50.0	75.4	<50.0	75.4	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	10.3
SW-4	2/18/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	7.08
SW-5	2/18/2022	2.0	<49.9	50.7	<49.9	50.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	7.06
SW-6	2/18/2022	2.0	<50.0	99.0	<50.0	99.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	7.3
SW-7	2/18/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	7.10
SW-8	2/18/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	7.00
Regulatory Criteria ^A						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(CS) Confirmation Sample

(SW) Sidewall

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 1

Facility: Gehrig Federal No.5 (01.25.22)

County: Eddy County, New Mexico

Description:

View North, area of S-1 and T-1



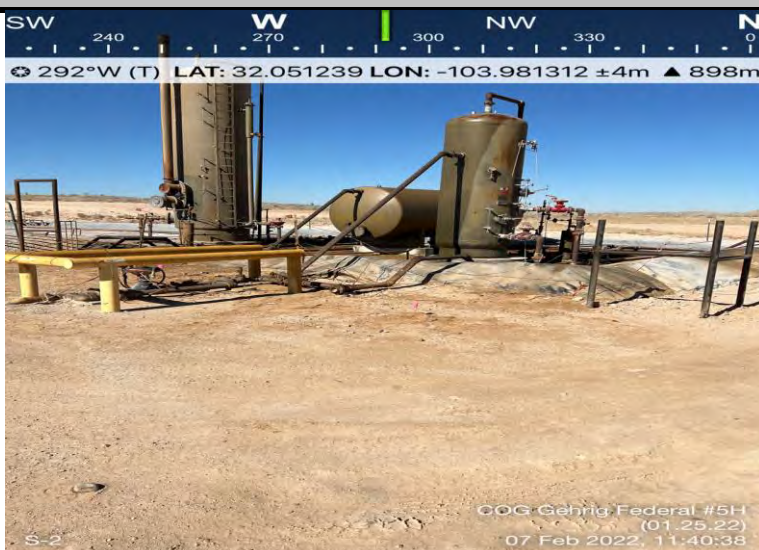
Photograph No. 2

Facility: Gehrig Federal No.5 (01.25.22)

County: Eddy County, New Mexico

Description:

View West, area of S-2 and T-2



Photograph No. 3

Facility: Gehrig Federal No.5 (01.25.22)

County: Eddy County, New Mexico

Description:

View Northwest of remediation activities.



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 1

Facility: Gehrig Federal No.5 (01.25.22)

County: Eddy County, New Mexico

Description:

View West of remediation activities



Photograph No. 2

Facility: Gehrig Federal No.5 (01.25.22)

County: Eddy County, New Mexico

Description:

View Southwest of remediation activities



APPENDIX C

CARMONA RESOURCES



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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

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

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

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

☐ The source of the release has been stopped.	
☐ The impacted area has been secured to protect human health and the environment.	
☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
☐ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <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></u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: _____	Date: _____

L48 Spill Volume Estimate Form

Received by OCD: 4/5/2022 1:26:44 PM

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Facility Name & Number:	Gehrig Federal 5h
Asset Area:	DBWN
Release Discovery Date & Time:	1/25/2022 0700
Release Type:	Oil Mixture
Provide any known details about the event:	6.54 bbl spill from pop off on heater

Spill Calculation - On Pad Surface Pool Spill

Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Deepest point in each of the areas (in.)	No. of boundaries of "shore" in each area	Estimated <u>Pool</u> Area (sq. ft.)	Estimated Average Depth (ft.)	Estimated volume of each pool area (bbl.)	Penetration allowance (ft.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture	Total Estimated Volume of Spilled Oil (bbl.)
Rectangle A	21.0	12.0	1.50	3	252.000	0.042	1.869	0.002	1.873	0.00%	0.000
Rectangle B	21.0	9.0	1.50	2	189.000	0.063	2.103	0.003	2.109	50.00%	1.055
Rectangle C	21.0	9.0	1.50	3	189.000	0.042	1.402	0.002	1.405	80.00%	1.124
Rectangle D	7.0	2.0	1.00	1	14.000	0.083	0.208	0.004	0.209	80.00%	0.167
Rectangle E	48.0	3.0	0.13	1	144.000	0.011	0.278	0.001	0.278	80.00%	0.222
Rectangle F	48.0	4.0	0.25	1	192.000	0.021	0.712	0.001	0.713	80.00%	0.570
Rectangle G					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!
Rectangle H					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!
Rectangle I					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!
Released to Imaging: 4/20/2022 8:57:24 AM					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!
Total Volume Release:									6.586		3.138

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Jaques Heredia Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

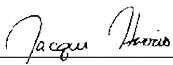
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled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

COG Gehrig Federal 5H (1.25.22) 48 hour Sampling Notification



Mike Carmona <Mcarmona@carmonaresources.com>

2/15/2022 2:23 PM

To: @CD.Enviro@state.nm.us Cc: Harris, Jacqui; Conner Moehring

Good Afternoon,

On behalf of COG, Carmona Resources will be collecting confirmation samples at the below-referenced site for the at-risk remediation on 02/17/2022 at 2:00 Mountain Time. Please let me know if you have any questions.

COG Gehrig Fed 5H (01.25.22)

Sec 9 T26S R29E Unit P

32.051111°, -103.981797°

Eddy County, New Mexico

Mike J. Carmona

310 West Wall Street, Suite 415

Midland TX, 79701

M: 432-813-1992

Mcarmona@carmonaresources.com



APPENDIX D

CARMONA RESOURCES

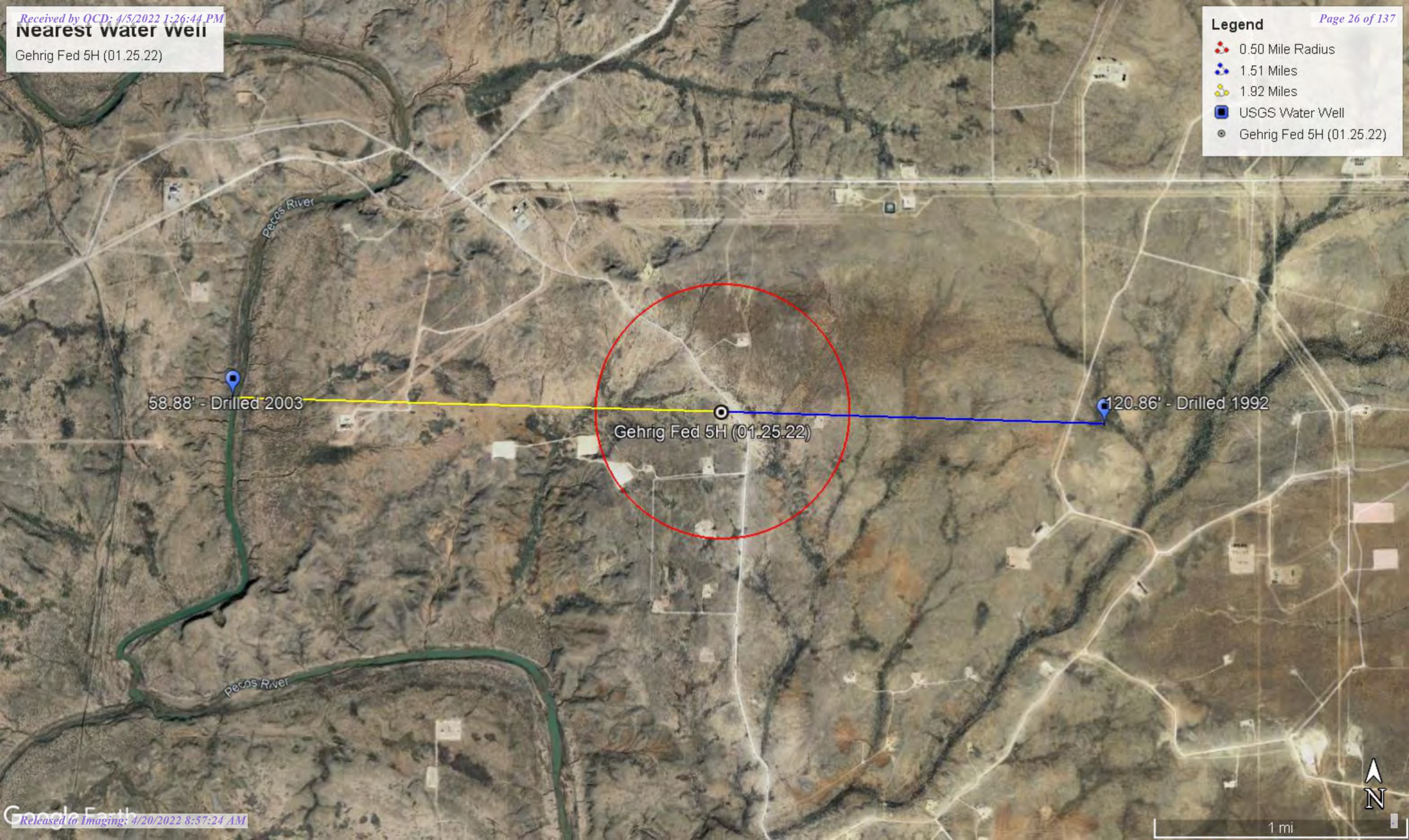


Nearest water well

Gehrig Fed 5H (01.25.22)

Legend

- 0.50 Mile Radius
- 1.51 Miles
- 1.92 Miles
- USGS Water Well
- Gehrig Fed 5H (01.25.22)

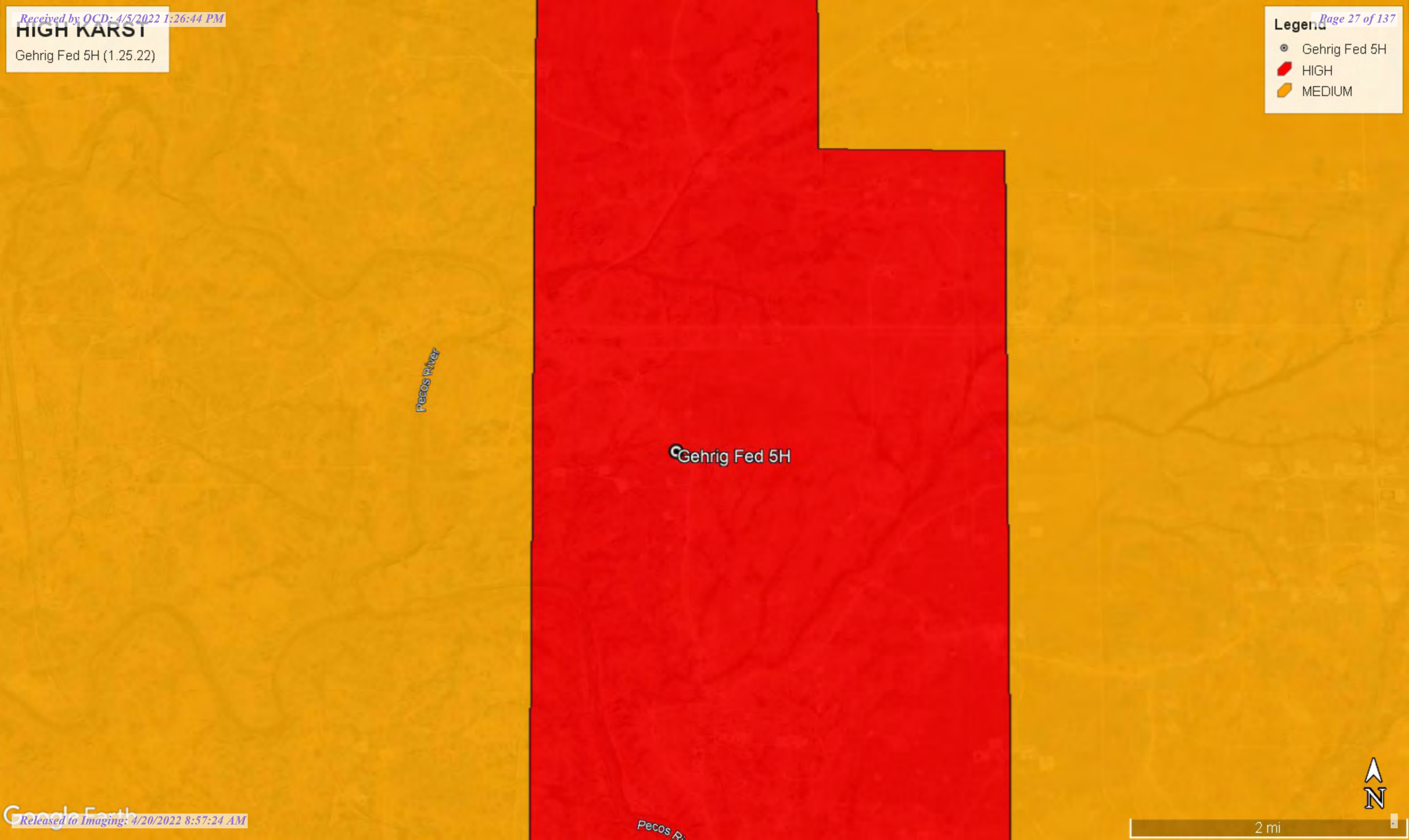


HIGH KARST

Gehrig Fed 5H (1.25.22)

Legend

- Gehrig Fed 5H
- HIGH
- MEDIUM





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	Depth Well	Depth Water	Water Column
C 01354 X-3	CUB	ED	2	1	3	23	26S	29E	598323	3543837		170		
C 02038	C	ED	3	2	4	26	26S	29E	599204	3541992*		200		
C 03507 POD1	C	ED	1	3	3	05	26S	29E	593064	3548313		140	78	62
C 03508 POD1	C	ED	1	3	3	05	26S	29E	593063	3548361		140	75	65
C 03605 POD1	CUB	ED	4	2	3	27	26S	29E	596990	3541983		45	0	45
C 04561 POD1	CUB	ED	4	3	3	24	26S	29E	599924	3543208				

Average Depth to Water: **51 feet**

Minimum Depth: **0 feet**

Maximum Depth: **78 feet**

Record Count: 6

PLSS Search:

Township: 26S

Range: 29E

*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.

2/4/22 3:28 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



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Geographic Area:New Mexico

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320307104005301

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

USGS 320307104005301 26S.28E.13.11214

Eddy County, New Mexico
Latitude 32°03'07", Longitude 104°00'53" NAD27
Land-surface elevation 2,858 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1948-12-15			D 62610		2796.46	NGVD29	1		Z	
1948-12-15			D 62611		2798.00	NAVD88	1		Z	
1948-12-15			D 72019	60.00			1		Z	
1975-12-09			D 62610		2796.97	NGVD29	1		Z	
1975-12-09			D 62611		2798.51	NAVD88	1		Z	
1975-12-09			D 72019	59.49			1		Z	
1976-01-20			D 62610		2797.89	NGVD29	1		Z	
1976-01-20			D 62611		2799.43	NAVD88	1		Z	
1976-01-20			D 72019	58.57			1		Z	
1977-01-13			D 62610		2802.13	NGVD29	1		Z	
1977-01-13			D 62611		2803.67	NAVD88	1		Z	
1977-01-13			D 72019	54.33			1		Z	
1978-02-23			D 62610		2799.71	NGVD29	1		Z	
1978-02-23			D 62611		2801.25	NAVD88	1		Z	
1978-02-23			D 72019	56.75			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	? Status	? Method of measurement	? Measuring agency	? Source measu
1983-01-26			D	62610	2803.36	NGVD29	1	Z		
1983-01-26			D	62611	2804.90	NAVD88	1	Z		
1983-01-26			D	72019	53.10		1	Z		
1987-10-14			D	62610	2801.32	NGVD29	1	Z		
1987-10-14			D	62611	2802.86	NAVD88	1	Z		
1987-10-14			D	72019	55.14		1	Z		
1988-03-22			D	62610	2798.73	NGVD29	1	Z		
1988-03-22			D	62611	2800.27	NAVD88	1	Z		
1988-03-22			D	72019	57.73		1	Z		
1993-01-05			D	62610	2796.63	NGVD29	1	S		
1993-01-05			D	62611	2798.17	NAVD88	1	S		
1993-01-05			D	72019	59.83		1	S		
1998-01-22			D	62610	2803.01	NGVD29	1	S		
1998-01-22			D	62611	2804.55	NAVD88	1	S		
1998-01-22			D	72019	53.45		1	S		
2003-01-27			D	62610	2797.58	NGVD29	1	S	USGS	
2003-01-27			D	62611	2799.12	NAVD88	1	S	USGS	
2003-01-27			D	72019	58.88		1	S	USGS	

Explanation

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

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Page Contact Information: [New Mexico Water Data Maintainer](#)

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Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 320301103572201

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 320301103572201 26S.29E.16.213241

Eddy County, New Mexico

Latitude 32°03'01", Longitude 103°57'22" NAD27

Land-surface elevation 2,958 feet above NAVD88

The depth of the well is 335 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1949-01-03			D 62610		2831.41	NGVD29	1		Z	
1949-01-03			D 62611		2832.97	NAVD88	1		Z	
1949-01-03			D 72019	125.03			1		Z	
1977-03-09			D 62610		2831.59	NGVD29	1		Z	
1977-03-09			D 62611		2833.15	NAVD88	1		Z	
1977-03-09			D 72019	124.85			1		Z	
1978-01-17			D 62610		2832.82	NGVD29	1		Z	
1978-01-17			D 62611		2834.38	NAVD88	1		Z	
1978-01-17			D 72019	123.62			1		Z	
1987-10-14			D 62610		2834.90	NGVD29	1		Z	
1987-10-14			D 62611		2836.46	NAVD88	1		Z	
1987-10-14			D 72019	121.54			1		Z	
1992-11-03			D 62610		2835.58	NGVD29	1		S	
1992-11-03			D 62611		2837.14	NAVD88	1		S	

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1992-11-03			D	72019	120.86		1	S		

Explanation

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

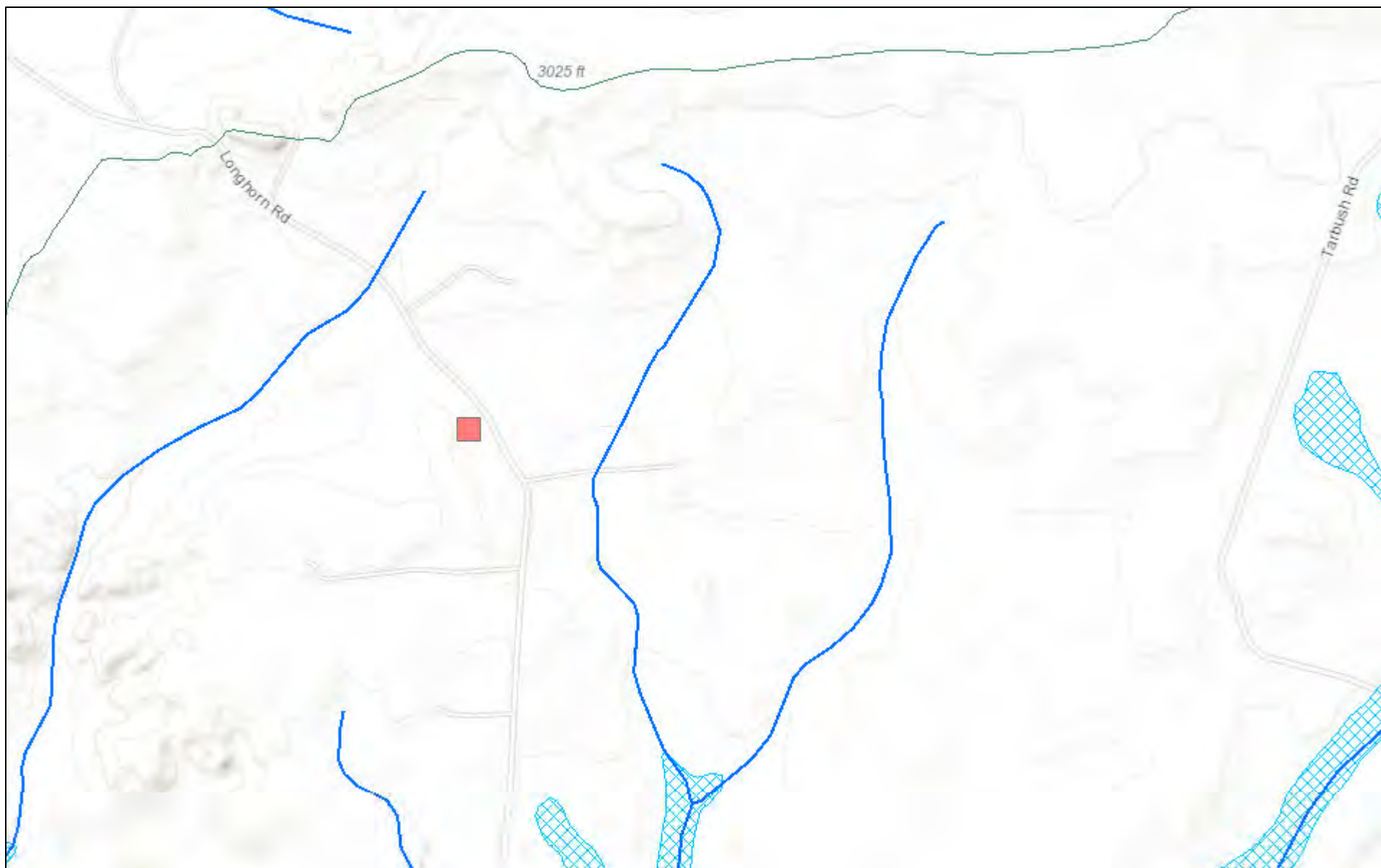
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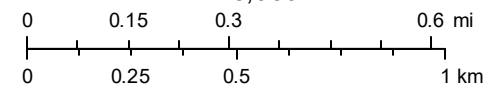
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0.27 0.24 nadww01

New Mexico NFHL Data



February 4, 2022

1:18,056



FEMA
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS,

APPENDIX E

CARMONA RESOURCES





Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-10990-1

Laboratory Sample Delivery Group: Eddy Co, NM
Client Project/Site: Gehrig Fed 5H (01.25.22)

For:

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

Attn: Conner Moehring

Authorized for release by:
2/14/2022 1:17:49 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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

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

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Laboratory Job ID: 880-10990-1
SDG: Eddy Co, NM

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Certification Summary	17
Method Summary	18
Sample Summary	19
Chain of Custody	20
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Definitions/Glossary

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-10990-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-10990-1
SDG: Eddy Co, NM

Job ID: 880-10990-1

Laboratory: Eurofins Midland

Narrative**Job Narrative
880-10990-1****Receipt**

The samples were received on 2/8/2022 10:17 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.3°C

GC VOA

Method 8021B: The following sample was diluted due to the nature of the sample matrix: S-1 (0-6") (880-10990-1) at 50.0. Elevated reporting limits (RLs) are provided.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-2 (0-6") (880-10990-3), S-2 (6-12") (880-10990-4), (LCSD 880-18779/3-A), (880-10781-A-22-D), (880-10781-A-22-E MS) and (880-10781-A-22-F MSD). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Client Sample Results

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-10990-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (0-6")

Lab Sample ID: 880-10990-1

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.03		0.101		mg/Kg		02/09/22 08:00	02/09/22 18:28	50
Toluene	18.6		0.101		mg/Kg		02/09/22 08:00	02/09/22 18:28	50
Ethylbenzene	12.6		0.101		mg/Kg		02/09/22 08:00	02/09/22 18:28	50
m-Xylene & p-Xylene	38.9		0.202		mg/Kg		02/09/22 08:00	02/09/22 18:28	50
o-Xylene	14.4		0.101		mg/Kg		02/09/22 08:00	02/09/22 18:28	50
Xylenes, Total	53.3		0.202		mg/Kg		02/09/22 08:00	02/09/22 18:28	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	183	S1+	70 - 130	02/09/22 08:00	02/09/22 18:28	50
1,4-Difluorobenzene (Surr)	104		70 - 130	02/09/22 08:00	02/09/22 18:28	50

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	85.5		0.202		mg/Kg			02/10/22 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	5990		50.0		mg/Kg			02/10/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	2140		50.0		mg/Kg		02/08/22 11:00	02/08/22 17:33	1
Diesel Range Organics (Over C10-C28)	3850		50.0		mg/Kg		02/08/22 11:00	02/08/22 17:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/08/22 11:00	02/08/22 17:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	02/08/22 11:00	02/08/22 17:33	1
o-Terphenyl	79		70 - 130	02/08/22 11:00	02/08/22 17:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3870		50.4		mg/Kg			02/11/22 06:18	10

Client Sample ID: S-1 (6-12")

Lab Sample ID: 880-10990-2

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/09/22 08:00	02/09/22 18:48	1
Toluene	0.0145		0.00199		mg/Kg		02/09/22 08:00	02/09/22 18:48	1
Ethylbenzene	0.00531		0.00199		mg/Kg		02/09/22 08:00	02/09/22 18:48	1
m-Xylene & p-Xylene	0.0320		0.00398		mg/Kg		02/09/22 08:00	02/09/22 18:48	1
o-Xylene	0.0169		0.00199		mg/Kg		02/09/22 08:00	02/09/22 18:48	1
Xylenes, Total	0.0489		0.00398		mg/Kg		02/09/22 08:00	02/09/22 18:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	02/09/22 08:00	02/09/22 18:48	1
1,4-Difluorobenzene (Surr)	95		70 - 130	02/09/22 08:00	02/09/22 18:48	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-10990-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (6-12")

Lab Sample ID: 880-10990-2

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0687		0.00398		mg/Kg			02/10/22 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	495		49.9		mg/Kg			02/10/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/08/22 11:00	02/08/22 17:55	1
Diesel Range Organics (Over C10-C28)	495		49.9		mg/Kg		02/08/22 11:00	02/08/22 17:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/08/22 11:00	02/08/22 17:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				02/08/22 11:00	02/08/22 17:55	1
o-Terphenyl	77		70 - 130				02/08/22 11:00	02/08/22 17:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4530		49.9		mg/Kg			02/11/22 06:44	10

Client Sample ID: S-2 (0-6")

Lab Sample ID: 880-10990-3

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/09/22 08:00	02/09/22 19:09	1
Toluene	0.0177		0.00198		mg/Kg		02/09/22 08:00	02/09/22 19:09	1
Ethylbenzene	0.0187		0.00198		mg/Kg		02/09/22 08:00	02/09/22 19:09	1
m-Xylene & p-Xylene	0.0781		0.00397		mg/Kg		02/09/22 08:00	02/09/22 19:09	1
o-Xylene	0.0379		0.00198		mg/Kg		02/09/22 08:00	02/09/22 19:09	1
Xylenes, Total	0.116		0.00397		mg/Kg		02/09/22 08:00	02/09/22 19:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				02/09/22 08:00	02/09/22 19:09	1
1,4-Difluorobenzene (Surr)	91		70 - 130				02/09/22 08:00	02/09/22 19:09	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.152		0.00397		mg/Kg			02/10/22 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1030		50.0		mg/Kg			02/10/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/08/22 11:00	02/08/22 18:15	1
Diesel Range Organics (Over C10-C28)	1030		50.0		mg/Kg		02/08/22 11:00	02/08/22 18:15	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-10990-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (0-6")

Lab Sample ID: 880-10990-3

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/08/22 11:00	02/08/22 18:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130				02/08/22 11:00	02/08/22 18:15	1
o-Terphenyl	73		70 - 130				02/08/22 11:00	02/08/22 18:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3730		49.8		mg/Kg			02/11/22 06:53	10

Client Sample ID: S-2 (6-12")

Lab Sample ID: 880-10990-4

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/09/22 08:00	02/09/22 19:29	1
Toluene	0.00550		0.00199		mg/Kg		02/09/22 08:00	02/09/22 19:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/09/22 08:00	02/09/22 19:29	1
m-Xylene & p-Xylene	0.0214		0.00398		mg/Kg		02/09/22 08:00	02/09/22 19:29	1
o-Xylene	0.0135		0.00199		mg/Kg		02/09/22 08:00	02/09/22 19:29	1
Xylenes, Total	0.0349		0.00398		mg/Kg		02/09/22 08:00	02/09/22 19:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				02/09/22 08:00	02/09/22 19:29	1
1,4-Difluorobenzene (Surr)	101		70 - 130				02/09/22 08:00	02/09/22 19:29	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0404		0.00398		mg/Kg			02/10/22 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	329		50.0		mg/Kg			02/10/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/08/22 11:00	02/08/22 18:35	1
Diesel Range Organics (Over C10-C28)	329		50.0		mg/Kg		02/08/22 11:00	02/08/22 18:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/08/22 11:00	02/08/22 18:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130				02/08/22 11:00	02/08/22 18:35	1
o-Terphenyl	72		70 - 130				02/08/22 11:00	02/08/22 18:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3800		49.5		mg/Kg			02/11/22 07:02	10

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Surrogate Summary

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-10990-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-10990-1	S-1 (0-6")	183 S1+	104
880-10990-2	S-1 (6-12")	112	95
880-10990-3	S-2 (0-6")	128	91
880-10990-4	S-2 (6-12")	105	101
880-10991-A-1-F MS	Matrix Spike	97	94
880-10991-A-1-G MSD	Matrix Spike Duplicate	99	101
LCS 880-18817/1-A	Lab Control Sample	99	108
LCSD 880-18817/2-A	Lab Control Sample Dup	92	104
MB 880-18817/5-A	Method Blank	97	99
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-10781-A-22-E MS	Matrix Spike	71	64 S1-
880-10781-A-22-F MSD	Matrix Spike Duplicate	71	64 S1-
880-10990-1	S-1 (0-6")	100	79
880-10990-2	S-1 (6-12")	74	77
880-10990-3	S-2 (0-6")	69 S1-	73
880-10990-4	S-2 (6-12")	68 S1-	72
LCS 880-18779/2-A	Lab Control Sample	76	71
LCSD 880-18779/3-A	Lab Control Sample Dup	72	68 S1-
MB 880-18779/1-A	Method Blank	76	83
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-10990-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-18817/5-A

Matrix: Solid

Analysis Batch: 18880

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 18817

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/09/22 08:00	02/09/22 10:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/22 08:00	02/09/22 10:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/09/22 08:00	02/09/22 10:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/09/22 08:00	02/09/22 10:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/09/22 08:00	02/09/22 10:34	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/09/22 08:00	02/09/22 10:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	02/09/22 08:00	02/09/22 10:34	1
1,4-Difluorobenzene (Surr)	99		70 - 130	02/09/22 08:00	02/09/22 10:34	1

Lab Sample ID: LCS 880-18817/1-A

Matrix: Solid

Analysis Batch: 18880

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 18817

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09932		mg/Kg		99	70 - 130
Toluene	0.100	0.09427		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.1041		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	0.200	0.1935		mg/Kg		97	70 - 130
o-Xylene	0.100	0.1004		mg/Kg		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: LCSD 880-18817/2-A

Matrix: Solid

Analysis Batch: 18880

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 18817

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.09160		mg/Kg		92	70 - 130	8	35
Toluene	0.100	0.08864		mg/Kg		89	70 - 130	6	35
Ethylbenzene	0.100	0.09563		mg/Kg		96	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1828		mg/Kg		91	70 - 130	6	35
o-Xylene	0.100	0.09275		mg/Kg		93	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-10991-A-1-F MS

Matrix: Solid

Analysis Batch: 18880

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 18817

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U	0.101	0.09593		mg/Kg		95	70 - 130
Toluene	<0.00199	U	0.101	0.09474		mg/Kg		94	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-10990-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-10991-A-1-F MS

Matrix: Solid

Analysis Batch: 18880

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 18817

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00199	U	0.101	0.09881		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1857		mg/Kg		92	70 - 130
o-Xylene	<0.00199	U	0.101	0.09491		mg/Kg		94	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-10991-A-1-G MSD

Matrix: Solid

Analysis Batch: 18880

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 18817

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0996	0.08727		mg/Kg		87	70 - 130	9	35
Toluene	<0.00199	U	0.0996	0.08557		mg/Kg		85	70 - 130	10	35
Ethylbenzene	<0.00199	U	0.0996	0.08563		mg/Kg		86	70 - 130	14	35
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1658		mg/Kg		83	70 - 130	11	35
o-Xylene	<0.00199	U	0.0996	0.08387		mg/Kg		84	70 - 130	12	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

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

Lab Sample ID: MB 880-18779/1-A

Matrix: Solid

Analysis Batch: 18806

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 18779

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		02/07/22 17:05	02/08/22 13:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/07/22 17:05	02/08/22 13:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/07/22 17:05	02/08/22 13:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130	02/07/22 17:05	02/08/22 13:37	1
o-Terphenyl	83		70 - 130	02/07/22 17:05	02/08/22 13:37	1

Lab Sample ID: LCS 880-18779/2-A

Matrix: Solid

Analysis Batch: 18806

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 18779

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	866.4		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	1000	879.4		mg/Kg		88	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-10990-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-18779/2-A

Matrix: Solid

Analysis Batch: 18806

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 18779

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	76		70 - 130
o-Terphenyl	71		70 - 130

Lab Sample ID: LCSD 880-18779/3-A

Matrix: Solid

Analysis Batch: 18806

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 18779

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	826.6		mg/Kg		83	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	853.7		mg/Kg		85	70 - 130	3	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	72		70 - 130
o-Terphenyl	68	S1-	70 - 130

Lab Sample ID: 880-10781-A-22-E MS

Matrix: Solid

Analysis Batch: 18806

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 18779

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	865.2		mg/Kg		87	70 - 130		
Diesel Range Organics (Over C10-C28)	52.3		1000	817.4		mg/Kg		77	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	71		70 - 130
o-Terphenyl	64	S1-	70 - 130

Lab Sample ID: 880-10781-A-22-F MSD

Matrix: Solid

Analysis Batch: 18806

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 18779

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	868.9		mg/Kg		87	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	52.3		998	821.6		mg/Kg		77	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	71		70 - 130
o-Terphenyl	64	S1-	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-10990-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-18835/1-A

Matrix: Solid

Analysis Batch: 19077

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			02/11/22 05:51	1

Lab Sample ID: LCS 880-18835/2-A

Matrix: Solid

Analysis Batch: 19077

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	261.5		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-18835/3-A

Matrix: Solid

Analysis Batch: 19077

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	257.8		mg/Kg		103	90 - 110	1	20

Lab Sample ID: 880-10990-1 MS

Matrix: Solid

Analysis Batch: 19077

Client Sample ID: S-1 (0-6")

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	3870		2520	6534		mg/Kg		106	90 - 110

Lab Sample ID: 880-10990-1 MSD

Matrix: Solid

Analysis Batch: 19077

Client Sample ID: S-1 (0-6")

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	3870		2520	6476		mg/Kg		103	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-10990-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 18817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10990-1	S-1 (0-6")	Total/NA	Solid	5035	
880-10990-2	S-1 (6-12")	Total/NA	Solid	5035	
880-10990-3	S-2 (0-6")	Total/NA	Solid	5035	
880-10990-4	S-2 (6-12")	Total/NA	Solid	5035	
MB 880-18817/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-18817/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-18817/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-10991-A-1-F MS	Matrix Spike	Total/NA	Solid	5035	
880-10991-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 18880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10990-1	S-1 (0-6")	Total/NA	Solid	8021B	18817
880-10990-2	S-1 (6-12")	Total/NA	Solid	8021B	18817
880-10990-3	S-2 (0-6")	Total/NA	Solid	8021B	18817
880-10990-4	S-2 (6-12")	Total/NA	Solid	8021B	18817
MB 880-18817/5-A	Method Blank	Total/NA	Solid	8021B	18817
LCS 880-18817/1-A	Lab Control Sample	Total/NA	Solid	8021B	18817
LCSD 880-18817/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	18817
880-10991-A-1-F MS	Matrix Spike	Total/NA	Solid	8021B	18817
880-10991-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	18817

Analysis Batch: 19019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10990-1	S-1 (0-6")	Total/NA	Solid	Total BTEX	
880-10990-2	S-1 (6-12")	Total/NA	Solid	Total BTEX	
880-10990-3	S-2 (0-6")	Total/NA	Solid	Total BTEX	
880-10990-4	S-2 (6-12")	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 18779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10990-1	S-1 (0-6")	Total/NA	Solid	8015NM Prep	
880-10990-2	S-1 (6-12")	Total/NA	Solid	8015NM Prep	
880-10990-3	S-2 (0-6")	Total/NA	Solid	8015NM Prep	
880-10990-4	S-2 (6-12")	Total/NA	Solid	8015NM Prep	
MB 880-18779/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-18779/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-18779/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-10781-A-22-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-10781-A-22-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 18806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10990-1	S-1 (0-6")	Total/NA	Solid	8015B NM	18779
880-10990-2	S-1 (6-12")	Total/NA	Solid	8015B NM	18779
880-10990-3	S-2 (0-6")	Total/NA	Solid	8015B NM	18779
880-10990-4	S-2 (6-12")	Total/NA	Solid	8015B NM	18779
MB 880-18779/1-A	Method Blank	Total/NA	Solid	8015B NM	18779
LCS 880-18779/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	18779

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-10990-1
 SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 18806 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-18779/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	18779
880-10781-A-22-E MS	Matrix Spike	Total/NA	Solid	8015B NM	18779
880-10781-A-22-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	18779

Analysis Batch: 19008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10990-1	S-1 (0-6")	Total/NA	Solid	8015 NM	
880-10990-2	S-1 (6-12")	Total/NA	Solid	8015 NM	
880-10990-3	S-2 (0-6")	Total/NA	Solid	8015 NM	
880-10990-4	S-2 (6-12")	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 18835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10990-1	S-1 (0-6")	Soluble	Solid	DI Leach	
880-10990-2	S-1 (6-12")	Soluble	Solid	DI Leach	
880-10990-3	S-2 (0-6")	Soluble	Solid	DI Leach	
880-10990-4	S-2 (6-12")	Soluble	Solid	DI Leach	
MB 880-18835/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-18835/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-18835/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-10990-1 MS	S-1 (0-6")	Soluble	Solid	DI Leach	
880-10990-1 MSD	S-1 (0-6")	Soluble	Solid	DI Leach	

Analysis Batch: 19077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10990-1	S-1 (0-6")	Soluble	Solid	300.0	18835
880-10990-2	S-1 (6-12")	Soluble	Solid	300.0	18835
880-10990-3	S-2 (0-6")	Soluble	Solid	300.0	18835
880-10990-4	S-2 (6-12")	Soluble	Solid	300.0	18835
MB 880-18835/1-A	Method Blank	Soluble	Solid	300.0	18835
LCS 880-18835/2-A	Lab Control Sample	Soluble	Solid	300.0	18835
LCSD 880-18835/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	18835
880-10990-1 MS	S-1 (0-6")	Soluble	Solid	300.0	18835
880-10990-1 MSD	S-1 (0-6")	Soluble	Solid	300.0	18835

Lab Chronicle

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-10990-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (0-6")

Lab Sample ID: 880-10990-1

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	18817	02/09/22 08:00	KL	XEN MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	18880	02/09/22 18:28	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19019	02/10/22 09:50	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19008	02/10/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18779	02/08/22 11:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18806	02/08/22 17:33	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	18835	02/08/22 14:20	SC	XEN MID
Soluble	Analysis	300.0		10			19077	02/11/22 06:18	SC	XEN MID

Client Sample ID: S-1 (6-12")

Lab Sample ID: 880-10990-2

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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	18817	02/09/22 08:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18880	02/09/22 18:48	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19019	02/10/22 09:50	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19008	02/10/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	18779	02/08/22 11:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18806	02/08/22 17:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	18835	02/08/22 14:20	SC	XEN MID
Soluble	Analysis	300.0		10			19077	02/11/22 06:44	SC	XEN MID

Client Sample ID: S-2 (0-6")

Lab Sample ID: 880-10990-3

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	18817	02/09/22 08:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18880	02/09/22 19:09	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19019	02/10/22 09:50	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19008	02/10/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18779	02/08/22 11:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18806	02/08/22 18:15	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	18835	02/08/22 14:20	SC	XEN MID
Soluble	Analysis	300.0		10			19077	02/11/22 06:53	SC	XEN MID

Client Sample ID: S-2 (6-12")

Lab Sample ID: 880-10990-4

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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	18817	02/09/22 08:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18880	02/09/22 19:29	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19019	02/10/22 09:50	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-10990-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (6-12")
Date Collected: 02/07/22 00:00
Date Received: 02/08/22 10:17

Lab Sample ID: 880-10990-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			19008	02/10/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	18779	02/08/22 11:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18806	02/08/22 18:35	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	18835	02/08/22 14:20	SC	XEN MID
Soluble	Analysis	300.0		10			19077	02/11/22 07:02	SC	XEN MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-10990-1
SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

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

Method Summary

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-10990-1
SDG: Eddy Co, NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-10990-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-10990-1	S-1 (0-6")	Solid	02/07/22 00:00	02/08/22 10:17
880-10990-2	S-1 (6-12")	Solid	02/07/22 00:00	02/08/22 10:17
880-10990-3	S-2 (0-6")	Solid	02/07/22 00:00	02/08/22 10:17
880-10990-4	S-2 (6-12")	Solid	02/07/22 00:00	02/08/22 10:17

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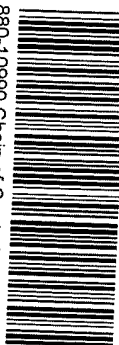
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Project Manager	Conner Moehring	Bill to (if different)	Jacquie Harris
Company Name	Carmona Resources	Company Name	COG
Address	310 W Wall St Ste 415	Address	15 W London Rd
City, State ZIP	Midland, TX 79701	City, State ZIP	Loving NM 88256
Phone	432-813-6823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

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



880-10990 Chain of Custody

Page 1 of 1

Project Name	Gehrig Fed 5H (01 25 22)	Turn Around	☐ Routine ☒ Rush	Pres. Code		ANALYSIS REQUEST												Preservative Codes			
Project Number	1007																	None NO DI Water H ₂ O			
Project Location	Eddy Co. NM	Due Date	72 Hrs															Cool Cool MeOH Me			
Sampler's Name	CRM	TAT starts the day received by the lab if received by 4:30pm																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	10															NaHSO ₄ NABIS			
Cooler Custody Seals	Yes ☒ No ☐	Correction Factor	1.0															Na ₂ S ₂ O ₃ NaSO ₃			
Sample Custody Seals	Yes ☒ No ☐	Temperature Reading	3.2															Zn Acetate+NaOH Zn			
Total Containers	3	Corrected Temperature																NaOH+Ascorbic Acid SAPC			
Sample Identification		Date	Time	Soil	Water	Grab Comp	# of Cont													Sample Comments	
S-1 (0-6")	2/7/2022		X			G	1	X	X	X											
S-1 (6-12")	2/7/2022		X			G	1	X	X	X											
S-2 (0-6")	2/7/2022		X			G	1	X	X	X											
S-2 (6-12")	2/7/2022		X			G	1	X	X	X											

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
<i>Conner Moehring</i>	<i>Jacquie Harris</i>	2/8/22 10:17			

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-10990-1

SDG Number: Eddy Co, NM

Login Number: 10990

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-10991-1

Laboratory Sample Delivery Group: Eddy Co, NM
Client Project/Site: Gehrig fed 5H (01.25.22)

For:

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

Attn: Conner Moehring

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
2/14/2022 3:59:19 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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

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

Client: Carmona Resources
Project/Site: Gehrig fed 5H (01.25.22)

Laboratory Job ID: 880-10991-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Gehrig fed 5H (01.25.22)

Job ID: 880-10991-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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/Site: Gehrig fed 5H (01.25.22)

Job ID: 880-10991-1
SDG: Eddy Co, NM

Job ID: 880-10991-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-10991-1

Receipt

The samples were received on 2/8/2022 10:17 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.3°C

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Client Sample Results

Client: Carmona Resources
Project/Site: Gehrig fed 5H (01.25.22)

Job ID: 880-10991-1
SDG: Eddy Co, NM

Client Sample ID: H-1 (0-6")

Lab Sample ID: 880-10991-1

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/09/22 08:00	02/09/22 10:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/09/22 08:00	02/09/22 10:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/09/22 08:00	02/09/22 10:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/09/22 08:00	02/09/22 10:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/09/22 08:00	02/09/22 10:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/09/22 08:00	02/09/22 10:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	02/09/22 08:00	02/09/22 10:56	1
1,4-Difluorobenzene (Surr)	109		70 - 130	02/09/22 08:00	02/09/22 10:56	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/10/22 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/10/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/08/22 11:06	02/08/22 20:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/08/22 11:06	02/08/22 20:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/08/22 11:06	02/08/22 20:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130	02/08/22 11:06	02/08/22 20:48	1
o-Terphenyl	78		70 - 130	02/08/22 11:06	02/08/22 20:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.6		4.99		mg/Kg			02/11/22 18:10	1

Client Sample ID: H-2 (0-6")

Lab Sample ID: 880-10991-2

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/09/22 08:00	02/09/22 11:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/22 08:00	02/09/22 11:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/09/22 08:00	02/09/22 11:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/09/22 08:00	02/09/22 11:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/09/22 08:00	02/09/22 11:16	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/09/22 08:00	02/09/22 11:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	02/09/22 08:00	02/09/22 11:16	1
1,4-Difluorobenzene (Surr)	98		70 - 130	02/09/22 08:00	02/09/22 11:16	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gehrig fed 5H (01.25.22)

Job ID: 880-10991-1
SDG: Eddy Co, NM

Client Sample ID: H-2 (0-6")

Lab Sample ID: 880-10991-2

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/10/22 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/10/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/08/22 11:06	02/08/22 21:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/08/22 11:06	02/08/22 21:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/08/22 11:06	02/08/22 21:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				02/08/22 11:06	02/08/22 21:50	1
o-Terphenyl	91		70 - 130				02/08/22 11:06	02/08/22 21:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.5		5.01		mg/Kg			02/11/22 07:37	1

Client Sample ID: H-3 (0-6")

Lab Sample ID: 880-10991-3

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/09/22 08:00	02/09/22 11:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/22 08:00	02/09/22 11:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/09/22 08:00	02/09/22 11:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/09/22 08:00	02/09/22 11:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/09/22 08:00	02/09/22 11:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/09/22 08:00	02/09/22 11:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				02/09/22 08:00	02/09/22 11:37	1
1,4-Difluorobenzene (Surr)	104		70 - 130				02/09/22 08:00	02/09/22 11:37	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/10/22 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/10/22 09:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/08/22 11:06	02/08/22 22:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/08/22 11:06	02/08/22 22:11	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gehrig fed 5H (01.25.22)

Job ID: 880-10991-1
SDG: Eddy Co, NM

Client Sample ID: H-3 (0-6")

Lab Sample ID: 880-10991-3

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg	-	02/08/22 11:06	02/08/22 22:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130	02/08/22 11:06	02/08/22 22:11	1
o-Terphenyl	83		70 - 130	02/08/22 11:06	02/08/22 22:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	76.7		4.97		mg/Kg	-		02/11/22 18:19	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Gehrig fed 5H (01.25.22)

Job ID: 880-10991-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-10991-1	H-1 (0-6")	107	109
880-10991-1 MS	H-1 (0-6")	97	94
880-10991-1 MSD	H-1 (0-6")	99	101
880-10991-2	H-2 (0-6")	108	98
880-10991-3	H-3 (0-6")	107	104
LCS 880-18817/1-A	Lab Control Sample	99	108
LCSD 880-18817/2-A	Lab Control Sample Dup	92	104
MB 880-18817/5-A	Method Blank	97	99
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-10991-1	H-1 (0-6")	77	78
880-10991-1 MS	H-1 (0-6")	83	88
880-10991-1 MSD	H-1 (0-6")	83	92
880-10991-2	H-2 (0-6")	85	91
880-10991-3	H-3 (0-6")	77	83
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO2 (70-130)	OTPH2 (70-130)
LCS 880-18812/2-A	Lab Control Sample	91	106
LCSD 880-18812/3-A	Lab Control Sample Dup	98	102
MB 880-18812/1-A	Method Blank	103	119
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Gehrig fed 5H (01.25.22)

Job ID: 880-10991-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-18817/5-A

Matrix: Solid

Analysis Batch: 18880

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 18817

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/09/22 08:00	02/09/22 10:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/22 08:00	02/09/22 10:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/09/22 08:00	02/09/22 10:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/09/22 08:00	02/09/22 10:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/09/22 08:00	02/09/22 10:34	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/09/22 08:00	02/09/22 10:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	02/09/22 08:00	02/09/22 10:34	1
1,4-Difluorobenzene (Surr)	99		70 - 130	02/09/22 08:00	02/09/22 10:34	1

Lab Sample ID: LCS 880-18817/1-A

Matrix: Solid

Analysis Batch: 18880

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 18817

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09932		mg/Kg		99	70 - 130
Toluene	0.100	0.09427		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.1041		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	0.200	0.1935		mg/Kg		97	70 - 130
o-Xylene	0.100	0.1004		mg/Kg		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: LCSD 880-18817/2-A

Matrix: Solid

Analysis Batch: 18880

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 18817

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.09160		mg/Kg		92	70 - 130	8	35
Toluene	0.100	0.08864		mg/Kg		89	70 - 130	6	35
Ethylbenzene	0.100	0.09563		mg/Kg		96	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1828		mg/Kg		91	70 - 130	6	35
o-Xylene	0.100	0.09275		mg/Kg		93	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-10991-1 MS

Matrix: Solid

Analysis Batch: 18880

Client Sample ID: H-1 (0-6")

Prep Type: Total/NA

Prep Batch: 18817

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U	0.101	0.09593		mg/Kg		95	70 - 130
Toluene	<0.00199	U	0.101	0.09474		mg/Kg		94	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Gehrig fed 5H (01.25.22)

Job ID: 880-10991-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-10991-1 MS

Matrix: Solid

Analysis Batch: 18880

Client Sample ID: H-1 (0-6")

Prep Type: Total/NA

Prep Batch: 18817

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00199	U	0.101	0.09881		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1857		mg/Kg		92	70 - 130
o-Xylene	<0.00199	U	0.101	0.09491		mg/Kg		94	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-10991-1 MSD

Matrix: Solid

Analysis Batch: 18880

Client Sample ID: H-1 (0-6")

Prep Type: Total/NA

Prep Batch: 18817

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.00199	U	0.0996	0.08727		mg/Kg		87	70 - 130	9	35
Toluene	<0.00199	U	0.0996	0.08557		mg/Kg		85	70 - 130	10	35
Ethylbenzene	<0.00199	U	0.0996	0.08563		mg/Kg		86	70 - 130	14	35
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1658		mg/Kg		83	70 - 130	11	35
o-Xylene	<0.00199	U	0.0996	0.08387		mg/Kg		84	70 - 130	12	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

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

Lab Sample ID: MB 880-18812/1-A

Matrix: Solid

Analysis Batch: 18805

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 18812

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		02/08/22 11:06	02/08/22 19:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/08/22 11:06	02/08/22 19:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/08/22 11:06	02/08/22 19:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	02/08/22 11:06	02/08/22 19:47	1
o-Terphenyl	119		70 - 130	02/08/22 11:06	02/08/22 19:47	1

Lab Sample ID: LCS 880-18812/2-A

Matrix: Solid

Analysis Batch: 18805

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 18812

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	768.6		mg/Kg		77	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1110		mg/Kg		111	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Gehrig fed 5H (01.25.22)

Job ID: 880-10991-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-18812/2-A

Matrix: Solid

Analysis Batch: 18805

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 18812

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	106		70 - 130

Lab Sample ID: LCSD 880-18812/3-A

Matrix: Solid

Analysis Batch: 18805

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 18812

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	784.7		mg/Kg		78	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1097		mg/Kg		110	70 - 130	1	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	102		70 - 130

Lab Sample ID: 880-10991-1 MS

Matrix: Solid

Analysis Batch: 18805

Client Sample ID: H-1 (0-6")

Prep Type: Total/NA

Prep Batch: 18812

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1093		mg/Kg		107	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1125		mg/Kg		113	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	83		70 - 130
o-Terphenyl	88		70 - 130

Lab Sample ID: 880-10991-1 MSD

Matrix: Solid

Analysis Batch: 18805

Client Sample ID: H-1 (0-6")

Prep Type: Total/NA

Prep Batch: 18812

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	989.9		mg/Kg		97	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1159		mg/Kg		116	70 - 130	3	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	83		70 - 130
o-Terphenyl	92		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Gehrig fed 5H (01.25.22)

Job ID: 880-10991-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-18835/1-A

Matrix: Solid

Analysis Batch: 19077

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			02/11/22 05:51	1

Lab Sample ID: LCS 880-18835/2-A

Matrix: Solid

Analysis Batch: 19077

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	261.5		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-18835/3-A

Matrix: Solid

Analysis Batch: 19077

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	257.8		mg/Kg		103	90 - 110	1	20

Lab Sample ID: 880-10992-A-4-D MS

Matrix: Solid

Analysis Batch: 19077

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	16.1		251	283.1		mg/Kg		107	90 - 110

Lab Sample ID: 880-10992-A-4-E MSD

Matrix: Solid

Analysis Batch: 19077

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	16.1		251	279.3		mg/Kg		105	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Gehrig fed 5H (01.25.22)

Job ID: 880-10991-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 18817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10991-1	H-1 (0-6")	Total/NA	Solid	5035	
880-10991-2	H-2 (0-6")	Total/NA	Solid	5035	
880-10991-3	H-3 (0-6")	Total/NA	Solid	5035	
MB 880-18817/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-18817/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-18817/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-10991-1 MS	H-1 (0-6")	Total/NA	Solid	5035	
880-10991-1 MSD	H-1 (0-6")	Total/NA	Solid	5035	

Analysis Batch: 18880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10991-1	H-1 (0-6")	Total/NA	Solid	8021B	18817
880-10991-2	H-2 (0-6")	Total/NA	Solid	8021B	18817
880-10991-3	H-3 (0-6")	Total/NA	Solid	8021B	18817
MB 880-18817/5-A	Method Blank	Total/NA	Solid	8021B	18817
LCS 880-18817/1-A	Lab Control Sample	Total/NA	Solid	8021B	18817
LCSD 880-18817/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	18817
880-10991-1 MS	H-1 (0-6")	Total/NA	Solid	8021B	18817
880-10991-1 MSD	H-1 (0-6")	Total/NA	Solid	8021B	18817

Analysis Batch: 19015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10991-1	H-1 (0-6")	Total/NA	Solid	Total BTEX	
880-10991-2	H-2 (0-6")	Total/NA	Solid	Total BTEX	
880-10991-3	H-3 (0-6")	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 18805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10991-1	H-1 (0-6")	Total/NA	Solid	8015B NM	18812
880-10991-2	H-2 (0-6")	Total/NA	Solid	8015B NM	18812
880-10991-3	H-3 (0-6")	Total/NA	Solid	8015B NM	18812
MB 880-18812/1-A	Method Blank	Total/NA	Solid	8015B NM	18812
LCS 880-18812/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	18812
LCSD 880-18812/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	18812
880-10991-1 MS	H-1 (0-6")	Total/NA	Solid	8015B NM	18812
880-10991-1 MSD	H-1 (0-6")	Total/NA	Solid	8015B NM	18812

Prep Batch: 18812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10991-1	H-1 (0-6")	Total/NA	Solid	8015NM Prep	
880-10991-2	H-2 (0-6")	Total/NA	Solid	8015NM Prep	
880-10991-3	H-3 (0-6")	Total/NA	Solid	8015NM Prep	
MB 880-18812/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-18812/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-18812/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-10991-1 MS	H-1 (0-6")	Total/NA	Solid	8015NM Prep	
880-10991-1 MSD	H-1 (0-6")	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Gehrig fed 5H (01.25.22)

Job ID: 880-10991-1
SDG: Eddy Co, NM

GC Semi VOA

Analysis Batch: 19008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10991-1	H-1 (0-6")	Total/NA	Solid	8015 NM	
880-10991-2	H-2 (0-6")	Total/NA	Solid	8015 NM	
880-10991-3	H-3 (0-6")	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 18835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10991-1	H-1 (0-6")	Soluble	Solid	DI Leach	
880-10991-2	H-2 (0-6")	Soluble	Solid	DI Leach	
880-10991-3	H-3 (0-6")	Soluble	Solid	DI Leach	
MB 880-18835/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-18835/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-18835/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-10992-A-4-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-10992-A-4-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 19077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-10991-1	H-1 (0-6")	Soluble	Solid	300.0	18835
880-10991-2	H-2 (0-6")	Soluble	Solid	300.0	18835
880-10991-3	H-3 (0-6")	Soluble	Solid	300.0	18835
MB 880-18835/1-A	Method Blank	Soluble	Solid	300.0	18835
LCS 880-18835/2-A	Lab Control Sample	Soluble	Solid	300.0	18835
LCSD 880-18835/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	18835
880-10992-A-4-D MS	Matrix Spike	Soluble	Solid	300.0	18835
880-10992-A-4-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	18835

Lab Chronicle

Client: Carmona Resources
Project/Site: Gehrig fed 5H (01.25.22)

Job ID: 880-10991-1
SDG: Eddy Co, NM

Client Sample ID: H-1 (0-6")

Lab Sample ID: 880-10991-1

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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	18817	02/09/22 08:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18880	02/09/22 10:56	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19015	02/10/22 09:50	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19008	02/10/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18812	02/08/22 11:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18805	02/08/22 20:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	18835	02/08/22 14:20	SC	XEN MID
Soluble	Analysis	300.0		1			19077	02/11/22 18:10	SC	XEN MID

Client Sample ID: H-2 (0-6")

Lab Sample ID: 880-10991-2

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	18817	02/09/22 08:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18880	02/09/22 11:16	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19015	02/10/22 09:50	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19008	02/10/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	18812	02/08/22 11:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18805	02/08/22 21:50	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	18835	02/08/22 14:20	SC	XEN MID
Soluble	Analysis	300.0		1			19077	02/11/22 07:37	SC	XEN MID

Client Sample ID: H-3 (0-6")

Lab Sample ID: 880-10991-3

Date Collected: 02/07/22 00:00

Matrix: Solid

Date Received: 02/08/22 10:17

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	18817	02/09/22 08:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18880	02/09/22 11:37	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19015	02/10/22 09:50	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19008	02/10/22 09:32	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18812	02/08/22 11:06	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18805	02/08/22 22:11	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	18835	02/08/22 14:20	SC	XEN MID
Soluble	Analysis	300.0		1			19077	02/11/22 18:19	SC	XEN MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Gehrig fed 5H (01.25.22)

Job ID: 880-10991-1
SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

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

Eurofins Midland

Method Summary

Client: Carmona Resources
Project/Site: Gehrig fed 5H (01.25.22)

Job ID: 880-10991-1
SDG: Eddy Co, NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: Carmona Resources
Project/Site: Gehrig fed 5H (01.25.22)

Job ID: 880-10991-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-10991-1	H-1 (0-6")	Solid	02/07/22 00:00	02/08/22 10:17
880-10991-2	H-2 (0-6")	Solid	02/07/22 00:00	02/08/22 10:17
880-10991-3	H-3 (0-6")	Solid	02/07/22 00:00	02/08/22 10:17

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- 12
- 13
- 14

Project Manager	Conner Moehring	Bill to (if different)	Jacqui Harris
Company Name	Carmona Resources	Company Name	COG
Address	314 W. Wall St Ste 415	Address	15 W London Rd
City, State ZIP	Midland, TX 79701	City, State ZIP	Loving NM 88256
Phone	432-813-6823	Email	jacquiharris@comocophilips.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ brownfields ☐ RRC ☐ superfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐	
Deliverables EDD ☐ ADAPT ☐ Other: _____	

[illegible]

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenoco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenoco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenoco. A minimum charge of \$65.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenoco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1 <i>Gunn Myrdal</i>	<i>[Signature]</i>	2/8/22 10:17	2		
3			4		
5			6		

880-10991 Chain of Custody



Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-10991-1

SDG Number: Eddy Co, NM

Login Number: 10991**List Number: 1****Creator: Rodriguez, Leticia****List Source: Eurofins Midland**

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



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-11475-1

Laboratory Sample Delivery Group: Eddy Co, NM
Client Project/Site: Gehrig Fed 5H (01.25.22)

For:

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

Attn: Conner Moehring

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
2/24/2022 8:52:36 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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

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

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Laboratory Job ID: 880-11475-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11475-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11475-1
SDG: Eddy Co, NM

Job ID: 880-11475-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-11475-1

Receipt

The samples were received on 2/21/2022 8:28 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.6°C

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: Trench 1 (2') (880-11475-2) and Trench 1 (2.5') (880-11475-3). 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: Trench 2 (1.5') (880-11475-4) and Trench 2 (2') (880-11475-5). 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 samples were outside control limits: Trench 1 (2') (880-11475-2), Trench 1 (2.5') (880-11475-3) and (880-11475-A-1-C MS). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Client Sample Results

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11475-1
SDG: Eddy Co, NM

Client Sample ID: Trench 1 (1.5')

Lab Sample ID: 880-11475-1

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/22/22 08:49	02/22/22 18:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/22/22 08:49	02/22/22 18:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/22/22 08:49	02/22/22 18:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/22/22 08:49	02/22/22 18:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/22/22 08:49	02/22/22 18:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/22/22 08:49	02/22/22 18:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	209	S1+	70 - 130	02/22/22 08:49	02/22/22 18:43	1
1,4-Difluorobenzene (Surr)	64	S1-	70 - 130	02/22/22 08:49	02/22/22 18:43	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/22/22 16:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/22/22 20:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	50.0		mg/Kg		02/21/22 09:46	02/22/22 10:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1	50.0		mg/Kg		02/21/22 09:46	02/22/22 10:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/21/22 09:46	02/22/22 10:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130	02/21/22 09:46	02/22/22 10:26	1
o-Terphenyl	76		70 - 130	02/21/22 09:46	02/22/22 10:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	407		4.99		mg/Kg			02/22/22 18:50	1

Client Sample ID: Trench 1 (2')

Lab Sample ID: 880-11475-2

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/22/22 08:49	02/22/22 15:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/22/22 08:49	02/22/22 15:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/22/22 08:49	02/22/22 15:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/22/22 08:49	02/22/22 15:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/22/22 08:49	02/22/22 15:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/22/22 08:49	02/22/22 15:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	179	S1+	70 - 130	02/22/22 08:49	02/22/22 15:11	1
1,4-Difluorobenzene (Surr)	77		70 - 130	02/22/22 08:49	02/22/22 15:11	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11475-1
SDG: Eddy Co, NM

Client Sample ID: Trench 1 (2')

Lab Sample ID: 880-11475-2

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/22/22 16:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	55.8		50.0		mg/Kg			02/22/22 20:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/21/22 09:46	02/22/22 11:29	1
Diesel Range Organics (Over C10-C28)	55.8		50.0		mg/Kg		02/21/22 09:46	02/22/22 11:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/21/22 09:46	02/22/22 11:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130				02/21/22 09:46	02/22/22 11:29	1
o-Terphenyl	70		70 - 130				02/21/22 09:46	02/22/22 11:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.5		4.98		mg/Kg			02/22/22 18:59	1

Client Sample ID: Trench 1 (2.5')

Lab Sample ID: 880-11475-3

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/22/22 08:49	02/22/22 15:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/22/22 08:49	02/22/22 15:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/22/22 08:49	02/22/22 15:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/22/22 08:49	02/22/22 15:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/22/22 08:49	02/22/22 15:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/22/22 08:49	02/22/22 15:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	185	S1+	70 - 130				02/22/22 08:49	02/22/22 15:37	1
1,4-Difluorobenzene (Surr)	93		70 - 130				02/22/22 08:49	02/22/22 15:37	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/22/22 16:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/22/22 20:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/21/22 09:46	02/22/22 11:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/21/22 09:46	02/22/22 11:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11475-1
SDG: Eddy Co, NM

Client Sample ID: Trench 1 (2.5')

Lab Sample ID: 880-11475-3

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Method: 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		02/21/22 09:46	02/22/22 11:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130				02/21/22 09:46	02/22/22 11:50	1
o-Terphenyl	67	S1-	70 - 130				02/21/22 09:46	02/22/22 11:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.89		4.95		mg/Kg			02/21/22 20:50	1

Client Sample ID: Trench 2 (1.5')

Lab Sample ID: 880-11475-4

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/22/22 08:49	02/22/22 16:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/22/22 08:49	02/22/22 16:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/22/22 08:49	02/22/22 16:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/22/22 08:49	02/22/22 16:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/22/22 08:49	02/22/22 16:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/22/22 08:49	02/22/22 16:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	192	S1+	70 - 130				02/22/22 08:49	02/22/22 16:04	1
1,4-Difluorobenzene (Surr)	80		70 - 130				02/22/22 08:49	02/22/22 16:04	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/22/22 16:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/22/22 20:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/21/22 09:46	02/22/22 12:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/21/22 09:46	02/22/22 12:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/21/22 09:46	02/22/22 12:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				02/21/22 09:46	02/22/22 12:10	1
o-Terphenyl	75		70 - 130				02/21/22 09:46	02/22/22 12:10	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	370		5.05		mg/Kg			02/22/22 19:08	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11475-1
SDG: Eddy Co, NM

Client Sample ID: Trench 2 (2')

Lab Sample ID: 880-11475-5

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/22/22 08:49	02/22/22 16:30	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/22/22 08:49	02/22/22 16:30	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/22/22 08:49	02/22/22 16:30	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		02/22/22 08:49	02/22/22 16:30	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/22/22 08:49	02/22/22 16:30	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		02/22/22 08:49	02/22/22 16:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	185	S1+	70 - 130	02/22/22 08:49	02/22/22 16:30	1
1,4-Difluorobenzene (Surr)	88		70 - 130	02/22/22 08:49	02/22/22 16:30	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			02/22/22 16:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	72.4		50.0		mg/Kg			02/22/22 20:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/21/22 09:46	02/22/22 12:31	1
Diesel Range Organics (Over C10-C28)	72.4		50.0		mg/Kg		02/21/22 09:46	02/22/22 12:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/21/22 09:46	02/22/22 12:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130	02/21/22 09:46	02/22/22 12:31	1
o-Terphenyl	72		70 - 130	02/21/22 09:46	02/22/22 12:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.5		5.00		mg/Kg			02/22/22 19:17	1

Client Sample ID: Trench 2 (2.5')

Lab Sample ID: 880-11475-6

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/22/22 08:49	02/22/22 19:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/22/22 08:49	02/22/22 19:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/22/22 08:49	02/22/22 19:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/22/22 08:49	02/22/22 19:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/22/22 08:49	02/22/22 19:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/22/22 08:49	02/22/22 19:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	185	S1+	70 - 130	02/22/22 08:49	02/22/22 19:10	1
1,4-Difluorobenzene (Surr)	59	S1-	70 - 130	02/22/22 08:49	02/22/22 19:10	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11475-1
SDG: Eddy Co, NM

Client Sample ID: Trench 2 (2.5')

Lab Sample ID: 880-11475-6

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/22/22 16:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/22/22 20:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/21/22 09:46	02/22/22 12:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/21/22 09:46	02/22/22 12:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/21/22 09:46	02/22/22 12:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				02/21/22 09:46	02/22/22 12:52	1
o-Terphenyl	73		70 - 130				02/21/22 09:46	02/22/22 12:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.89		4.98		mg/Kg			02/21/22 21:17	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11475-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-11475-1	Trench 1 (1.5')	209 S1+	64 S1-
880-11475-2	Trench 1 (2')	179 S1+	77
880-11475-3	Trench 1 (2.5')	185 S1+	93
880-11475-4	Trench 2 (1.5')	192 S1+	80
880-11475-5	Trench 2 (2')	185 S1+	88
880-11475-6	Trench 2 (2.5')	185 S1+	59 S1-
890-1969-A-5-G MS	Matrix Spike	158 S1+	78
890-1969-A-5-H MSD	Matrix Spike Duplicate	179 S1+	79
LCS 880-20024/1-A	Lab Control Sample	165 S1+	74
LCSD 880-20024/2-A	Lab Control Sample Dup	148 S1+	74
MB 880-20024/5-A	Method Blank	120	73
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-11475-1	Trench 1 (1.5')	74	76
880-11475-1 MS	Trench 1 (1.5')	67 S1-	72
880-11475-1 MSD	Trench 1 (1.5')	78	74
880-11475-2	Trench 1 (2')	69 S1-	70
880-11475-3	Trench 1 (2.5')	69 S1-	67 S1-
880-11475-4	Trench 2 (1.5')	74	75
880-11475-5	Trench 2 (2')	76	72
880-11475-6	Trench 2 (2.5')	74	73
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO2 (70-130)	OTPH2 (70-130)
LCS 880-19904/2-A	Lab Control Sample	92	103
LCSD 880-19904/3-A	Lab Control Sample Dup	104	122
MB 880-19904/1-A	Method Blank	95	101
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11475-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-20024/5-A

Matrix: Solid

Analysis Batch: 20021

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20024

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/22/22 08:49	02/22/22 12:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/22/22 08:49	02/22/22 12:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/22/22 08:49	02/22/22 12:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/22/22 08:49	02/22/22 12:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/22/22 08:49	02/22/22 12:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/22/22 08:49	02/22/22 12:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	02/22/22 08:49	02/22/22 12:32	1
1,4-Difluorobenzene (Surr)	73		70 - 130	02/22/22 08:49	02/22/22 12:32	1

Lab Sample ID: LCS 880-20024/1-A

Matrix: Solid

Analysis Batch: 20021

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20024

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1126		mg/Kg		113	70 - 130
Toluene	0.100	0.1159		mg/Kg		116	70 - 130
Ethylbenzene	0.100	0.1120		mg/Kg		112	70 - 130
m-Xylene & p-Xylene	0.200	0.2331		mg/Kg		117	70 - 130
o-Xylene	0.100	0.1227		mg/Kg		123	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	165	S1+	70 - 130
1,4-Difluorobenzene (Surr)	74		70 - 130

Lab Sample ID: LCSD 880-20024/2-A

Matrix: Solid

Analysis Batch: 20021

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20024

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1123		mg/Kg		112	70 - 130	0	35
Toluene	0.100	0.1158		mg/Kg		116	70 - 130	0	35
Ethylbenzene	0.100	0.1123		mg/Kg		112	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.2323		mg/Kg		116	70 - 130	0	35
o-Xylene	0.100	0.1239		mg/Kg		124	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130
1,4-Difluorobenzene (Surr)	74		70 - 130

Lab Sample ID: 890-1969-A-5-G MS

Matrix: Solid

Analysis Batch: 20021

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20024

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U	0.100	0.09437		mg/Kg		94	70 - 130
Toluene	<0.00199	U	0.100	0.1061		mg/Kg		106	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11475-1
SDG: Eddy Co, NM

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

Lab Sample ID: 890-1969-A-5-G MS

Matrix: Solid

Analysis Batch: 20021

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20024

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00199	U	0.100	0.09841		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2196		mg/Kg		110	70 - 130
o-Xylene	<0.00199	U	0.100	0.1084		mg/Kg		108	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	158	S1+	70 - 130
1,4-Difluorobenzene (Surr)	78		70 - 130

Lab Sample ID: 890-1969-A-5-H MSD

Matrix: Solid

Analysis Batch: 20021

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20024

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.00199	U	0.0998	0.1076		mg/Kg		108	70 - 130	13	35
Toluene	<0.00199	U	0.0998	0.1131		mg/Kg		113	70 - 130	6	35
Ethylbenzene	<0.00199	U	0.0998	0.1137		mg/Kg		114	70 - 130	14	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2349		mg/Kg		118	70 - 130	7	35
o-Xylene	<0.00199	U	0.0998	0.1194		mg/Kg		120	70 - 130	10	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	179	S1+	70 - 130
1,4-Difluorobenzene (Surr)	79		70 - 130

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

Lab Sample ID: MB 880-19904/1-A

Matrix: Solid

Analysis Batch: 20020

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19904

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		02/21/22 09:46	02/22/22 09:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/21/22 09:46	02/22/22 09:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/21/22 09:46	02/22/22 09:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	02/21/22 09:46	02/22/22 09:24	1
o-Terphenyl	101		70 - 130	02/21/22 09:46	02/22/22 09:24	1

Lab Sample ID: LCS 880-19904/2-A

Matrix: Solid

Analysis Batch: 20020

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 19904

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	864.8		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	1000	858.9		mg/Kg		86	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11475-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-19904/2-A

Matrix: Solid

Analysis Batch: 20020

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 19904

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: LCSD 880-19904/3-A

Matrix: Solid

Analysis Batch: 20020

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 19904

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1009		mg/Kg		101	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	1000	988.0		mg/Kg		99	70 - 130	14	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	122		70 - 130

Lab Sample ID: 880-11475-1 MS

Matrix: Solid

Analysis Batch: 20020

Client Sample ID: Trench 1 (1.5')

Prep Type: Total/NA

Prep Batch: 19904

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	1000	946.0		mg/Kg		90	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	1181		mg/Kg		116	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	67	S1-	70 - 130
o-Terphenyl	72		70 - 130

Lab Sample ID: 880-11475-1 MSD

Matrix: Solid

Analysis Batch: 20020

Client Sample ID: Trench 1 (1.5')

Prep Type: Total/NA

Prep Batch: 19904

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	998	1229	F2	mg/Kg		119	70 - 130	26	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	998	1396	F1	mg/Kg		138	70 - 130	17	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	78		70 - 130
o-Terphenyl	74		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11475-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-19896/1-A

Matrix: Solid

Analysis Batch: 19935

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			02/21/22 16:03	1

Lab Sample ID: LCS 880-19896/2-A

Matrix: Solid

Analysis Batch: 19935

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	247.3		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-19896/3-A

Matrix: Solid

Analysis Batch: 19935

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	245.8		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 880-11474-A-1-F MS

Matrix: Solid

Analysis Batch: 19935

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	11.5		249	265.5		mg/Kg		102	90 - 110

Lab Sample ID: 880-11474-A-1-G MSD

Matrix: Solid

Analysis Batch: 19935

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	11.5		249	257.9		mg/Kg		99	90 - 110	3	20

Lab Sample ID: 880-11474-A-11-F MS

Matrix: Solid

Analysis Batch: 19935

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	7.00		253	260.8		mg/Kg		100	90 - 110

Lab Sample ID: 880-11474-A-11-G MSD

Matrix: Solid

Analysis Batch: 19935

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	7.00		253	252.1		mg/Kg		97	90 - 110	3	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11475-1
SDG: Eddy Co, NM

GC VOA

Analysis Batch: 20021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11475-1	Trench 1 (1.5')	Total/NA	Solid	8021B	20024
880-11475-2	Trench 1 (2')	Total/NA	Solid	8021B	20024
880-11475-3	Trench 1 (2.5')	Total/NA	Solid	8021B	20024
880-11475-4	Trench 2 (1.5')	Total/NA	Solid	8021B	20024
880-11475-5	Trench 2 (2')	Total/NA	Solid	8021B	20024
880-11475-6	Trench 2 (2.5')	Total/NA	Solid	8021B	20024
MB 880-20024/5-A	Method Blank	Total/NA	Solid	8021B	20024
LCS 880-20024/1-A	Lab Control Sample	Total/NA	Solid	8021B	20024
LCSD 880-20024/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	20024
890-1969-A-5-G MS	Matrix Spike	Total/NA	Solid	8021B	20024
890-1969-A-5-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	20024

Prep Batch: 20024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11475-1	Trench 1 (1.5')	Total/NA	Solid	5035	
880-11475-2	Trench 1 (2')	Total/NA	Solid	5035	
880-11475-3	Trench 1 (2.5')	Total/NA	Solid	5035	
880-11475-4	Trench 2 (1.5')	Total/NA	Solid	5035	
880-11475-5	Trench 2 (2')	Total/NA	Solid	5035	
880-11475-6	Trench 2 (2.5')	Total/NA	Solid	5035	
MB 880-20024/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-20024/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-20024/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1969-A-5-G MS	Matrix Spike	Total/NA	Solid	5035	
890-1969-A-5-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 20086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11475-1	Trench 1 (1.5')	Total/NA	Solid	Total BTEX	
880-11475-2	Trench 1 (2')	Total/NA	Solid	Total BTEX	
880-11475-3	Trench 1 (2.5')	Total/NA	Solid	Total BTEX	
880-11475-4	Trench 2 (1.5')	Total/NA	Solid	Total BTEX	
880-11475-5	Trench 2 (2')	Total/NA	Solid	Total BTEX	
880-11475-6	Trench 2 (2.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 19904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11475-1	Trench 1 (1.5')	Total/NA	Solid	8015NM Prep	
880-11475-2	Trench 1 (2')	Total/NA	Solid	8015NM Prep	
880-11475-3	Trench 1 (2.5')	Total/NA	Solid	8015NM Prep	
880-11475-4	Trench 2 (1.5')	Total/NA	Solid	8015NM Prep	
880-11475-5	Trench 2 (2')	Total/NA	Solid	8015NM Prep	
880-11475-6	Trench 2 (2.5')	Total/NA	Solid	8015NM Prep	
MB 880-19904/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-19904/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-19904/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-11475-1 MS	Trench 1 (1.5')	Total/NA	Solid	8015NM Prep	
880-11475-1 MSD	Trench 1 (1.5')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11475-1
SDG: Eddy Co, NM

GC Semi VOA

Analysis Batch: 20020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11475-1	Trench 1 (1.5')	Total/NA	Solid	8015B NM	19904
880-11475-2	Trench 1 (2')	Total/NA	Solid	8015B NM	19904
880-11475-3	Trench 1 (2.5')	Total/NA	Solid	8015B NM	19904
880-11475-4	Trench 2 (1.5')	Total/NA	Solid	8015B NM	19904
880-11475-5	Trench 2 (2')	Total/NA	Solid	8015B NM	19904
880-11475-6	Trench 2 (2.5')	Total/NA	Solid	8015B NM	19904
MB 880-19904/1-A	Method Blank	Total/NA	Solid	8015B NM	19904
LCS 880-19904/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	19904
LCSD 880-19904/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	19904
880-11475-1 MS	Trench 1 (1.5')	Total/NA	Solid	8015B NM	19904
880-11475-1 MSD	Trench 1 (1.5')	Total/NA	Solid	8015B NM	19904

Analysis Batch: 20110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11475-1	Trench 1 (1.5')	Total/NA	Solid	8015 NM	
880-11475-2	Trench 1 (2')	Total/NA	Solid	8015 NM	
880-11475-3	Trench 1 (2.5')	Total/NA	Solid	8015 NM	
880-11475-4	Trench 2 (1.5')	Total/NA	Solid	8015 NM	
880-11475-5	Trench 2 (2')	Total/NA	Solid	8015 NM	
880-11475-6	Trench 2 (2.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 19896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11475-1	Trench 1 (1.5')	Soluble	Solid	DI Leach	
880-11475-2	Trench 1 (2')	Soluble	Solid	DI Leach	
880-11475-3	Trench 1 (2.5')	Soluble	Solid	DI Leach	
880-11475-4	Trench 2 (1.5')	Soluble	Solid	DI Leach	
880-11475-5	Trench 2 (2')	Soluble	Solid	DI Leach	
880-11475-6	Trench 2 (2.5')	Soluble	Solid	DI Leach	
MB 880-19896/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-19896/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-19896/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-11474-A-1-F MS	Matrix Spike	Soluble	Solid	DI Leach	
880-11474-A-1-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-11474-A-11-F MS	Matrix Spike	Soluble	Solid	DI Leach	
880-11474-A-11-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 19935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11475-1	Trench 1 (1.5')	Soluble	Solid	300.0	19896
880-11475-2	Trench 1 (2')	Soluble	Solid	300.0	19896
880-11475-3	Trench 1 (2.5')	Soluble	Solid	300.0	19896
880-11475-4	Trench 2 (1.5')	Soluble	Solid	300.0	19896
880-11475-5	Trench 2 (2')	Soluble	Solid	300.0	19896
880-11475-6	Trench 2 (2.5')	Soluble	Solid	300.0	19896
MB 880-19896/1-A	Method Blank	Soluble	Solid	300.0	19896
LCS 880-19896/2-A	Lab Control Sample	Soluble	Solid	300.0	19896
LCSD 880-19896/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	19896
880-11474-A-1-F MS	Matrix Spike	Soluble	Solid	300.0	19896

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11475-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Analysis Batch: 19935 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11474-A-1-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	19896
880-11474-A-11-F MS	Matrix Spike	Soluble	Solid	300.0	19896
880-11474-A-11-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	19896

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Lab Chronicle

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11475-1
SDG: Eddy Co, NM

Client Sample ID: Trench 1 (1.5')

Lab Sample ID: 880-11475-1

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	20024	02/22/22 08:49	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20021	02/22/22 18:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20086	02/22/22 16:14	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20110	02/22/22 20:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19904	02/21/22 09:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20020	02/22/22 10:26	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	19896	02/21/22 09:14	CH	XEN MID
Soluble	Analysis	300.0		1			19935	02/22/22 18:50	CH	XEN MID

Client Sample ID: Trench 1 (2')

Lab Sample ID: 880-11475-2

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	20024	02/22/22 08:49	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20021	02/22/22 15:11	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20086	02/22/22 16:14	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20110	02/22/22 20:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19904	02/21/22 09:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20020	02/22/22 11:29	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	19896	02/21/22 09:14	CH	XEN MID
Soluble	Analysis	300.0		1			19935	02/22/22 18:59	CH	XEN MID

Client Sample ID: Trench 1 (2.5')

Lab Sample ID: 880-11475-3

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	20024	02/22/22 08:49	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20021	02/22/22 15:37	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20086	02/22/22 16:14	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20110	02/22/22 20:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	19904	02/21/22 09:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20020	02/22/22 11:50	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	19896	02/21/22 09:14	CH	XEN MID
Soluble	Analysis	300.0		1			19935	02/21/22 20:50	CH	XEN MID

Client Sample ID: Trench 2 (1.5')

Lab Sample ID: 880-11475-4

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	20024	02/22/22 08:49	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20021	02/22/22 16:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20086	02/22/22 16:14	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11475-1
SDG: Eddy Co, NM

Client Sample ID: Trench 2 (1.5')

Lab Sample ID: 880-11475-4

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			20110	02/22/22 20:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	19904	02/21/22 09:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20020	02/22/22 12:10	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	19896	02/21/22 09:14	CH	XEN MID
Soluble	Analysis	300.0		1			19935	02/22/22 19:08	CH	XEN MID

Client Sample ID: Trench 2 (2')

Lab Sample ID: 880-11475-5

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	20024	02/22/22 08:49	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20021	02/22/22 16:30	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20086	02/22/22 16:14	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20110	02/22/22 20:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19904	02/21/22 09:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20020	02/22/22 12:31	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	19896	02/21/22 09:14	CH	XEN MID
Soluble	Analysis	300.0		1			19935	02/22/22 19:17	CH	XEN MID

Client Sample ID: Trench 2 (2.5')

Lab Sample ID: 880-11475-6

Date Collected: 02/17/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	20024	02/22/22 08:49	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20021	02/22/22 19:10	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20086	02/22/22 16:14	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20110	02/22/22 20:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19904	02/21/22 09:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20020	02/22/22 12:52	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	19896	02/21/22 09:14	CH	XEN MID
Soluble	Analysis	300.0		1			19935	02/21/22 21:17	CH	XEN MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11475-1
SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

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

Eurofins Midland

Method Summary

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11475-1
SDG: Eddy Co, NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11475-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-11475-1	Trench 1 (1.5')	Solid	02/17/22 00:00	02/21/22 08:28
880-11475-2	Trench 1 (2')	Solid	02/17/22 00:00	02/21/22 08:28
880-11475-3	Trench 1 (2.5')	Solid	02/17/22 00:00	02/21/22 08:28
880-11475-4	Trench 2 (1.5')	Solid	02/17/22 00:00	02/21/22 08:28
880-11475-5	Trench 2 (2')	Solid	02/17/22 00:00	02/21/22 08:28
880-11475-6	Trench 2 (2.5')	Solid	02/17/22 00:00	02/21/22 08:28

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880-11475 Chain of Custody

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

Work Order Comments Program: ☐ UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐ State of Project: Reporting Level I ☐ Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐ Deliverables EDD ☐ ADAPT ☐ Other	
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Project Name		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number	1007	☐ Routine	☒ Rush		Due Date	24 Hrs	TAT starts the day received by the lab if received by 4:30pm												None NO
Project Location	Eddy Co, NM	CRM		TAT starts the day received by the lab if received by 4:30pm												Cool Cool	MeOH Me		
Sampler's Name														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 ()	Correction Factor													Na ₂ S ₂ O ₃ NaSO ₃				
Sample Custody Seals	Yes () No ()	Temperature Reading													Zn Acetate+NaOH Zn				
Total Containers	Corrected Temperature														NaOH+Ascorbic Acid SAPC				
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments
Trench 1 (1 5)	2/17/2022		X		G	1	X	X	X	X	X	X	X	X	X	X			
Trench 1 (2)	2/17/2022		X		G	1	X	X	X	X	X	X	X	X	X	X			
Trench 1 (2 5)	2/17/2022		X		G	1	X	X	X	X	X	X	X	X	X	X			
Trench 2 (1 5)	2/17/2022		X		G	1	X	X	X	X	X	X	X	X	X	X			
Trench 2 (2)	2/17/2022		X		G	1	X	X	X	X	X	X	X	X	X	X			
Trench 2 (2 5)	2/17/2022		X		G	1	X	X	X	X	X	X	X	X	X	X			

Additional Comments:

Notice: Signature of this document and relinquishment of sample constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$65.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
<i>Conner Moehring</i>	<i>Jacquie Harris</i>	2/21/22			

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-11475-1

SDG Number: Eddy Co, NM

Login Number: 11475**List Number: 1****Creator: Teel, Brianna****List Source: Eurofins Midland**

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



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-11474-1

Laboratory Sample Delivery Group: Eddy Co, NM
Client Project/Site: Gehrig Fed 5H (01.25.22)

For:

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

Attn: Conner Moehring

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
2/25/2022 7:37:42 AM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

LINKS

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results through
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www.eurofinsus.com/Env

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

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

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Laboratory Job ID: 880-11474-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11474-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11474-1
SDG: Eddy Co, NM

Job ID: 880-11474-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-11474-1****Receipt**

The samples were received on 2/21/2022 8:28 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.6°C

GC VOA

Method 8021B: Internal standard responses were outside of acceptance limits for the following sample: SW-1 (2') (880-11474-4). The sample(s) shows evidence of matrix interference.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-3 (2') (880-11474-3), SW-1 (2') (880-11474-4), SW-2 (2') (880-11474-5), SW-3 (2') (880-11474-6), SW-4 (2') (880-11474-7), SW-5 (2') (880-11474-8), SW-6 (2') (880-11474-9) and SW-7 (2') (880-11474-10). 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 samples were outside control limits: CS-1 (2') (880-11474-1), CS-3 (2') (880-11474-3), SW-4 (2') (880-11474-7), SW-5 (2') (880-11474-8), SW-6 (2') (880-11474-9), SW-7 (2') (880-11474-10) and (880-11475-A-1-C MS). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Client Sample Results

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11474-1
SDG: Eddy Co, NM

Client Sample ID: CS-1 (2')

Lab Sample ID: 880-11474-1

Date Collected: 02/18/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/23/22 10:42	02/24/22 01:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/23/22 10:42	02/24/22 01:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/23/22 10:42	02/24/22 01:22	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/23/22 10:42	02/24/22 01:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/23/22 10:42	02/24/22 01:22	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/23/22 10:42	02/24/22 01:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	164	S1+	70 - 130	02/23/22 10:42	02/24/22 01:22	1
1,4-Difluorobenzene (Surr)	78		70 - 130	02/23/22 10:42	02/24/22 01:22	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/25/22 08:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/22/22 20:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/21/22 09:46	02/22/22 13:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/21/22 09:46	02/22/22 13:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/21/22 09:46	02/22/22 13:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130	02/21/22 09:46	02/22/22 13:13	1
o-Terphenyl	68	S1-	70 - 130	02/21/22 09:46	02/22/22 13:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.5		4.98		mg/Kg			02/22/22 16:29	1

Client Sample ID: CS-2 (2')

Lab Sample ID: 880-11474-2

Date Collected: 02/18/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/23/22 10:42	02/24/22 01:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/23/22 10:42	02/24/22 01:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/23/22 10:42	02/24/22 01:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/23/22 10:42	02/24/22 01:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/23/22 10:42	02/24/22 01:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/23/22 10:42	02/24/22 01:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	205	S1+	70 - 130	02/23/22 10:42	02/24/22 01:49	1
1,4-Difluorobenzene (Surr)	87		70 - 130	02/23/22 10:42	02/24/22 01:49	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11474-1
SDG: Eddy Co, NM

Client Sample ID: CS-2 (2')

Lab Sample ID: 880-11474-2

Date Collected: 02/18/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/25/22 08:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/22/22 20:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/21/22 09:46	02/22/22 13:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/21/22 09:46	02/22/22 13:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/21/22 09:46	02/22/22 13:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				02/21/22 09:46	02/22/22 13:33	1
o-Terphenyl	73		70 - 130				02/21/22 09:46	02/22/22 13:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.6		4.95		mg/Kg			02/22/22 16:55	1

Client Sample ID: CS-3 (2')

Lab Sample ID: 880-11474-3

Date Collected: 02/18/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/22/22 15:21	02/23/22 18:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/22/22 15:21	02/23/22 18:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/22/22 15:21	02/23/22 18:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/22/22 15:21	02/23/22 18:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/22/22 15:21	02/23/22 18:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/22/22 15:21	02/23/22 18:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	179	S1+	70 - 130				02/22/22 15:21	02/23/22 18:05	1
1,4-Difluorobenzene (Surr)	73		70 - 130				02/22/22 15:21	02/23/22 18:05	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/25/22 08:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/22/22 20:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/21/22 09:46	02/22/22 13:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/21/22 09:46	02/22/22 13:54	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11474-1
SDG: Eddy Co, NM

Client Sample ID: CS-3 (2')

Lab Sample ID: 880-11474-3

Date Collected: 02/18/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/21/22 09:46	02/22/22 13:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	65	S1-	70 - 130				02/21/22 09:46	02/22/22 13:54	1
o-Terphenyl	63	S1-	70 - 130				02/21/22 09:46	02/22/22 13:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.41		5.01		mg/Kg			02/21/22 17:50	1

Client Sample ID: SW-1 (2')

Lab Sample ID: 880-11474-4

Date Collected: 02/18/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/22/22 15:21	02/23/22 18:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/22/22 15:21	02/23/22 18:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/22/22 15:21	02/23/22 18:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/22/22 15:21	02/23/22 18:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/22/22 15:21	02/23/22 18:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/22/22 15:21	02/23/22 18:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				02/22/22 15:21	02/23/22 18:32	1
1,4-Difluorobenzene (Surr)	77		70 - 130				02/22/22 15:21	02/23/22 18:32	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/25/22 08:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	56.2		50.0		mg/Kg			02/22/22 20:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/21/22 09:46	02/22/22 14:15	1
Diesel Range Organics (Over C10-C28)	56.2		50.0		mg/Kg		02/21/22 09:46	02/22/22 14:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/21/22 09:46	02/22/22 14:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 130				02/21/22 09:46	02/22/22 14:15	1
o-Terphenyl	70		70 - 130				02/21/22 09:46	02/22/22 14:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.6		4.99		mg/Kg			02/22/22 17:04	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11474-1
SDG: Eddy Co, NM

Client Sample ID: SW-2 (2')

Lab Sample ID: 880-11474-5

Date Collected: 02/18/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/22/22 15:21	02/23/22 18:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/22/22 15:21	02/23/22 18:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/22/22 15:21	02/23/22 18:59	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/22/22 15:21	02/23/22 18:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/22/22 15:21	02/23/22 18:59	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/22/22 15:21	02/23/22 18:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	214	S1+	70 - 130	02/22/22 15:21	02/23/22 18:59	1
1,4-Difluorobenzene (Surr)	94		70 - 130	02/22/22 15:21	02/23/22 18:59	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/25/22 08:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	57.8		49.9		mg/Kg			02/22/22 20:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/21/22 09:46	02/22/22 14:57	1
Diesel Range Organics (Over C10-C28)	57.8		49.9		mg/Kg		02/21/22 09:46	02/22/22 14:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/21/22 09:46	02/22/22 14:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130	02/21/22 09:46	02/22/22 14:57	1
o-Terphenyl	75		70 - 130	02/21/22 09:46	02/22/22 14:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.0		4.97		mg/Kg			02/22/22 17:13	1

Client Sample ID: SW-3 (2')

Lab Sample ID: 880-11474-6

Date Collected: 02/18/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/22/22 15:21	02/23/22 19:26	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/22/22 15:21	02/23/22 19:26	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/22/22 15:21	02/23/22 19:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/22/22 15:21	02/23/22 19:26	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/22/22 15:21	02/23/22 19:26	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/22/22 15:21	02/23/22 19:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	186	S1+	70 - 130	02/22/22 15:21	02/23/22 19:26	1
1,4-Difluorobenzene (Surr)	75		70 - 130	02/22/22 15:21	02/23/22 19:26	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11474-1
SDG: Eddy Co, NM

Client Sample ID: SW-3 (2')

Lab Sample ID: 880-11474-6

Date Collected: 02/18/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/25/22 08:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	75.4		50.0		mg/Kg			02/22/22 20:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/21/22 09:46	02/22/22 15:18	1
Diesel Range Organics (Over C10-C28)	75.4		50.0		mg/Kg		02/21/22 09:46	02/22/22 15:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/21/22 09:46	02/22/22 15:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				02/21/22 09:46	02/22/22 15:18	1
o-Terphenyl	77		70 - 130				02/21/22 09:46	02/22/22 15:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.3		4.95		mg/Kg			02/22/22 17:22	1

Client Sample ID: SW-4 (2')

Lab Sample ID: 880-11474-7

Date Collected: 02/18/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/22/22 15:21	02/23/22 19:53	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/22/22 15:21	02/23/22 19:53	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/22/22 15:21	02/23/22 19:53	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/22/22 15:21	02/23/22 19:53	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/22/22 15:21	02/23/22 19:53	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/22/22 15:21	02/23/22 19:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	187	S1+	70 - 130				02/22/22 15:21	02/23/22 19:53	1
1,4-Difluorobenzene (Surr)	94		70 - 130				02/22/22 15:21	02/23/22 19:53	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/25/22 08:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/22/22 20:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/21/22 09:46	02/22/22 15:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/21/22 09:46	02/22/22 15:39	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11474-1
SDG: Eddy Co, NM

Client Sample ID: SW-4 (2')

Lab Sample ID: 880-11474-7

Date Collected: 02/18/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Method: 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		02/21/22 09:46	02/22/22 15:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130				02/21/22 09:46	02/22/22 15:39	1
o-Terphenyl	69	S1-	70 - 130				02/21/22 09:46	02/22/22 15:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.08		5.00		mg/Kg			02/22/22 17:31	1

Client Sample ID: SW-5 (2')

Lab Sample ID: 880-11474-8

Date Collected: 02/18/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/22/22 15:21	02/23/22 20:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/22/22 15:21	02/23/22 20:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/22/22 15:21	02/23/22 20:21	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/22/22 15:21	02/23/22 20:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/22/22 15:21	02/23/22 20:21	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/22/22 15:21	02/23/22 20:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	196	S1+	70 - 130				02/22/22 15:21	02/23/22 20:21	1
1,4-Difluorobenzene (Surr)	83		70 - 130				02/22/22 15:21	02/23/22 20:21	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/25/22 08:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	50.7		49.9		mg/Kg			02/22/22 20:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/21/22 09:46	02/22/22 15:59	1
Diesel Range Organics (Over C10-C28)	50.7		49.9		mg/Kg		02/21/22 09:46	02/22/22 15:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/21/22 09:46	02/22/22 15:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130				02/21/22 09:46	02/22/22 15:59	1
o-Terphenyl	63	S1-	70 - 130				02/21/22 09:46	02/22/22 15:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.06		5.04		mg/Kg			02/22/22 17:40	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11474-1
SDG: Eddy Co, NM

Client Sample ID: SW-6 (2')

Lab Sample ID: 880-11474-9

Date Collected: 02/18/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/22/22 15:21	02/23/22 20:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/22/22 15:21	02/23/22 20:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/22/22 15:21	02/23/22 20:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/22/22 15:21	02/23/22 20:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/22/22 15:21	02/23/22 20:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/22/22 15:21	02/23/22 20:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	165	S1+	70 - 130	02/22/22 15:21	02/23/22 20:48	1
1,4-Difluorobenzene (Surr)	95		70 - 130	02/22/22 15:21	02/23/22 20:48	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/25/22 08:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	99.0		50.0		mg/Kg			02/22/22 20:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/21/22 09:46	02/22/22 16:20	1
Diesel Range Organics (Over C10-C28)	99.0		50.0		mg/Kg		02/21/22 09:46	02/22/22 16:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/21/22 09:46	02/22/22 16:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130				02/21/22 09:46	02/22/22 16:20	1
o-Terphenyl	66	S1-	70 - 130				02/21/22 09:46	02/22/22 16:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.26		5.00		mg/Kg			02/22/22 17:48	1

Client Sample ID: SW-7 (2')

Lab Sample ID: 880-11474-10

Date Collected: 02/18/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/22/22 15:21	02/23/22 21:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/22/22 15:21	02/23/22 21:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/22/22 15:21	02/23/22 21:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/22/22 15:21	02/23/22 21:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/22/22 15:21	02/23/22 21:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/22/22 15:21	02/23/22 21:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	192	S1+	70 - 130	02/22/22 15:21	02/23/22 21:16	1
1,4-Difluorobenzene (Surr)	94		70 - 130	02/22/22 15:21	02/23/22 21:16	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11474-1
SDG: Eddy Co, NM

Client Sample ID: SW-7 (2')

Lab Sample ID: 880-11474-10

Date Collected: 02/18/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/25/22 08:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/22/22 20:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/21/22 09:46	02/22/22 16:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/21/22 09:46	02/22/22 16:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/21/22 09:46	02/22/22 16:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130				02/21/22 09:46	02/22/22 16:41	1
o-Terphenyl	68	S1-	70 - 130				02/21/22 09:46	02/22/22 16:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.10		4.99		mg/Kg			02/22/22 18:15	1

Client Sample ID: SW-8 (2')

Lab Sample ID: 880-11474-11

Date Collected: 02/18/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/22/22 14:29	02/24/22 20:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/22/22 14:29	02/24/22 20:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/22/22 14:29	02/24/22 20:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/22/22 14:29	02/24/22 20:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/22/22 14:29	02/24/22 20:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/22/22 14:29	02/24/22 20:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130				02/22/22 14:29	02/24/22 20:40	1
1,4-Difluorobenzene (Surr)	72		70 - 130				02/22/22 14:29	02/24/22 20:40	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/25/22 08:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/22/22 20:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/21/22 09:46	02/22/22 17:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/21/22 09:46	02/22/22 17:02	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11474-1
SDG: Eddy Co, NM

Client Sample ID: SW-8 (2')

Lab Sample ID: 880-11474-11

Date Collected: 02/18/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Method: 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		02/21/22 09:46	02/22/22 17:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130	02/21/22 09:46	02/22/22 17:02	1
o-Terphenyl	70		70 - 130	02/21/22 09:46	02/22/22 17:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.00		5.05		mg/Kg			02/22/22 18:24	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11474-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-11473-A-8-E MS	Matrix Spike	171 S1+	81
880-11473-A-8-F MSD	Matrix Spike Duplicate	170 S1+	82
880-11474-1	CS-1 (2')	164 S1+	78
880-11474-1 MS	CS-1 (2')	159 S1+	84
880-11474-1 MSD	CS-1 (2')	192 S1+	98
880-11474-2	CS-2 (2')	205 S1+	87
880-11474-3	CS-3 (2')	179 S1+	73
880-11474-4	SW-1 (2')	95	77
880-11474-5	SW-2 (2')	214 S1+	94
880-11474-6	SW-3 (2')	186 S1+	75
880-11474-7	SW-4 (2')	187 S1+	94
880-11474-8	SW-5 (2')	196 S1+	83
880-11474-9	SW-6 (2')	165 S1+	95
880-11474-10	SW-7 (2')	192 S1+	94
880-11474-11	SW-8 (2')	145 S1+	72
890-1938-A-6-Q MS	Matrix Spike	110	84
890-1938-A-6-R MSD	Matrix Spike Duplicate	146 S1+	105
LCS 880-20055/1-A	Lab Control Sample	97	102
LCS 880-20070/1-A	Lab Control Sample	175 S1+	88
LCS 880-20128/1-A	Lab Control Sample	192 S1+	79
LCSD 880-20055/2-A	Lab Control Sample Dup	99	96
LCSD 880-20070/2-A	Lab Control Sample Dup	160 S1+	90
LCSD 880-20128/2-A	Lab Control Sample Dup	178 S1+	78
MB 880-20024/5-A	Method Blank	120	73
MB 880-20055/5-A	Method Blank	112	97
MB 880-20070/5-A	Method Blank	118	71
MB 880-20128/5-A	Method Blank	116	67 S1-
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-11474-1	CS-1 (2')	71	68 S1-
880-11474-2	CS-2 (2')	74	73
880-11474-3	CS-3 (2')	65 S1-	63 S1-
880-11474-4	SW-1 (2')	70	70
880-11474-5	SW-2 (2')	80	75
880-11474-6	SW-3 (2')	82	77
880-11474-7	SW-4 (2')	71	69 S1-
880-11474-8	SW-5 (2')	68 S1-	63 S1-
880-11474-9	SW-6 (2')	68 S1-	66 S1-
880-11474-10	SW-7 (2')	68 S1-	68 S1-
880-11474-11	SW-8 (2')	76	70
880-11475-A-1-C MS	Matrix Spike	67 S1-	72

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Surrogate Summary

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11474-1
SDG: Eddy Co, NM

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)
880-11475-A-1-D MSD	Matrix Spike Duplicate	78	74
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Method: 8015B NM - Diesel Range Organics (DRO) (GC)**Matrix: Solid****Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO2 (70-130)	OTPH2 (70-130)
LCS 880-19904/2-A	Lab Control Sample	92	103
LCSD 880-19904/3-A	Lab Control Sample Dup	104	122
MB 880-19904/1-A	Method Blank	95	101
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11474-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-20024/5-A

Matrix: Solid

Analysis Batch: 20021

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20024

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/22/22 08:49	02/22/22 12:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/22/22 08:49	02/22/22 12:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/22/22 08:49	02/22/22 12:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/22/22 08:49	02/22/22 12:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/22/22 08:49	02/22/22 12:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/22/22 08:49	02/22/22 12:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	02/22/22 08:49	02/22/22 12:32	1
1,4-Difluorobenzene (Surr)	73		70 - 130	02/22/22 08:49	02/22/22 12:32	1

Lab Sample ID: MB 880-20055/5-A

Matrix: Solid

Analysis Batch: 20204

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20055

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/22/22 14:29	02/24/22 15:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/22/22 14:29	02/24/22 15:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/22/22 14:29	02/24/22 15:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/22/22 14:29	02/24/22 15:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/22/22 14:29	02/24/22 15:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/22/22 14:29	02/24/22 15:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	02/22/22 14:29	02/24/22 15:28	1
1,4-Difluorobenzene (Surr)	97		70 - 130	02/22/22 14:29	02/24/22 15:28	1

Lab Sample ID: LCS 880-20055/1-A

Matrix: Solid

Analysis Batch: 20204

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20055

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1071		mg/Kg		107	70 - 130
Toluene	0.100	0.09671		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.1006		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	0.200	0.2109		mg/Kg		105	70 - 130
o-Xylene	0.100	0.1029		mg/Kg		103	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-20055/2-A

Matrix: Solid

Analysis Batch: 20204

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20055

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1068		mg/Kg		107	70 - 130	0	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11474-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-20055/2-A

Matrix: Solid

Analysis Batch: 20204

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20055

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	0.100	0.09998		mg/Kg		100	70 - 130	3	35
Ethylbenzene	0.100	0.1022		mg/Kg		102	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2139		mg/Kg		107	70 - 130	1	35
o-Xylene	0.100	0.1053		mg/Kg		105	70 - 130	2	35

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

Lab Sample ID: 890-1938-A-6-Q MS

Matrix: Solid

Analysis Batch: 20204

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20055

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U F1 F2	0.101	0.06098	F1	mg/Kg		60	70 - 130
Toluene	<0.00199	U F1 F2	0.101	0.06528	F1	mg/Kg		65	70 - 130
Ethylbenzene	<0.00199	U F1 F2	0.101	0.06353	F1	mg/Kg		63	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.202	0.1305	F1	mg/Kg		65	70 - 130
o-Xylene	<0.00199	U F1 F2	0.101	0.06620	F1	mg/Kg		66	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: 890-1938-A-6-R MSD

Matrix: Solid

Analysis Batch: 20204

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20055

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F1 F2	0.0998	0.007909	F1 F2	mg/Kg		8	70 - 130	154	35
Toluene	<0.00199	U F1 F2	0.0998	<0.00200	U F1 F2	mg/Kg		2	70 - 130	189	35
Ethylbenzene	<0.00199	U F1 F2	0.0998	0.006139	F1 F2	mg/Kg		6	70 - 130	165	35
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.200	0.009017	F1 F2	mg/Kg		5	70 - 130	174	35
o-Xylene	<0.00199	U F1 F2	0.0998	0.003313	F1 F2	mg/Kg		3	70 - 130	181	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: MB 880-20070/5-A

Matrix: Solid

Analysis Batch: 20021

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20070

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/22/22 15:21	02/23/22 09:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/22/22 15:21	02/23/22 09:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/22/22 15:21	02/23/22 09:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/22/22 15:21	02/23/22 09:15	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11474-1
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-20070/5-A

Matrix: Solid

Analysis Batch: 20021

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20070

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/22/22 15:21	02/23/22 09:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/22/22 15:21	02/23/22 09:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	02/22/22 15:21	02/23/22 09:15	1
1,4-Difluorobenzene (Surr)	71		70 - 130	02/22/22 15:21	02/23/22 09:15	1

Lab Sample ID: LCS 880-20070/1-A

Matrix: Solid

Analysis Batch: 20021

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20070

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09229		mg/Kg		92	70 - 130
Toluene	0.100	0.1031		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.1091		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.2323		mg/Kg		116	70 - 130
o-Xylene	0.100	0.1211		mg/Kg		121	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	175	S1+	70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: LCSD 880-20070/2-A

Matrix: Solid

Analysis Batch: 20021

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20070

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08443		mg/Kg		84	70 - 130	9	35
Toluene	0.100	0.09693		mg/Kg		97	70 - 130	6	35
Ethylbenzene	0.100	0.1019		mg/Kg		102	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.2146		mg/Kg		107	70 - 130	8	35
o-Xylene	0.100	0.1125		mg/Kg		112	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	160	S1+	70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: 880-11473-A-8-E MS

Matrix: Solid

Analysis Batch: 20021

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20070

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U	0.0998	0.1038		mg/Kg		104	70 - 130
Toluene	<0.00200	U	0.0998	0.1150		mg/Kg		115	70 - 130
Ethylbenzene	<0.00200	U	0.0998	0.1147		mg/Kg		115	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.2364		mg/Kg		118	70 - 130
o-Xylene	<0.00200	U	0.0998	0.1185		mg/Kg		119	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11474-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-11473-A-8-E MS

Matrix: Solid

Analysis Batch: 20021

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20070

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	171	S1+	70 - 130
1,4-Difluorobenzene (Surr)	81		70 - 130

Lab Sample ID: 880-11473-A-8-F MSD

Matrix: Solid

Analysis Batch: 20021

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20070

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0992	0.07988		mg/Kg		81	70 - 130	26	35
Toluene	<0.00200	U	0.0992	0.09431		mg/Kg		95	70 - 130	20	35
Ethylbenzene	<0.00200	U	0.0992	0.09956		mg/Kg		100	70 - 130	14	35
m-Xylene & p-Xylene	<0.00401	U	0.198	0.2088		mg/Kg		105	70 - 130	12	35
o-Xylene	<0.00200	U	0.0992	0.1094		mg/Kg		110	70 - 130	8	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	170	S1+	70 - 130
1,4-Difluorobenzene (Surr)	82		70 - 130

Lab Sample ID: MB 880-20128/5-A

Matrix: Solid

Analysis Batch: 20138

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20128

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/23/22 10:42	02/24/22 00:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/23/22 10:42	02/24/22 00:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/23/22 10:42	02/24/22 00:55	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/23/22 10:42	02/24/22 00:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/23/22 10:42	02/24/22 00:55	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/23/22 10:42	02/24/22 00:55	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	116		70 - 130	02/23/22 10:42	02/24/22 00:55	1			
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130	02/23/22 10:42	02/24/22 00:55	1			

Lab Sample ID: LCS 880-20128/1-A

Matrix: Solid

Analysis Batch: 20138

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20128

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1063		mg/Kg		106	70 - 130
Toluene	0.100	0.1131		mg/Kg		113	70 - 130
Ethylbenzene	0.100	0.1149		mg/Kg		115	70 - 130
m-Xylene & p-Xylene	0.200	0.2378		mg/Kg		119	70 - 130
o-Xylene	0.100	0.1281		mg/Kg		128	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	192	S1+	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11474-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-20128/1-A

Matrix: Solid

Analysis Batch: 20138

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20128

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

Lab Sample ID: LCSD 880-20128/2-A

Matrix: Solid

Analysis Batch: 20138

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20128

	LCS	LCS							%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit		
Benzene	0.0998	0.1094		mg/Kg		110	70 - 130	3	35		
Toluene	0.0998	0.1031		mg/Kg		103	70 - 130	9	35		
Ethylbenzene	0.0998	0.1079		mg/Kg		108	70 - 130	6	35		
m-Xylene & p-Xylene	0.200	0.2274		mg/Kg		114	70 - 130	4	35		
o-Xylene	0.0998	0.1206		mg/Kg		121	70 - 130	6	35		

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	178	S1+	70 - 130
1,4-Difluorobenzene (Surr)	78		70 - 130

Lab Sample ID: 880-11474-1 MS

Matrix: Solid

Analysis Batch: 20138

Client Sample ID: CS-1 (2')

Prep Type: Total/NA

Prep Batch: 20128

	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.0996	0.08394		mg/Kg		84	70 - 130		
Toluene	<0.00200	U	0.0996	0.07782		mg/Kg		78	70 - 130		
Ethylbenzene	<0.00200	U	0.0996	0.07842		mg/Kg		79	70 - 130		
m-Xylene & p-Xylene	<0.00399	U	0.199	0.1611		mg/Kg		81	70 - 130		
o-Xylene	<0.00200	U	0.0996	0.08719		mg/Kg		88	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	159	S1+	70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: 880-11474-1 MSD

Matrix: Solid

Analysis Batch: 20138

Client Sample ID: CS-1 (2')

Prep Type: Total/NA

Prep Batch: 20128

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.09380		mg/Kg		94	70 - 130	11	35
Toluene	<0.00200	U	0.100	0.08765		mg/Kg		88	70 - 130	12	35
Ethylbenzene	<0.00200	U	0.100	0.08869		mg/Kg		89	70 - 130	12	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1829		mg/Kg		91	70 - 130	13	35
o-Xylene	<0.00200	U	0.100	0.09881		mg/Kg		99	70 - 130	12	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	192	S1+	70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11474-1
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-19904/1-A

Matrix: Solid

Analysis Batch: 20020

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19904

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		02/21/22 09:46	02/22/22 09:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/21/22 09:46	02/22/22 09:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/21/22 09:46	02/22/22 09:24	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				02/21/22 09:46	02/22/22 09:24	1
o-Terphenyl	101		70 - 130				02/21/22 09:46	02/22/22 09:24	1

Lab Sample ID: LCS 880-19904/2-A

Matrix: Solid

Analysis Batch: 20020

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 19904

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	864.8		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	1000	858.9		mg/Kg		86	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
1-Chlorooctane	92		70 - 130				
o-Terphenyl	103		70 - 130				

Lab Sample ID: LCSD 880-19904/3-A

Matrix: Solid

Analysis Batch: 20020

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 19904

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1009		mg/Kg		101	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	1000	988.0		mg/Kg		99	70 - 130	14	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	104		70 - 130						
o-Terphenyl	122		70 - 130						

Lab Sample ID: 880-11475-A-1-C MS

Matrix: Solid

Analysis Batch: 20020

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 19904

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	1000	946.0		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	1181		mg/Kg		116	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11474-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-11475-A-1-C MS

Matrix: Solid

Analysis Batch: 20020

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 19904

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	67	S1-	70 - 130
o-Terphenyl	72		70 - 130

Lab Sample ID: 880-11475-A-1-D MSD

Matrix: Solid

Analysis Batch: 20020

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 19904

	Sample	Sample	Spike	MSD	MSD				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	998	1229	F2	mg/Kg		119	70 - 130	26
Diesel Range Organics (Over C10-C28)	<50.0	U F1	998	1396	F1	mg/Kg		138	70 - 130	17

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	78		70 - 130
o-Terphenyl	74		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-19896/1-A

Matrix: Solid

Analysis Batch: 19935

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/21/22 16:03	1

Lab Sample ID: LCS 880-19896/2-A

Matrix: Solid

Analysis Batch: 19935

Client Sample ID: Lab Control Sample

Prep Type: Soluble

			Spike	LCS	LCS				
Analyte			Added	Result	Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride			250	247.3		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-19896/3-A

Matrix: Solid

Analysis Batch: 19935

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

				Spike	LCSD	LCSD				%Rec.		
Analyte				Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limits
Chloride				250	245.8		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 880-11474-1 MS

Matrix: Solid

Analysis Batch: 19935

Client Sample ID: CS-1 (2')

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	11.5		249	265.5		mg/Kg		102	90 - 110		

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QC Sample Results

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11474-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-11474-1 MSD

Matrix: Solid

Analysis Batch: 19935

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	11.5		249	257.9		mg/Kg		99	90 - 110	3	20

Lab Sample ID: 880-11474-11 MS

Matrix: Solid

Analysis Batch: 19935

Client Sample ID: SW-8 (2')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	7.00		253	260.8		mg/Kg		100	90 - 110		

Lab Sample ID: 880-11474-11 MSD

Matrix: Solid

Analysis Batch: 19935

Client Sample ID: SW-8 (2')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	7.00		253	252.1		mg/Kg		97	90 - 110	3	20

QC Association Summary

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11474-1
SDG: Eddy Co, NM

GC VOA

Analysis Batch: 20021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11474-3	CS-3 (2')	Total/NA	Solid	8021B	20070
880-11474-4	SW-1 (2')	Total/NA	Solid	8021B	20070
880-11474-5	SW-2 (2')	Total/NA	Solid	8021B	20070
880-11474-6	SW-3 (2')	Total/NA	Solid	8021B	20070
880-11474-7	SW-4 (2')	Total/NA	Solid	8021B	20070
880-11474-8	SW-5 (2')	Total/NA	Solid	8021B	20070
880-11474-9	SW-6 (2')	Total/NA	Solid	8021B	20070
880-11474-10	SW-7 (2')	Total/NA	Solid	8021B	20070
MB 880-20024/5-A	Method Blank	Total/NA	Solid	8021B	20024
MB 880-20070/5-A	Method Blank	Total/NA	Solid	8021B	20070
LCS 880-20070/1-A	Lab Control Sample	Total/NA	Solid	8021B	20070
LCSD 880-20070/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	20070
880-11473-A-8-E MS	Matrix Spike	Total/NA	Solid	8021B	20070
880-11473-A-8-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	20070

Prep Batch: 20024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-20024/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 20055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11474-11	SW-8 (2')	Total/NA	Solid	5035	
MB 880-20055/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-20055/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-20055/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1938-A-6-Q MS	Matrix Spike	Total/NA	Solid	5035	
890-1938-A-6-R MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 20070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11474-3	CS-3 (2')	Total/NA	Solid	5035	
880-11474-4	SW-1 (2')	Total/NA	Solid	5035	
880-11474-5	SW-2 (2')	Total/NA	Solid	5035	
880-11474-6	SW-3 (2')	Total/NA	Solid	5035	
880-11474-7	SW-4 (2')	Total/NA	Solid	5035	
880-11474-8	SW-5 (2')	Total/NA	Solid	5035	
880-11474-9	SW-6 (2')	Total/NA	Solid	5035	
880-11474-10	SW-7 (2')	Total/NA	Solid	5035	
MB 880-20070/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-20070/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-20070/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-11473-A-8-E MS	Matrix Spike	Total/NA	Solid	5035	
880-11473-A-8-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 20128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11474-1	CS-1 (2')	Total/NA	Solid	5035	
880-11474-2	CS-2 (2')	Total/NA	Solid	5035	
MB 880-20128/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-20128/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-20128/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11474-1
SDG: Eddy Co, NM

GC VOA (Continued)

Prep Batch: 20128 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11474-1 MS	CS-1 (2')	Total/NA	Solid	5035	
880-11474-1 MSD	CS-1 (2')	Total/NA	Solid	5035	

Analysis Batch: 20138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11474-1	CS-1 (2')	Total/NA	Solid	8021B	20128
880-11474-2	CS-2 (2')	Total/NA	Solid	8021B	20128
MB 880-20128/5-A	Method Blank	Total/NA	Solid	8021B	20128
LCS 880-20128/1-A	Lab Control Sample	Total/NA	Solid	8021B	20128
LCSD 880-20128/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	20128
880-11474-1 MS	CS-1 (2')	Total/NA	Solid	8021B	20128
880-11474-1 MSD	CS-1 (2')	Total/NA	Solid	8021B	20128

Analysis Batch: 20204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11474-11	SW-8 (2')	Total/NA	Solid	8021B	20055
MB 880-20055/5-A	Method Blank	Total/NA	Solid	8021B	20055
LCS 880-20055/1-A	Lab Control Sample	Total/NA	Solid	8021B	20055
LCSD 880-20055/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	20055
890-1938-A-6-Q MS	Matrix Spike	Total/NA	Solid	8021B	20055
890-1938-A-6-R MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	20055

Analysis Batch: 20292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11474-1	CS-1 (2')	Total/NA	Solid	Total BTEX	
880-11474-2	CS-2 (2')	Total/NA	Solid	Total BTEX	
880-11474-3	CS-3 (2')	Total/NA	Solid	Total BTEX	
880-11474-4	SW-1 (2')	Total/NA	Solid	Total BTEX	
880-11474-5	SW-2 (2')	Total/NA	Solid	Total BTEX	
880-11474-6	SW-3 (2')	Total/NA	Solid	Total BTEX	
880-11474-7	SW-4 (2')	Total/NA	Solid	Total BTEX	
880-11474-8	SW-5 (2')	Total/NA	Solid	Total BTEX	
880-11474-9	SW-6 (2')	Total/NA	Solid	Total BTEX	
880-11474-10	SW-7 (2')	Total/NA	Solid	Total BTEX	
880-11474-11	SW-8 (2')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 19904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11474-1	CS-1 (2')	Total/NA	Solid	8015NM Prep	
880-11474-2	CS-2 (2')	Total/NA	Solid	8015NM Prep	
880-11474-3	CS-3 (2')	Total/NA	Solid	8015NM Prep	
880-11474-4	SW-1 (2')	Total/NA	Solid	8015NM Prep	
880-11474-5	SW-2 (2')	Total/NA	Solid	8015NM Prep	
880-11474-6	SW-3 (2')	Total/NA	Solid	8015NM Prep	
880-11474-7	SW-4 (2')	Total/NA	Solid	8015NM Prep	
880-11474-8	SW-5 (2')	Total/NA	Solid	8015NM Prep	
880-11474-9	SW-6 (2')	Total/NA	Solid	8015NM Prep	
880-11474-10	SW-7 (2')	Total/NA	Solid	8015NM Prep	
880-11474-11	SW-8 (2')	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
 Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11474-1
 SDG: Eddy Co, NM

GC Semi VOA (Continued)

Prep Batch: 19904 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-19904/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-19904/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-19904/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-11475-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-11475-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 20020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11474-1	CS-1 (2')	Total/NA	Solid	8015B NM	19904
880-11474-2	CS-2 (2')	Total/NA	Solid	8015B NM	19904
880-11474-3	CS-3 (2')	Total/NA	Solid	8015B NM	19904
880-11474-4	SW-1 (2')	Total/NA	Solid	8015B NM	19904
880-11474-5	SW-2 (2')	Total/NA	Solid	8015B NM	19904
880-11474-6	SW-3 (2')	Total/NA	Solid	8015B NM	19904
880-11474-7	SW-4 (2')	Total/NA	Solid	8015B NM	19904
880-11474-8	SW-5 (2')	Total/NA	Solid	8015B NM	19904
880-11474-9	SW-6 (2')	Total/NA	Solid	8015B NM	19904
880-11474-10	SW-7 (2')	Total/NA	Solid	8015B NM	19904
880-11474-11	SW-8 (2')	Total/NA	Solid	8015B NM	19904
MB 880-19904/1-A	Method Blank	Total/NA	Solid	8015B NM	19904
LCS 880-19904/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	19904
LCSD 880-19904/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	19904
880-11475-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	19904
880-11475-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	19904

Analysis Batch: 20111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11474-1	CS-1 (2')	Total/NA	Solid	8015 NM	
880-11474-2	CS-2 (2')	Total/NA	Solid	8015 NM	
880-11474-3	CS-3 (2')	Total/NA	Solid	8015 NM	
880-11474-4	SW-1 (2')	Total/NA	Solid	8015 NM	
880-11474-5	SW-2 (2')	Total/NA	Solid	8015 NM	
880-11474-6	SW-3 (2')	Total/NA	Solid	8015 NM	
880-11474-7	SW-4 (2')	Total/NA	Solid	8015 NM	
880-11474-8	SW-5 (2')	Total/NA	Solid	8015 NM	
880-11474-9	SW-6 (2')	Total/NA	Solid	8015 NM	
880-11474-10	SW-7 (2')	Total/NA	Solid	8015 NM	
880-11474-11	SW-8 (2')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 19896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11474-1	CS-1 (2')	Soluble	Solid	DI Leach	
880-11474-2	CS-2 (2')	Soluble	Solid	DI Leach	
880-11474-3	CS-3 (2')	Soluble	Solid	DI Leach	
880-11474-4	SW-1 (2')	Soluble	Solid	DI Leach	
880-11474-5	SW-2 (2')	Soluble	Solid	DI Leach	
880-11474-6	SW-3 (2')	Soluble	Solid	DI Leach	
880-11474-7	SW-4 (2')	Soluble	Solid	DI Leach	
880-11474-8	SW-5 (2')	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11474-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Leach Batch: 19896 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11474-9	SW-6 (2')	Soluble	Solid	DI Leach	
880-11474-10	SW-7 (2')	Soluble	Solid	DI Leach	
880-11474-11	SW-8 (2')	Soluble	Solid	DI Leach	
MB 880-19896/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-19896/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-19896/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-11474-1 MS	CS-1 (2')	Soluble	Solid	DI Leach	
880-11474-1 MSD	CS-1 (2')	Soluble	Solid	DI Leach	
880-11474-11 MS	SW-8 (2')	Soluble	Solid	DI Leach	
880-11474-11 MSD	SW-8 (2')	Soluble	Solid	DI Leach	

Analysis Batch: 19935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11474-1	CS-1 (2')	Soluble	Solid	300.0	19896
880-11474-2	CS-2 (2')	Soluble	Solid	300.0	19896
880-11474-3	CS-3 (2')	Soluble	Solid	300.0	19896
880-11474-4	SW-1 (2')	Soluble	Solid	300.0	19896
880-11474-5	SW-2 (2')	Soluble	Solid	300.0	19896
880-11474-6	SW-3 (2')	Soluble	Solid	300.0	19896
880-11474-7	SW-4 (2')	Soluble	Solid	300.0	19896
880-11474-8	SW-5 (2')	Soluble	Solid	300.0	19896
880-11474-9	SW-6 (2')	Soluble	Solid	300.0	19896
880-11474-10	SW-7 (2')	Soluble	Solid	300.0	19896
880-11474-11	SW-8 (2')	Soluble	Solid	300.0	19896
MB 880-19896/1-A	Method Blank	Soluble	Solid	300.0	19896
LCS 880-19896/2-A	Lab Control Sample	Soluble	Solid	300.0	19896
LCSD 880-19896/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	19896
880-11474-1 MS	CS-1 (2')	Soluble	Solid	300.0	19896
880-11474-1 MSD	CS-1 (2')	Soluble	Solid	300.0	19896
880-11474-11 MS	SW-8 (2')	Soluble	Solid	300.0	19896
880-11474-11 MSD	SW-8 (2')	Soluble	Solid	300.0	19896

Lab Chronicle

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11474-1
SDG: Eddy Co, NM

Client Sample ID: CS-1 (2')

Lab Sample ID: 880-11474-1

Date Collected: 02/18/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	20128	02/23/22 10:42	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20138	02/24/22 01:22	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20292	02/25/22 08:24	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20111	02/22/22 20:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	19904	02/21/22 09:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20020	02/22/22 13:13	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	19896	02/21/22 09:14	CH	XEN MID
Soluble	Analysis	300.0		1			19935	02/22/22 16:29	CH	XEN MID

Client Sample ID: CS-2 (2')

Lab Sample ID: 880-11474-2

Date Collected: 02/18/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	20128	02/23/22 10:42	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20138	02/24/22 01:49	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20292	02/25/22 08:24	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20111	02/22/22 20:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19904	02/21/22 09:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20020	02/22/22 13:33	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	19896	02/21/22 09:14	CH	XEN MID
Soluble	Analysis	300.0		1			19935	02/22/22 16:55	CH	XEN MID

Client Sample ID: CS-3 (2')

Lab Sample ID: 880-11474-3

Date Collected: 02/18/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	20070	02/22/22 15:21	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20021	02/23/22 18:05	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20292	02/25/22 08:24	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20111	02/22/22 20:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	19904	02/21/22 09:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20020	02/22/22 13:54	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	19896	02/21/22 09:14	CH	XEN MID
Soluble	Analysis	300.0		1			19935	02/21/22 17:50	CH	XEN MID

Client Sample ID: SW-1 (2')

Lab Sample ID: 880-11474-4

Date Collected: 02/18/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	20070	02/22/22 15:21	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20021	02/23/22 18:32	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20292	02/25/22 08:24	AJ	XEN MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11474-1
SDG: Eddy Co, NM

Client Sample ID: SW-1 (2')

Lab Sample ID: 880-11474-4

Date Collected: 02/18/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			20111	02/22/22 20:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	19904	02/21/22 09:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20020	02/22/22 14:15	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	19896	02/21/22 09:14	CH	XEN MID
Soluble	Analysis	300.0		1			19935	02/22/22 17:04	CH	XEN MID

Client Sample ID: SW-2 (2')

Lab Sample ID: 880-11474-5

Date Collected: 02/18/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	20070	02/22/22 15:21	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20021	02/23/22 18:59	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20292	02/25/22 08:24	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20111	02/22/22 20:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	19904	02/21/22 09:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20020	02/22/22 14:57	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	19896	02/21/22 09:14	CH	XEN MID
Soluble	Analysis	300.0		1			19935	02/22/22 17:13	CH	XEN MID

Client Sample ID: SW-3 (2')

Lab Sample ID: 880-11474-6

Date Collected: 02/18/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	20070	02/22/22 15:21	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20021	02/23/22 19:26	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20292	02/25/22 08:24	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20111	02/22/22 20:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19904	02/21/22 09:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20020	02/22/22 15:18	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	19896	02/21/22 09:14	CH	XEN MID
Soluble	Analysis	300.0		1			19935	02/22/22 17:22	CH	XEN MID

Client Sample ID: SW-4 (2')

Lab Sample ID: 880-11474-7

Date Collected: 02/18/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	20070	02/22/22 15:21	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20021	02/23/22 19:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20292	02/25/22 08:24	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20111	02/22/22 20:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	19904	02/21/22 09:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20020	02/22/22 15:39	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11474-1
SDG: Eddy Co, NM

Client Sample ID: SW-4 (2')

Lab Sample ID: 880-11474-7

Date Collected: 02/18/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	19896	02/21/22 09:14	CH	XEN MID
Soluble	Analysis	300.0		1			19935	02/22/22 17:31	CH	XEN MID

Client Sample ID: SW-5 (2')

Lab Sample ID: 880-11474-8

Date Collected: 02/18/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	20070	02/22/22 15:21	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20021	02/23/22 20:21	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20292	02/25/22 08:24	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20111	02/22/22 20:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	19904	02/21/22 09:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20020	02/22/22 15:59	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	19896	02/21/22 09:14	CH	XEN MID
Soluble	Analysis	300.0		1			19935	02/22/22 17:40	CH	XEN MID

Client Sample ID: SW-6 (2')

Lab Sample ID: 880-11474-9

Date Collected: 02/18/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	20070	02/22/22 15:21	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20021	02/23/22 20:48	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20292	02/25/22 08:24	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20111	02/22/22 20:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	19904	02/21/22 09:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20020	02/22/22 16:20	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	19896	02/21/22 09:14	CH	XEN MID
Soluble	Analysis	300.0		1			19935	02/22/22 17:48	CH	XEN MID

Client Sample ID: SW-7 (2')

Lab Sample ID: 880-11474-10

Date Collected: 02/18/22 00:00

Matrix: Solid

Date Received: 02/21/22 08:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	20070	02/22/22 15:21	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20021	02/23/22 21:16	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20292	02/25/22 08:24	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20111	02/22/22 20:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19904	02/21/22 09:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20020	02/22/22 16:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	19896	02/21/22 09:14	CH	XEN MID
Soluble	Analysis	300.0		1			19935	02/22/22 18:15	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11474-1
SDG: Eddy Co, NM

Client Sample ID: SW-8 (2')
Date Collected: 02/18/22 00:00
Date Received: 02/21/22 08:28

Lab Sample ID: 880-11474-11
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	20055	02/22/22 14:29	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20204	02/24/22 20:40	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20292	02/25/22 08:24	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20111	02/22/22 20:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	19904	02/21/22 09:46	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20020	02/22/22 17:02	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	19896	02/21/22 09:14	CH	XEN MID
Soluble	Analysis	300.0		1			19935	02/22/22 18:24	CH	XEN MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11474-1
SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

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

Method Summary

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11474-1
SDG: Eddy Co, NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Gehrig Fed 5H (01.25.22)

Job ID: 880-11474-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-11474-1	CS-1 (2')	Solid	02/18/22 00:00	02/21/22 08:28
880-11474-2	CS-2 (2')	Solid	02/18/22 00:00	02/21/22 08:28
880-11474-3	CS-3 (2')	Solid	02/18/22 00:00	02/21/22 08:28
880-11474-4	SW-1 (2')	Solid	02/18/22 00:00	02/21/22 08:28
880-11474-5	SW-2 (2')	Solid	02/18/22 00:00	02/21/22 08:28
880-11474-6	SW-3 (2')	Solid	02/18/22 00:00	02/21/22 08:28
880-11474-7	SW-4 (2')	Solid	02/18/22 00:00	02/21/22 08:28
880-11474-8	SW-5 (2')	Solid	02/18/22 00:00	02/21/22 08:28
880-11474-9	SW-6 (2')	Solid	02/18/22 00:00	02/21/22 08:28
880-11474-10	SW-7 (2')	Solid	02/18/22 00:00	02/21/22 08:28
880-11474-11	SW-8 (2')	Solid	02/18/22 00:00	02/21/22 08:28

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880-11474 Chain of Custody

Page 1 of 1

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

Program: UST/PST ☐ PRP ☐ Crownfields ☐ RRC ☐ Iperfund ☐	
State of Project: ☐ Level I ☐ Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Reporting Level II ☐	Deliverables EDD ☐ ADAPT ☐ Other ☐

Project Name		Gehrig Fed 5H (01 25 22)		Turn Around			Pres. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number	1007	☐ Routine	☒ Rush					None NO	DI Water	H ₂ O											
Project Location	Eddy Co. NM	Due Date	24 Hrs				Cool Cool	MeOH Me													
Sampler's Name	CRM	TAT starts the day received by the lab if received by 4:30pm						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 ☐	Correction Factor					Na ₂ S ₂ O ₃ NaSO ₃													
	Sample Custody Seals	Yes ☒ No ☐	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	
CS-1 (2')		2/18/2021		X		Comp	1	X	X	X	X										
CS-2 (2')		2/18/2021		X		Comp	1	X	X	X	X										
CS-3 (2')		2/18/2021		X		Comp	1	X	X	X	X										
SW-1 (2')		2/18/2021		X		Comp	1	X	X	X	X										
SW-2 (2')		2/18/2021		X		Comp	1	X	X	X	X										
SW-3 (2')		2/18/2021		X		Comp	1	X	X	X	X										
SW-4 (2')		2/18/2021		X		Comp	1	X	X	X	X										
SW-5 (2')		2/18/2021		X		Comp	1	X	X	X	X										
SW-6 (2')		2/18/2021		X		Comp	1	X	X	X	X										
SW-7 (2')		2/18/2021		X		Comp	1	X	X	X	X										
SW-8 (2')		2/18/2021		X		Comp	1	X	X	X	X										

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	2/21/22			

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-11474-1

SDG Number: Eddy Co, NM

Login Number: 11474

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Midland

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

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

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

CONDITIONS

Action 96119

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 96119
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	4/20/2022