

CARMONA RESOURCES



SITE INFORMATION

Closure Report
Flying Squirrel Federal #1H (04.28.22)
Eddy County, New Mexico
Incident ID: NAPP2213029034
Unit I Sec 30 T18S R31E
32.716683°, -103.901165°

Crude Oil Release
Point of Release: Flare Release
Release Date: 04.28.2022
Volume Released: 1 barrel of Crude Oil
Volume Recovered: 0 barrels of Crude Oil

CARMONA RESOURCES



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

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

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

TABLE OF CONTENTS

1.0 SITE INFORMATION AND BACKGROUND

2.0 SITE CHARACTERIZATION AND GROUNDWATER

3.0 NMAC REGULATORY CRITERIA

4.0 SITE ASSESSMENT

5.0 REMEDIATION ACTIVITIES

6.0 CONCLUSIONS

FIGURES

FIGURE 1	OVERVIEW	FIGURE 2	TOPOGRAPHIC
FIGURE 3	SAMPLE LOCATION	FIGURE 4	EXCAVATION

APPENDICES

APPENDIX A	TABLES
APPENDIX B	PHOTOS
APPENDIX C	INITIAL C-141 AND FINAL/NMOCD CORRESPONDENCE
APPENDIX D	SITE CHARACTERIZATION AND GROUNDWATER
APPENDIX E	LABORATORY REPORTS

September 27, 2022

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

**Re: Closure Report
Flying Squirrel Federal #1H (04.28.22)
Concho Operating, LLC
Site Location: Unit I, S30, T18S, R31E
(Lat 32.716683°, Long -103.901165°)
Eddy County, New Mexico**

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site assessment activities. The site is located at 32.716683°, -103.901165° within Unit I, S30, T18S, R31E, and 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 April 28, 2022, caused by fluids being released from the flare. It released approximately (one) 1 barrel of crude oil, and (zero) 0 barrels were recovered. The impacted area occurred on the pad and pasture and measured approximately 80' x 20', shown in Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water source is within a 0.50-mile radius of the location. The nearest identified well is approximately 2.09 miles Southwest of the site in S26, T18S, R30E and was drilled in 1968. The well has a reported depth to groundwater of 204.60' feet below the ground surface (ft bgs). A copy of the associated Summary Report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 100 mg/kg (GRO + DRO + MRO).
- Chloride: 600 mg/kg.

4.0 Site Assessment Activities

Initial Assessment

On July 28, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of four (4) sample points (S-1 through S-4) and four (4) horizontal sample points (H-1 through H-4) were installed to total depths ranging from surface to 1.5 ft below the surface. 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 E. The sample locations are shown in Figure 3.

5.0 Remediation Activities

Carmona Resources personnel were onsite to supervise the remediation activities collect confirmation samples, and oversee backfill. Before collecting composite confirmation samples, the NMOCD division office was notified via email on September 5, 2022, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The area of S-1 was excavated to a depth of 3.0' below the surface to remove all the impacted soils. The area of S-2, S-3, and S-4 was excavated to a depth of 1.0' below the surface to remove all impacted soils. A total of twelve (12) floor confirmation samples were collected (CS-1 through CS-12), and six (6) sidewall samples (SW-1 through SW-6) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

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

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 144 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. The final C-141 is attached, and COG formally requests 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

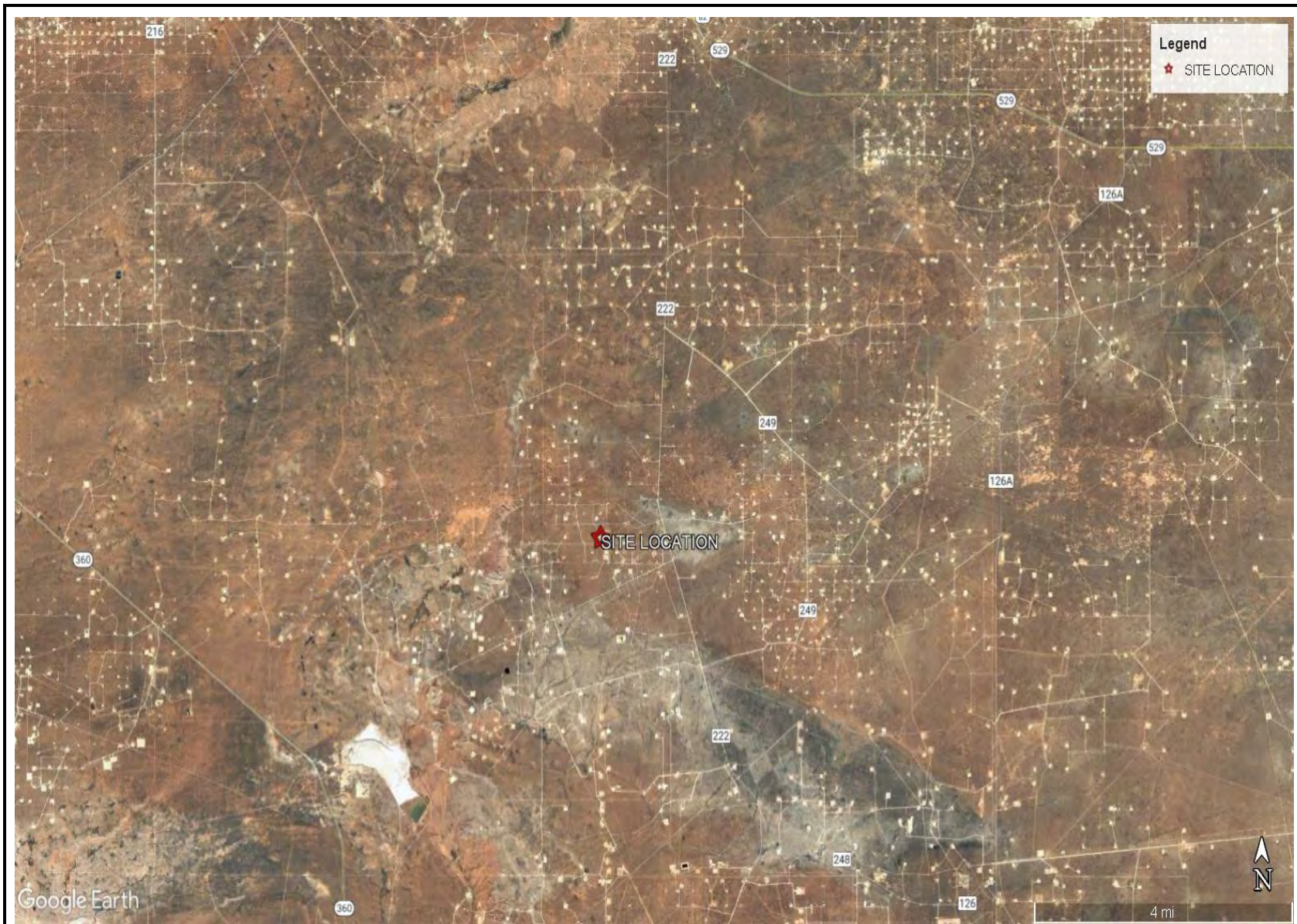
Mike Carmona
Environmental Manager

Clinton Merritt
Sr. Project Manager

FIGURES

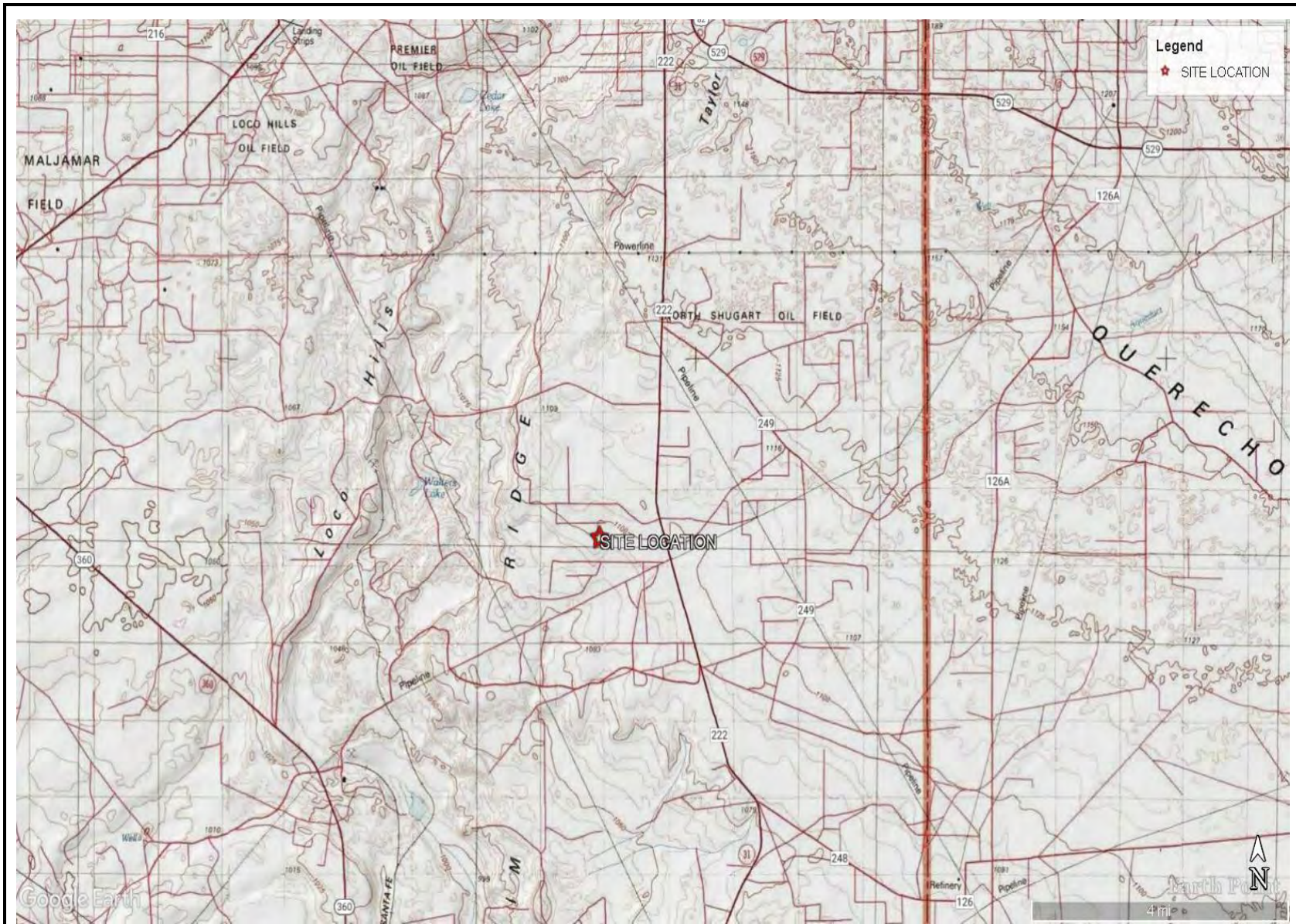
CARMONA RESOURCES





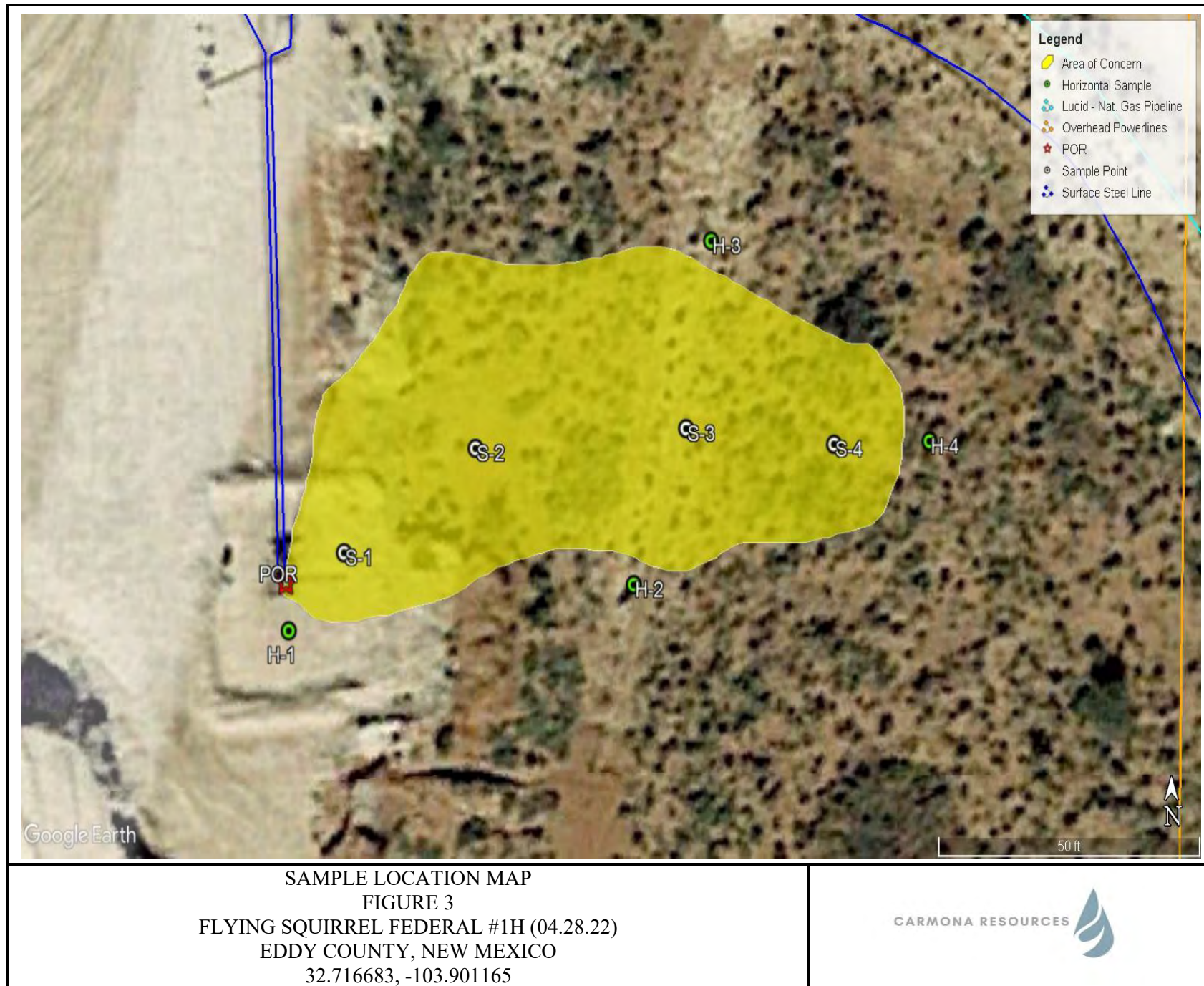
OVERVIEW MAP
FIGURE 1
FLYING SQUIRREL FEDERAL #1H (04.28.22)
EDDY COUNTY, NEW MEXICO
32.716683, -103.901165

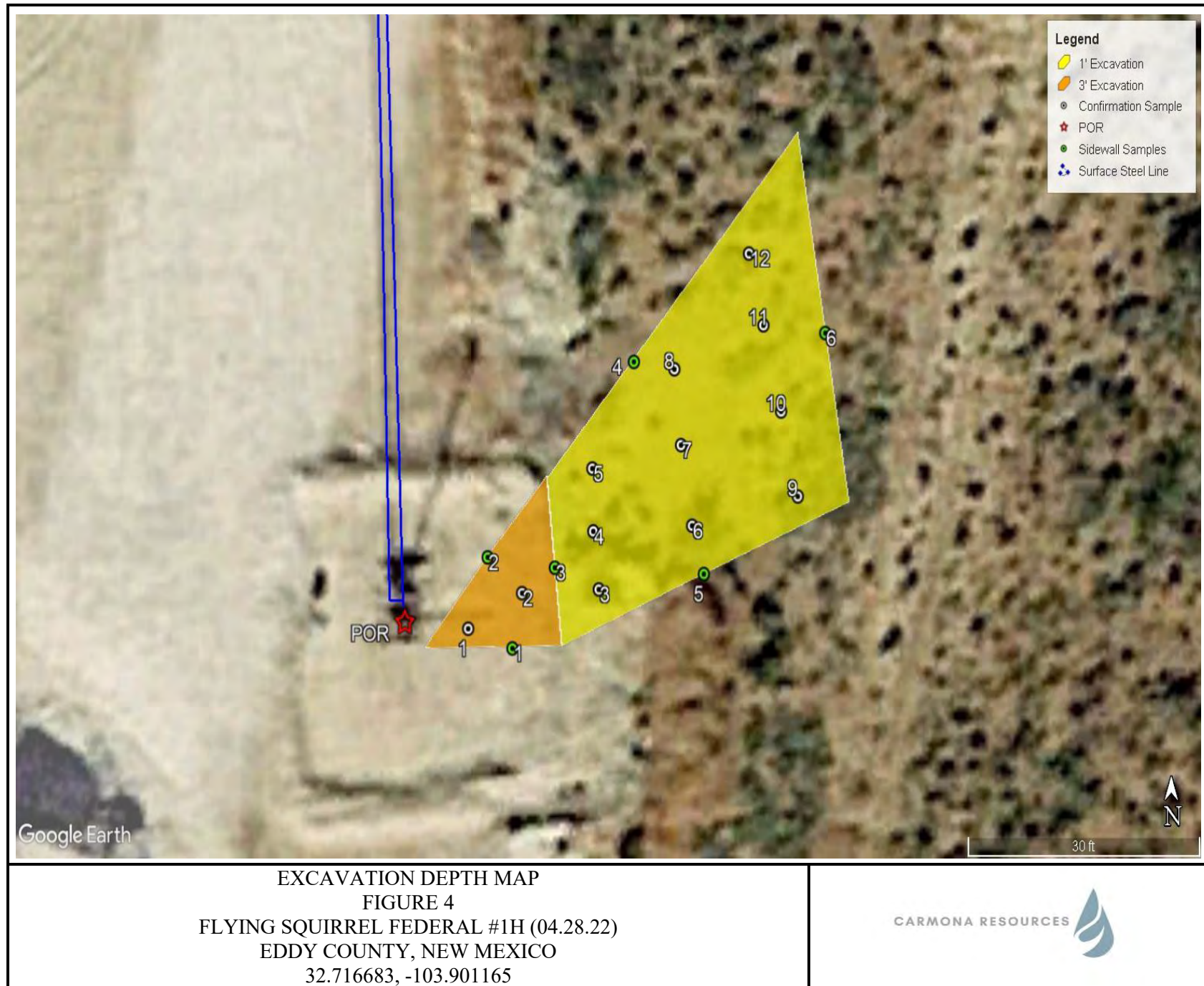




TOPOGRAPHIC MAP
FIGURE 2
FLYING SQUIRREL FEDERAL #1H (04.28.22)
EDDY COUNTY, NEW MEXICO
32.716683, -103.901165







APPENDIX A

CARMONA RESOURCES



Table 1
COG
Flying Squirrel Federal #1H (04.28.22)
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	7/28/2022	0-0.5	1,440	5,950	<249	7,390	<0.00200	0.241	10.0	19.1	29.4	59.0
	"	1.0	629	2,150	<250	2,780	<0.00200	0.362	10.9	18.8	30.0	<5.00
	"	1.5	274	1,450	<249	1,720	<0.00200	0.0404	0.244	2.19	1.51	88.2
S-2	7/28/2022	0-0.5	<49.9	733	<49.9	733	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5.40
	"	1.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	12.6
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	14.9
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	31.8
S-3	7/28/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<4.98
	"	1.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.95
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	9.68
S-4	7/28/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	10.1
	"	1.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	9.55
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.00
H-1	7/28/2022	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	5.42
H-2	7/28/2022	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	8.56
H-3	7/28/2022	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.97
H-4	7/28/2022	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	9.10
Regulatory Criteria^A						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft - feet

(S) - Sample Point

(H) - Horizontal


 Removed

Table 2
COG
Flying Squirrel Federal #1H (04.28.22)
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	9/7/2022	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	32.0
CS-2	9/7/2022	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	32.0
CS-3	9/7/2022	1.0	<10.0	82.0	<10.0	82.0	<0.050	<0.050	<0.050	<0.050	<0.300	<16.0
CS-4	9/7/2022	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	<16.0
CS-5	9/7/2022	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	<16.0
CS-6	9/7/2022	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	64.0
CS-7	9/7/2022	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	32.0
CS-8	9/7/2022	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	32.0
CS-9	9/7/2022	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	16.0
CS-10	9/7/2022	1.0	<10.0	38.1	<10.0	38.1	<0.050	<0.050	<0.050	<0.050	<0.300	64.0
CS-11	9/7/2022	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	<16.0
CS-12	9/7/2022	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	<16.0
SW-1	9/7/2022	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	32.0
SW-2	9/7/2022	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	16.0
SW-3	9/7/2022	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	<16.0
SW-4	9/7/2022	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	32.0
SW-5	9/7/2022	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	32.0
SW-6	9/7/2022	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.050	<0.300	16.0
Regulatory Criteria ^A						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(CS) Confirmation Sample

(SW) Sidewall

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG**Concho Operating, LLC****Photograph No. 1****Facility:** Flying Squirrel Federal #1H
(04.28.22)**County:** Eddy County, New Mexico**Description:**

View Northeast, areas of sample points (1-2).

**Photograph No. 2****Facility:** Flying Squirrel Federal #1H
(04.28.22)**County:** Eddy County, New Mexico**Description:**

View Northwest, areas of confirmation samples (3-12).

**Photograph No. 3****Facility:** Flying Squirrel Federal #1H
(04.28.22)**County:** Eddy County, New Mexico**Description:**

View West, areas of confirmation samples (3-12).



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)


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

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

<input type="checkbox"/> The source of the release has been stopped.	
<input type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name _____	Title: _____
Signature: <u></u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>05/12/2022</u>

NAPP2213029034

L48 Spill Volume Estimate Form									
Facility Name & Number: Flying Squirrel Fed #1									
Asset Area: DBW									
Release Discovery Date & Time: 4/28/2022									
Release Type: Oil									
Provide any known details about the event: Oil misted out of flare and wind carried it off pad									
Spill Calculation - Subsurface Spill - Rectangle									
Was the release on pad or off-pad?					See reference table below				
Has it rained at least a half inch in the last 24 hours?					See reference table below				
Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Depth (in.)	Soil Spilled-Fluid Saturation	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
Rectangle A	120.0	30.0	0.18	11.30%	9.612	1.086			
Rectangle B					0.000	0.000			
Rectangle C					0.000	0.000			
Rectangle D					0.000	0.000			
Rectangle E					0.000	0.000			
Rectangle F					0.000	0.000			
Rectangle G					0.000	0.000			
Rectangle H					0.000	0.000			
Rectangle I					0.000	0.000			
Rectangle J					0.000	0.000			
Total Volume Release:						1.086			

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 106239

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 106239
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	5/12/2022

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Jocelyn Harimon Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 09/27/2022

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: Jacques Harimon Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 09/27/2022

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

Closure Approved by: Jennifer Nobui Date: _____

Printed Name: _____ Title: _____

From: Mike Carmona
Sent: Monday, September 5, 2022 4:14 PM
To: OCD.Enviro@state.nm.us
Cc: Harris, Jacqui; Conner Moehring; Clint Merritt
Subject: COG - Flying Squirrel Federal #1H (04.28.22) Sampling Notification

Good Afternoon,

On behalf of COG, Carmona Resources will collect confirmation samples at the below-referenced site on 09/07/22 around 3:30 p.m Mountain Time. Please let me know if you have any questions.

COG - Flying Squirrel Federal #1H (04.28.22)
Sec 30 T18S R31E Unit I
32.716683, -103.901165
Eddy County, New Mexico

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

CARMONA RESOURCES



APPENDIX D

CARMONA RESOURCES



Nearest water wells

COG Operating

Legend

- 0.50 Mile Radius
- 2.09 Miles
- 2.14 Miles
- 3.06 Miles
- 3.30 Miles
- Flying Squirrel Fed #1H (04.28.22)
- USGS Water Well



LOW KARST

COG OPERATING

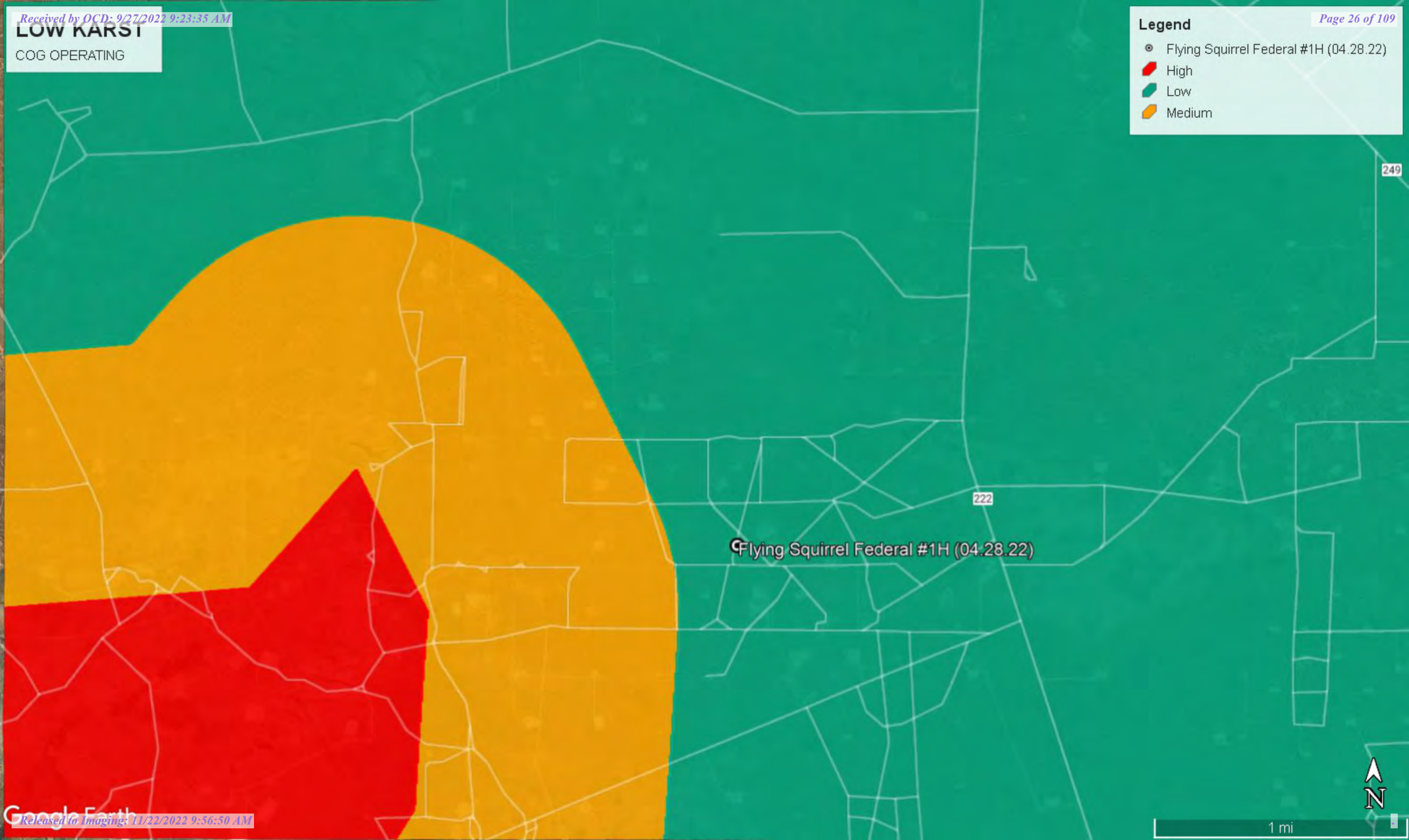
Legend

Flying Squirrel Federal #1H (04.28.22)

High

Low

Medium





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Data Category: Groundwater Geographic Area: New Mexico GO

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Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 324241103561201

Minimum number of levels = 1

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USGS 324241103561201 18S.30E.26.4140

Eddy County, New Mexico

Latitude 32°42'41", Longitude 103°56'12" NAD27

Land-surface elevation 3,432 feet above NAVD88

The depth of the well is 230 feet below land surface.

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

This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1968-03-07			D	62610	3225.86	NGVD29	1	Z		
1968-03-07			D	62611	3227.40	NAVD88	1	Z		
1968-03-07			D	72019	204.60		1	Z		

Explanation

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

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

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Title: Groundwater for New Mexico: Water Levels
URL: [https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?](https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=324241103561201&agency_cd=USGS&format=html)



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Groundwater

Geographic Area:
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Agency code = usgs
site_no list =

- 324244103561601

Minimum number of levels = 1
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USGS 324244103561601 18S.30E.26.414144

Eddy County, New Mexico
Latitude 32°42'55.8", Longitude 103°56'16.4" NAD83
Land-surface elevation 3,431 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Chinle Formation (231CHNL) 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
1976-05-28			D 62610		3235.07	NGVD29	1		Z	
1976-05-28			D 62611		3236.61	NAVD88	1		Z	
1976-05-28			D 72019	194.39			1		Z	
1983-04-12			D 62610		3243.42	NGVD29	1		Z	
1983-04-12			D 62611		3244.96	NAVD88	1		Z	
1983-04-12			D 72019	186.04			1		Z	
1990-10-10			D 62610		3246.44	NGVD29	1		S	
1990-10-10			D 62611		3247.98	NAVD88	1		S	
1990-10-10			D 72019	183.02			1		S	
1994-03-16			D 62610		3245.47	NGVD29	1		S	
1994-03-16			D 62611		3247.01	NAVD88	1		S	
1994-03-16			D 72019	183.99			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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Agency code = usgs

site_no list =

- 324405103565801

Minimum number of levels = 1

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USGS 324405103565801 18S.30E.22.2220

Eddy County, New Mexico

Latitude 32°44'05", Longitude 103°56'58" NAD27

Land-surface elevation 3,414 feet above NAVD88

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

This well is completed in the Chinle Formation (231CHNL) 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
1965-12-09			D 62610		3170.47	NGVD29	1		Z	
1965-12-09			D 62611		3172.00	NAVD88	1		Z	
1965-12-09			D 72019	242.00			1		Z	
1968-03-07			D 62610		3171.67	NGVD29	1		Z	
1968-03-07			D 62611		3173.20	NAVD88	1		Z	
1968-03-07			D 72019	240.80			1		Z	
1971-04-08			D 62610		3173.21	NGVD29	1		Z	
1971-04-08			D 62611		3174.74	NAVD88	1		Z	
1971-04-08			D 72019	239.26			1		Z	
1976-05-28			D 62610		3176.01	NGVD29	1		Z	
1976-05-28			D 62611		3177.54	NAVD88	1		Z	
1976-05-28			D 72019	236.46			1		Z	
1983-04-12			D 62610		3174.09	NGVD29	1		Z	
1983-04-12			D 62611		3175.62	NAVD88	1		Z	
1983-04-12			D 72019	238.38			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
1990-09-25			D	62610	3185.44	NGVD29	1	S		
1990-09-25			D	62611	3186.97	NAVD88	1	S		
1990-09-25			D	72019	227.03		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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Agency code = usgs

site_no list =

- 324159103503801

Minimum number of levels = 1

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USGS 324159103503801 18S.31E.35.31324

Eddy County, New Mexico

Latitude 32°42'07.3", Longitude 103°50'50.1" NAD83

Land-surface elevation 3,630 feet above NAVD88

The depth of the well is 300 feet below land surface.

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

This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1971-04-05			D 62610		3367.36	NGVD29	1		Z	
1971-04-05			D 62611		3368.92	NAVD88	1		Z	
1971-04-05			D 72019	261.08			1		Z	
1976-05-27			D 62610		3367.91	NGVD29	1		Z	
1976-05-27			D 62611		3369.47	NAVD88	1		Z	
1976-05-27			D 72019	260.53			1		Z	
1983-04-11			D 62610		3367.94	NGVD29	1		Z	
1983-04-11			D 62611		3369.50	NAVD88	1		Z	
1983-04-11			D 72019	260.50			1		Z	
1987-01-26			D 62610		3367.44	NGVD29	1		S	
1987-01-26			D 62611		3369.00	NAVD88	1		S	
1987-01-26			D 72019	261.00			1		S	
1994-03-17			D 62610		3367.77	NGVD29	1		S	
1994-03-17			D 62611		3369.33	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 measur
1994-03-17			D	72019	260.67		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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Title: Groundwater for New Mexico: Water Levels

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

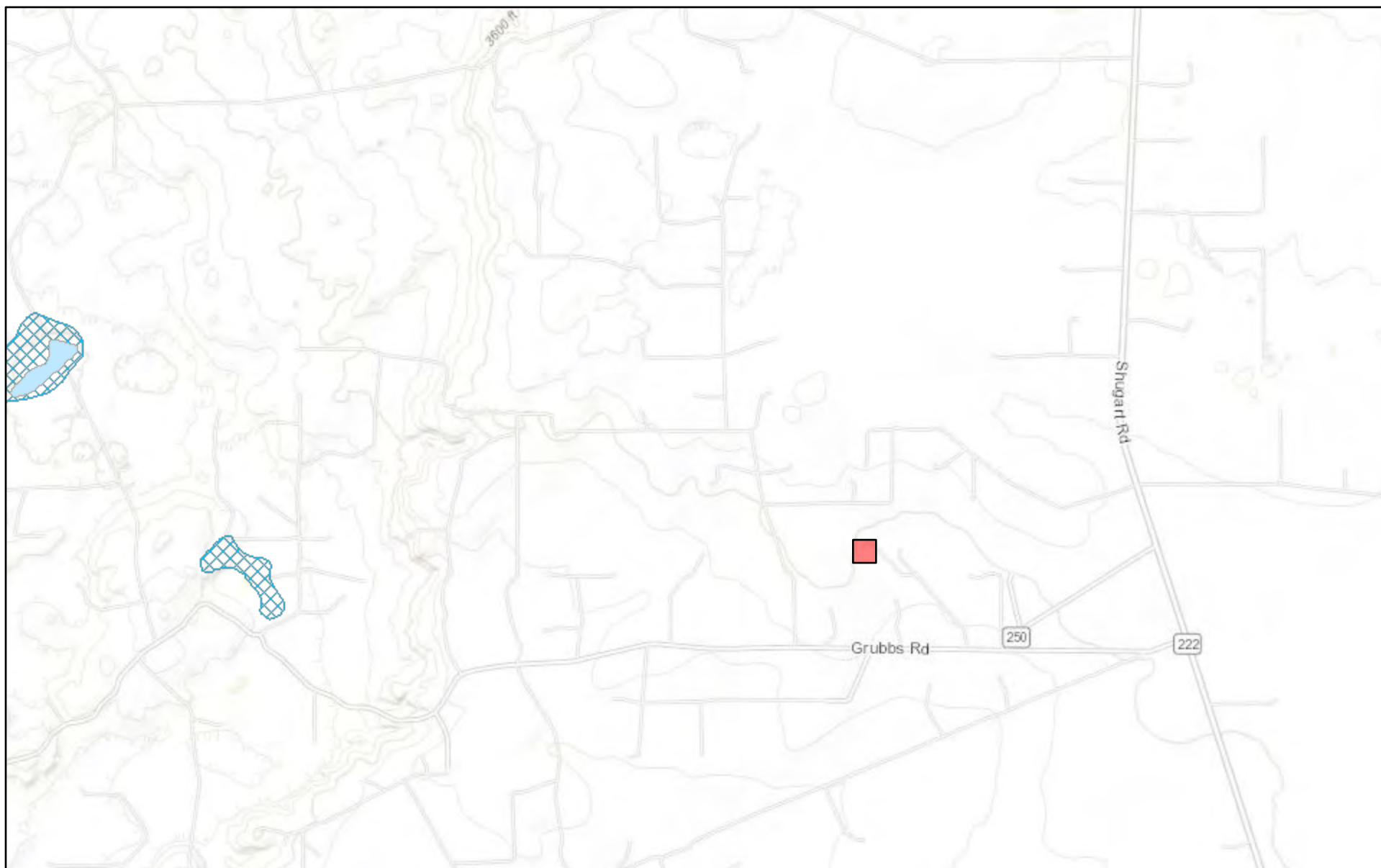
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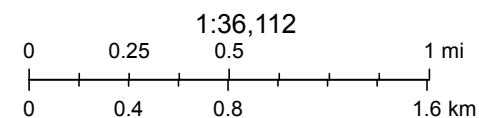
0.26 0.23 nadww02



New Mexico NFHL Data



August 2, 2022



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

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APPENDIX E

CARMONA RESOURCES





Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-17512-1

Laboratory Sample Delivery Group: Eddy Co, NM

Client Project/Site: Flying Squirrel Federal #1H (04.28.22)

For:

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

Attn: Conner Moehring

Authorized for release by:

8/3/2022 4:43:14 PM

Jessica Kramer, Project Manager
(432)704-5440

Jessica.Kramer@et.eurofinsus.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: Flying Squirrel Federal #1H (04.28.22)

Laboratory Job ID: 880-17512-1
SDG: Eddy Co, NM

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	6
Surrogate Summary	19
QC Sample Results	21
QC Association Summary	33
Lab Chronicle	39
Certification Summary	45
Method Summary	46
Sample Summary	47
Chain of Custody	48
Receipt Checklists	50

1
2
3
4
5
6
7
8
9
10
11
12
13
14

Definitions/Glossary

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
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
*1	LCS/LCSD RPD exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
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: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

Job ID: 880-17512-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-17512-1**

Receipt

The samples were received on 7/29/2022 10:45 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 1.7°C

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: (880-17512-A-1-D MS) and (880-17512-A-1-E MSD). 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: S-1 (0-0.5') (880-17512-1), S-1 (1') (880-17512-2) and S-1 (1.5') (880-17512-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Due to the high concentration of Ethylbenzene, m-Xylene & p-Xylene, o-Xylene and Xylenes, Total, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 880-31023 and analytical batch 880-31193 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-31191 and analytical batch 880-31253 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-31323 and analytical batch 880-31375 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-1 (0-0.5') (880-17512-1) and S-1 (1') (880-17512-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-1 (1.5') (880-17512-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-31013 and analytical batch 880-31049 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-31013/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-31151/2-A) and (LCSD 880-31151/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-1 (0-0.5') (880-17512-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery was outside acceptance limits for the following matrix spike/matrix spike duplicate (MS/MSD) sample: (890-2688-A-1-B MS). The parent sample's surrogate recovery was within limits. The MS/MSD sample has been qualified and reported.

Case Narrative

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

Job ID: 880-17512-1 (Continued)

Laboratory: Eurofins Midland (Continued)

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.

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2
3
4
5
6
7
8
9
10
11
12
13
14

Client Sample Results

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17512-1

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 10:45

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200		mg/Kg		07/29/22 14:53	08/02/22 07:00	1
Toluene	0.241	F1	0.00200		mg/Kg		07/29/22 14:53	08/02/22 07:00	1
Ethylbenzene	10.0		0.199		mg/Kg		08/02/22 13:15	08/03/22 13:31	100
m-Xylene & p-Xylene	11.7		0.398		mg/Kg		08/02/22 13:15	08/03/22 13:31	100
o-Xylene	7.41		0.199		mg/Kg		08/02/22 13:15	08/03/22 13:31	100
Xylenes, Total	19.1		0.398		mg/Kg		08/02/22 13:15	08/03/22 13:31	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	07/29/22 14:53	08/02/22 07:00	1
1,4-Difluorobenzene (Surr)	94		70 - 130	07/29/22 14:53	08/02/22 07:00	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	29.4		0.398		mg/Kg			08/02/22 12:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	7390		249		mg/Kg			07/31/22 10:33	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	1440		249		mg/Kg		08/01/22 08:56	08/01/22 17:23	5
Diesel Range Organics (Over C10-C28)	5950		249		mg/Kg		08/01/22 08:56	08/01/22 17:23	5
Oil Range Organics (Over C28-C36)	<249	U	249		mg/Kg		08/01/22 08:56	08/01/22 17:23	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	08/01/22 08:56	08/01/22 17:23	5
o-Terphenyl	142	S1+	70 - 130	08/01/22 08:56	08/01/22 17:23	5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.0		5.05		mg/Kg			08/03/22 05:29	1

Client Sample ID: S-1 (1')

Lab Sample ID: 880-17512-2

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 10:45

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		07/29/22 14:53	08/02/22 07:27	1
Toluene	0.362		0.00200		mg/Kg		07/29/22 14:53	08/02/22 07:27	1
Ethylbenzene	10.9		0.199		mg/Kg		08/02/22 13:15	08/03/22 13:52	100
m-Xylene & p-Xylene	11.2		0.398		mg/Kg		08/02/22 13:15	08/03/22 13:52	100
o-Xylene	7.57		0.199		mg/Kg		08/02/22 13:15	08/03/22 13:52	100
Xylenes, Total	18.8		0.398		mg/Kg		08/02/22 13:15	08/03/22 13:52	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	567	S1+	70 - 130	07/29/22 14:53	08/02/22 07:27	1
1,4-Difluorobenzene (Surr)	113		70 - 130	07/29/22 14:53	08/02/22 07:27	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (1')

Lab Sample ID: 880-17512-2

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 10:45

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	30.0		0.398		mg/Kg			08/02/22 12:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2780		250		mg/Kg			07/31/22 10:33	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	629		250		mg/Kg		08/01/22 08:56	08/01/22 17:45	5
Diesel Range Organics (Over C10-C28)	2150		250		mg/Kg		08/01/22 08:56	08/01/22 17:45	5
Oil Range Organics (Over C28-C36)	<250	U	250		mg/Kg		08/01/22 08:56	08/01/22 17:45	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				08/01/22 08:56	08/01/22 17:45	5
o-Terphenyl	118		70 - 130				08/01/22 08:56	08/01/22 17:45	5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/03/22 05:57	1

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-17512-3

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 10:45

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		07/29/22 14:53	08/02/22 07:54	1
Toluene	0.0404		0.00200		mg/Kg		07/29/22 14:53	08/02/22 07:54	1
Ethylbenzene	0.244		0.00200		mg/Kg		07/29/22 14:53	08/02/22 07:54	1
m-Xylene & p-Xylene	0.166		0.00399		mg/Kg		07/29/22 14:53	08/02/22 07:54	1
o-Xylene	1.06		0.200		mg/Kg		08/02/22 13:15	08/03/22 14:12	100
Xylenes, Total	2.19		0.399		mg/Kg		08/02/22 13:15	08/03/22 14:12	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	288	S1+	70 - 130				07/29/22 14:53	08/02/22 07:54	1
1,4-Difluorobenzene (Surr)	97		70 - 130				07/29/22 14:53	08/02/22 07:54	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1.51		0.00399		mg/Kg			08/02/22 12:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1720		249		mg/Kg			07/31/22 10:33	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	274		249		mg/Kg		08/01/22 08:56	08/01/22 18:06	5
Diesel Range Organics (Over C10-C28)	1450		249		mg/Kg		08/01/22 08:56	08/01/22 18:06	5

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Client Sample Results

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-17512-3

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 10:45

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)	<249	U	249		mg/Kg		08/01/22 08:56	08/01/22 18:06	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				08/01/22 08:56	08/01/22 18:06	5
o-Terphenyl	113		70 - 130				08/01/22 08:56	08/01/22 18:06	5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88.2		5.03		mg/Kg			08/03/22 06:06	1

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

Lab Sample ID: 880-17512-4

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 10:45

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		08/02/22 09:44	08/02/22 15:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/02/22 09:44	08/02/22 15:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/02/22 09:44	08/02/22 15:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/02/22 09:44	08/02/22 15:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/02/22 09:44	08/02/22 15:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/02/22 09:44	08/02/22 15:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				08/02/22 09:44	08/02/22 15:18	1
1,4-Difluorobenzene (Surr)	85		70 - 130				08/02/22 09:44	08/02/22 15:18	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			08/02/22 12:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	733		49.9		mg/Kg			07/31/22 10:33	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		08/01/22 08:56	08/01/22 18:28	1
Diesel Range Organics (Over C10-C28)	733		49.9		mg/Kg		08/01/22 08:56	08/01/22 18:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/01/22 08:56	08/01/22 18:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				08/01/22 08:56	08/01/22 18:28	1
o-Terphenyl	127		70 - 130				08/01/22 08:56	08/01/22 18:28	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.40		5.02		mg/Kg			08/03/22 06:15	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (1')

Lab Sample ID: 880-17512-5

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 10:45

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		07/29/22 14:53	08/02/22 09:03	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/29/22 14:53	08/02/22 09:03	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/29/22 14:53	08/02/22 09:03	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/29/22 14:53	08/02/22 09:03	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/29/22 14:53	08/02/22 09:03	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/29/22 14:53	08/02/22 09:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	71		70 - 130	07/29/22 14:53	08/02/22 09:03	1
1,4-Difluorobenzene (Surr)	78		70 - 130	07/29/22 14:53	08/02/22 09:03	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/02/22 12:48	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			07/31/22 10:33	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		08/01/22 08:56	08/01/22 18:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/01/22 08:56	08/01/22 18:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/01/22 08:56	08/01/22 18:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	08/01/22 08:56	08/01/22 18:49	1
o-Terphenyl	111		70 - 130	08/01/22 08:56	08/01/22 18:49	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			08/03/22 06:25	1

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-17512-6

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 10:45

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		07/29/22 14:53	08/02/22 09:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/29/22 14:53	08/02/22 09:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/29/22 14:53	08/02/22 09:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/29/22 14:53	08/02/22 09:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/29/22 14:53	08/02/22 09:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/29/22 14:53	08/02/22 09:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	07/29/22 14:53	08/02/22 09:30	1
1,4-Difluorobenzene (Surr)	103		70 - 130	07/29/22 14:53	08/02/22 09:30	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-17512-6

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 10:45

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			08/02/22 12:48	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			07/31/22 10:33	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		08/01/22 08:56	08/01/22 19:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/01/22 08:56	08/01/22 19:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/01/22 08:56	08/01/22 19:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				08/01/22 08:56	08/01/22 19:11	1
o-Terphenyl	125		70 - 130				08/01/22 08:56	08/01/22 19:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.9		5.01		mg/Kg			08/03/22 06:52	1

Client Sample ID: S-2 (2')

Lab Sample ID: 880-17512-7

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 10:45

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		07/29/22 14:53	08/02/22 09:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/29/22 14:53	08/02/22 09:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/29/22 14:53	08/02/22 09:56	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/29/22 14:53	08/02/22 09:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/29/22 14:53	08/02/22 09:56	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/29/22 14:53	08/02/22 09:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				07/29/22 14:53	08/02/22 09:56	1
1,4-Difluorobenzene (Surr)	103		70 - 130				07/29/22 14:53	08/02/22 09:56	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			08/02/22 12:48	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			07/31/22 10:33	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		08/01/22 08:56	08/01/22 19:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/01/22 08:56	08/01/22 19:33	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (2')

Lab Sample ID: 880-17512-7

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 10:45

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		08/01/22 08:56	08/01/22 19:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				08/01/22 08:56	08/01/22 19:33	1
o-Terphenyl	111		70 - 130				08/01/22 08:56	08/01/22 19:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31.8		4.99		mg/Kg			08/03/22 07:01	1

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

Lab Sample ID: 880-17512-8

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 10:45

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		07/29/22 14:53	08/02/22 10:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/29/22 14:53	08/02/22 10:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/29/22 14:53	08/02/22 10:22	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/29/22 14:53	08/02/22 10:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/29/22 14:53	08/02/22 10:22	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/29/22 14:53	08/02/22 10:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				07/29/22 14:53	08/02/22 10:22	1
1,4-Difluorobenzene (Surr)	103		70 - 130				07/29/22 14:53	08/02/22 10:22	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			08/02/22 12:48	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			07/31/22 10:33	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		08/01/22 09:04	08/01/22 17:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/01/22 09:04	08/01/22 17:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/01/22 09:04	08/01/22 17:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130				08/01/22 09:04	08/01/22 17:02	1
o-Terphenyl	85		70 - 130				08/01/22 09:04	08/01/22 17:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			08/03/22 07:11	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

Client Sample ID: S-3 (1')

Lab Sample ID: 880-17512-9

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 10:45

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		07/29/22 14:53	08/02/22 10:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/29/22 14:53	08/02/22 10:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/29/22 14:53	08/02/22 10:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/29/22 14:53	08/02/22 10:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/29/22 14:53	08/02/22 10:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/29/22 14:53	08/02/22 10:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	07/29/22 14:53	08/02/22 10:49	1
1,4-Difluorobenzene (Surr)	98		70 - 130	07/29/22 14:53	08/02/22 10:49	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			08/02/22 12:48	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			07/31/22 10:33	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		08/01/22 09:04	08/01/22 17:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/01/22 09:04	08/01/22 17:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/01/22 09:04	08/01/22 17:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	08/01/22 09:04	08/01/22 17:23	1
o-Terphenyl	104		70 - 130	08/01/22 09:04	08/01/22 17:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95		mg/Kg			08/03/22 07:20	1

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-17512-10

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 10:45

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		07/29/22 14:53	08/02/22 11:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/29/22 14:53	08/02/22 11:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/29/22 14:53	08/02/22 11:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/29/22 14:53	08/02/22 11:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/29/22 14:53	08/02/22 11:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/29/22 14:53	08/02/22 11:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	07/29/22 14:53	08/02/22 11:15	1
1,4-Difluorobenzene (Surr)	99		70 - 130	07/29/22 14:53	08/02/22 11:15	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-17512-10

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 10:45

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			08/02/22 12:48	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			07/31/22 10:33	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		08/01/22 09:04	08/01/22 17:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/01/22 09:04	08/01/22 17:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/01/22 09:04	08/01/22 17:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				08/01/22 09:04	08/01/22 17:45	1
o-Terphenyl	98		70 - 130				08/01/22 09:04	08/01/22 17:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.68		4.99		mg/Kg			08/03/22 07:29	1

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

Lab Sample ID: 880-17512-11

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 10:45

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		07/29/22 14:53	08/02/22 14:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/29/22 14:53	08/02/22 14:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/29/22 14:53	08/02/22 14:20	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/29/22 14:53	08/02/22 14:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/29/22 14:53	08/02/22 14:20	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/29/22 14:53	08/02/22 14:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				07/29/22 14:53	08/02/22 14:20	1
1,4-Difluorobenzene (Surr)	113		70 - 130				07/29/22 14:53	08/02/22 14:20	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			08/02/22 12:48	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			07/31/22 10:33	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		08/01/22 09:04	08/01/22 18:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/01/22 09:04	08/01/22 18:06	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17512-11

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 10:45

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		08/01/22 09:04	08/01/22 18:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				08/01/22 09:04	08/01/22 18:06	1
o-Terphenyl	96		70 - 130				08/01/22 09:04	08/01/22 18:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.1		4.99		mg/Kg			08/03/22 07:38	1

Client Sample ID: S-4 (1')

Lab Sample ID: 880-17512-12

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 10:45

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		07/29/22 14:53	08/02/22 14:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/29/22 14:53	08/02/22 14:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/29/22 14:53	08/02/22 14:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/29/22 14:53	08/02/22 14:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/29/22 14:53	08/02/22 14:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/29/22 14:53	08/02/22 14:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				07/29/22 14:53	08/02/22 14:45	1
1,4-Difluorobenzene (Surr)	110		70 - 130				07/29/22 14:53	08/02/22 14:45	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			08/02/22 12:48	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			07/31/22 10:33	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		08/01/22 09:04	08/01/22 18:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/01/22 09:04	08/01/22 18:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/01/22 09:04	08/01/22 18:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				08/01/22 09:04	08/01/22 18:28	1
o-Terphenyl	95		70 - 130				08/01/22 09:04	08/01/22 18:28	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.55		4.97		mg/Kg			08/03/22 08:06	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-17512-13

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 10:45

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		07/29/22 14:53	08/02/22 15:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/29/22 14:53	08/02/22 15:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/29/22 14:53	08/02/22 15:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/29/22 14:53	08/02/22 15:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/29/22 14:53	08/02/22 15:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/29/22 14:53	08/02/22 15:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	07/29/22 14:53	08/02/22 15:11	1
1,4-Difluorobenzene (Surr)	104		70 - 130	07/29/22 14:53	08/02/22 15:11	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			08/02/22 12:48	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			07/31/22 10:33	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		08/01/22 09:04	08/01/22 18:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/01/22 09:04	08/01/22 18:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/01/22 09:04	08/01/22 18:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130	08/01/22 09:04	08/01/22 18:49	1
o-Terphenyl	87		70 - 130	08/01/22 09:04	08/01/22 18:49	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/03/22 08:15	1

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

Lab Sample ID: 880-17512-14

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 10:45

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		07/29/22 14:53	08/02/22 15:37	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/29/22 14:53	08/02/22 15:37	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/29/22 14:53	08/02/22 15:37	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		07/29/22 14:53	08/02/22 15:37	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/29/22 14:53	08/02/22 15:37	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		07/29/22 14:53	08/02/22 15:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	07/29/22 14:53	08/02/22 15:37	1
1,4-Difluorobenzene (Surr)	99		70 - 130	07/29/22 14:53	08/02/22 15:37	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17512-14

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 10:45

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			08/02/22 12:48	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			07/31/22 10:33	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		08/01/22 09:04	08/01/22 19:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/01/22 09:04	08/01/22 19:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/01/22 09:04	08/01/22 19:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				08/01/22 09:04	08/01/22 19:11	1
o-Terphenyl	112		70 - 130				08/01/22 09:04	08/01/22 19:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.42		4.98		mg/Kg			08/03/22 09:11	1

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

Lab Sample ID: 880-17512-15

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 10:45

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		07/29/22 14:53	08/02/22 16:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/29/22 14:53	08/02/22 16:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/29/22 14:53	08/02/22 16:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/29/22 14:53	08/02/22 16:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/29/22 14:53	08/02/22 16:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/29/22 14:53	08/02/22 16:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				07/29/22 14:53	08/02/22 16:03	1
1,4-Difluorobenzene (Surr)	101		70 - 130				07/29/22 14:53	08/02/22 16:03	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			08/02/22 12:48	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			07/31/22 10:33	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		08/01/22 09:04	08/01/22 19:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/01/22 09:04	08/01/22 19:33	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17512-15

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 10:45

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		08/01/22 09:04	08/01/22 19:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				08/01/22 09:04	08/01/22 19:33	1
o-Terphenyl	107		70 - 130				08/01/22 09:04	08/01/22 19:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.56		4.95		mg/Kg			08/03/22 09:20	1

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

Lab Sample ID: 880-17512-16

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 10:45

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		07/29/22 14:53	08/02/22 16:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/29/22 14:53	08/02/22 16:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/29/22 14:53	08/02/22 16:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/29/22 14:53	08/02/22 16:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/29/22 14:53	08/02/22 16:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/29/22 14:53	08/02/22 16:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				07/29/22 14:53	08/02/22 16:29	1
1,4-Difluorobenzene (Surr)	100		70 - 130				07/29/22 14:53	08/02/22 16:29	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			08/02/22 12:48	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			07/31/22 10:33	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 *1	49.9		mg/Kg		07/29/22 13:50	07/31/22 04:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/29/22 13:50	07/31/22 04:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/29/22 13:50	07/31/22 04:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				07/29/22 13:50	07/31/22 04:25	1
o-Terphenyl	88		70 - 130				07/29/22 13:50	07/31/22 04:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			08/03/22 09:29	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17512-17

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 10:45

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		07/29/22 14:53	08/02/22 16:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/29/22 14:53	08/02/22 16:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/29/22 14:53	08/02/22 16:56	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/29/22 14:53	08/02/22 16:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/29/22 14:53	08/02/22 16:56	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/29/22 14:53	08/02/22 16:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	07/29/22 14:53	08/02/22 16:56	1
1,4-Difluorobenzene (Surr)	101		70 - 130	07/29/22 14:53	08/02/22 16:56	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			08/02/22 12:48	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			07/31/22 10:33	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 *1	50.0		mg/Kg		07/29/22 13:50	07/31/22 04:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/22 13:50	07/31/22 04:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/29/22 13:50	07/31/22 04:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130	07/29/22 13:50	07/31/22 04:46	1
o-Terphenyl	85		70 - 130	07/29/22 13:50	07/31/22 04:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.10		4.96		mg/Kg			08/03/22 09:38	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
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	DFBZ1
		(70-130)	(70-130)
880-17507-A-2-E MS	Matrix Spike	106	96
880-17507-A-2-F MSD	Matrix Spike Duplicate	121	93
880-17508-A-3-F MS	Matrix Spike	103	98
880-17508-A-3-G MSD	Matrix Spike Duplicate	107	97
880-17512-1	S-1 (0-0.5')	131 S1+	94
880-17512-1 MS	S-1 (0-0.5')	280 S1+	77
880-17512-1 MSD	S-1 (0-0.5')	35 S1-	87
880-17512-2	S-1 (1')	567 S1+	113
880-17512-3	S-1 (1.5')	288 S1+	97
880-17512-4	S-2 (0-0.5')	96	85
880-17512-5	S-2 (1')	71	78
880-17512-6	S-2 (1.5')	122	103
880-17512-7	S-2 (2')	98	103
880-17512-8	S-3 (0-0.5')	110	103
880-17512-9	S-3 (1')	100	98
880-17512-10	S-3 (1.5')	107	99
880-17512-11	S-4 (0-0.5')	86	113
880-17512-12	S-4 (1')	98	110
880-17512-13	S-4 (1.5')	101	104
880-17512-14	H-1 (0-0.5')	102	99
880-17512-15	H-2 (0-0.5')	98	101
880-17512-16	H-3 (0-0.5')	100	100
880-17512-17	H-4 (0-0.5')	98	101
880-17607-A-1-A MS	Matrix Spike	107	102
880-17607-A-1-B MSD	Matrix Spike Duplicate	103	99
LCS 880-31023/1-A	Lab Control Sample	70	102
LCS 880-31191/1-A	Lab Control Sample	111	99
LCS 880-31290/1-A	Lab Control Sample	98	98
LCS 880-31323/1-A	Lab Control Sample	102	97
LCSD 880-31023/2-A	Lab Control Sample Dup	104	109
LCSD 880-31191/2-A	Lab Control Sample Dup	108	101
LCSD 880-31290/2-A	Lab Control Sample Dup	114	101
LCSD 880-31323/2-A	Lab Control Sample Dup	103	96
MB 880-31023/5-A	Method Blank	78	93
MB 880-31030/5-A	Method Blank	73	97
MB 880-31191/5-A	Method Blank	101	92
MB 880-31290/5-A	Method Blank	104	88
MB 880-31323/5-A	Method Blank	106	87

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
880-17511-A-1-H MS	Matrix Spike	95	97

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-17512-1

Project/Site: Flying Squirrel Federal #1H (04.28.22)

SDG: Eddy Co, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-17511-A-1-I MSD	Matrix Spike Duplicate	100	108
880-17512-1	S-1 (0-0.5')	121	142 S1+
880-17512-2	S-1 (1')	98	118
880-17512-3	S-1 (1.5')	89	113
880-17512-4	S-2 (0-0.5')	113	127
880-17512-5	S-2 (1')	94	111
880-17512-6	S-2 (1.5')	106	125
880-17512-7	S-2 (2')	93	111
880-17512-8	S-3 (0-0.5')	75	85
880-17512-9	S-3 (1')	92	104
880-17512-10	S-3 (1.5')	85	98
880-17512-11	S-4 (0-0.5')	84	96
880-17512-12	S-4 (1')	83	95
880-17512-13	S-4 (1.5')	75	87
880-17512-14	H-1 (0-0.5')	95	112
880-17512-15	H-2 (0-0.5')	94	107
880-17512-16	H-3 (0-0.5')	83	88
880-17512-17	H-4 (0-0.5')	82	85
890-2687-A-1-B MS	Matrix Spike	73	77
890-2687-A-1-C MSD	Matrix Spike Duplicate	82	75
890-2688-A-1-B MS	Matrix Spike	70	66 S1-
890-2688-A-1-C MSD	Matrix Spike Duplicate	76	73
LCS 880-31013/2-A	Lab Control Sample	131 S1+	141 S1+
LCS 880-31151/2-A	Lab Control Sample	127	134 S1+
LCS 880-31153/2-A	Lab Control Sample	86	88
LCSD 880-31013/3-A	Lab Control Sample Dup	122	120
LCSD 880-31151/3-A	Lab Control Sample Dup	131 S1+	137 S1+
LCSD 880-31153/3-A	Lab Control Sample Dup	81	84
MB 880-31013/1-A	Method Blank	101	110
MB 880-31151/1-A	Method Blank	97	117
MB 880-31153/1-A	Method Blank	87	105

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-31023/5-A

Matrix: Solid

Analysis Batch: 31193

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 31023

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/29/22 14:53	08/02/22 06:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/29/22 14:53	08/02/22 06:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/29/22 14:53	08/02/22 06:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/29/22 14:53	08/02/22 06:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/29/22 14:53	08/02/22 06:34	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/29/22 14:53	08/02/22 06:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130	07/29/22 14:53	08/02/22 06:34	1
1,4-Difluorobenzene (Surr)	93		70 - 130	07/29/22 14:53	08/02/22 06:34	1

Lab Sample ID: LCS 880-31023/1-A

Matrix: Solid

Analysis Batch: 31193

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 31023

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09121		mg/Kg		91	70 - 130
Toluene	0.100	0.08538		mg/Kg		85	70 - 130
Ethylbenzene	0.100	0.08659		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1757		mg/Kg		88	70 - 130
o-Xylene	0.100	0.09078		mg/Kg		91	70 - 130

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

Lab Sample ID: LCSD 880-31023/2-A

Matrix: Solid

Analysis Batch: 31193

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 31023

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1074		mg/Kg		107	70 - 130	16	35
Toluene	0.100	0.09979		mg/Kg		100	70 - 130	16	35
Ethylbenzene	0.100	0.1017		mg/Kg		102	70 - 130	16	35
m-Xylene & p-Xylene	0.200	0.2063		mg/Kg		103	70 - 130	16	35
o-Xylene	0.100	0.1125		mg/Kg		113	70 - 130	21	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 880-17512-1 MS

Matrix: Solid

Analysis Batch: 31193

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

Prep Type: Total/NA

Prep Batch: 31023

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1	0.0998	0.03783	F1	mg/Kg		38	70 - 130
Toluene	0.241	F1	0.0998	0.2720	F1	mg/Kg		31	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

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

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	280	S1+	70 - 130
1,4-Difluorobenzene (Surr)	77		70 - 130

Lab Sample ID: 880-17512-1 MSD

Matrix: Solid

Analysis Batch: 31193

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

Prep Type: Total/NA

Prep Batch: 31023

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.0994	0.03777	F1	mg/Kg		38	70 - 130	0	35
Toluene	0.241	F1	0.0994	0.2906	F1	mg/Kg		50	70 - 130	7	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	35	S1-	70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: MB 880-31030/5-A

Matrix: Solid

Analysis Batch: 31193

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 31030

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/29/22 15:39	08/01/22 17:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/29/22 15:39	08/01/22 17:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/29/22 15:39	08/01/22 17:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/29/22 15:39	08/01/22 17:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/29/22 15:39	08/01/22 17:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/29/22 15:39	08/01/22 17:07	1

	MB	MB					Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	73		70 - 130				07/29/22 15:39	08/01/22 17:07	1
1,4-Difluorobenzene (Surr)	97		70 - 130				07/29/22 15:39	08/01/22 17:07	1

Lab Sample ID: MB 880-31191/5-A

Matrix: Solid

Analysis Batch: 31253

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 31191

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:04	08/02/22 22:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:04	08/02/22 22:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:04	08/02/22 22:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/01/22 13:04	08/02/22 22:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/01/22 13:04	08/02/22 22:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/01/22 13:04	08/02/22 22:49	1

	MB	MB					Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	101		70 - 130				08/01/22 13:04	08/02/22 22:49	1
1,4-Difluorobenzene (Surr)	92		70 - 130				08/01/22 13:04	08/02/22 22:49	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-31191/1-A

Matrix: Solid

Analysis Batch: 31253

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 31191

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09689		mg/Kg		97	70 - 130
Toluene	0.100	0.09493		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.1034		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.2071		mg/Kg		104	70 - 130
o-Xylene	0.100	0.1133		mg/Kg		113	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-31191/2-A

Matrix: Solid

Analysis Batch: 31253

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 31191

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09563		mg/Kg		96	70 - 130	1	35
Toluene	0.100	0.09513		mg/Kg		95	70 - 130	0	35
Ethylbenzene	0.100	0.09740		mg/Kg		97	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1979		mg/Kg		99	70 - 130	5	35
o-Xylene	0.100	0.1088		mg/Kg		109	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-17507-A-2-E MS

Matrix: Solid

Analysis Batch: 31253

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 31191

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.101	0.07249		mg/Kg		71	70 - 130
Toluene	0.00324	F1	0.101	0.06985	F1	mg/Kg		66	70 - 130
Ethylbenzene	0.00945	F1	0.101	0.06918	F1	mg/Kg		59	70 - 130
m-Xylene & p-Xylene	0.0177	F1	0.201	0.1343	F1	mg/Kg		58	70 - 130
o-Xylene	0.0129	F1	0.101	0.07930	F1	mg/Kg		66	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-17507-A-2-F MSD

Matrix: Solid

Analysis Batch: 31253

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 31191

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0998	0.07878		mg/Kg		78	70 - 130	8	35
Toluene	0.00324	F1	0.0998	0.08768		mg/Kg		85	70 - 130	23	35
Ethylbenzene	0.00945	F1	0.0998	0.08444		mg/Kg		75	70 - 130	20	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17507-A-2-F MSD

Matrix: Solid

Analysis Batch: 31253

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 31191

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	0.0177	F1	0.200	0.1681		mg/Kg		75	70 - 130	22	35
o-Xylene	0.0129	F1	0.0998	0.1012		mg/Kg		88	70 - 130	24	35
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	121		70 - 130								
1,4-Difluorobenzene (Surr)	93		70 - 130								

Lab Sample ID: MB 880-31290/5-A

Matrix: Solid

Analysis Batch: 31253

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 31290

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/02/22 09:44	08/02/22 12:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/02/22 09:44	08/02/22 12:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/02/22 09:44	08/02/22 12:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/02/22 09:44	08/02/22 12:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/02/22 09:44	08/02/22 12:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/02/22 09:44	08/02/22 12:12	1
Surrogate	MB %Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				08/02/22 09:44	08/02/22 12:12	1
1,4-Difluorobenzene (Surr)	88		70 - 130				08/02/22 09:44	08/02/22 12:12	1

Lab Sample ID: LCS 880-31290/1-A

Matrix: Solid

Analysis Batch: 31253

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 31290

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1124		mg/Kg		112	70 - 130
Toluene	0.100	0.1082		mg/Kg		108	70 - 130
Ethylbenzene	0.100	0.1089		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.2174		mg/Kg		109	70 - 130
o-Xylene	0.100	0.1246		mg/Kg		125	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	LCS Limits				
4-Bromofluorobenzene (Surr)	98		70 - 130				
1,4-Difluorobenzene (Surr)	98		70 - 130				

Lab Sample ID: LCSD 880-31290/2-A

Matrix: Solid

Analysis Batch: 31253

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 31290

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1108		mg/Kg		111	70 - 130	1	35
Toluene	0.100	0.1082		mg/Kg		108	70 - 130	0	35
Ethylbenzene	0.100	0.1122		mg/Kg		112	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2300		mg/Kg		115	70 - 130	6	35
o-Xylene	0.100	0.1303		mg/Kg		130	70 - 130	4	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-17508-A-3-F MS

Matrix: Solid

Analysis Batch: 31253

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 31290

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0998	0.09241		mg/Kg		93	70 - 130
Toluene	<0.00201	U	0.0998	0.08809		mg/Kg		88	70 - 130
Ethylbenzene	<0.00201	U	0.0998	0.08837		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1783		mg/Kg		89	70 - 130
o-Xylene	<0.00201	U	0.0998	0.09859		mg/Kg		99	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-17508-A-3-G MSD

Matrix: Solid

Analysis Batch: 31253

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 31290

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00201	U	0.0994	0.08109		mg/Kg		82	70 - 130	13	35
Toluene	<0.00201	U	0.0994	0.08003		mg/Kg		80	70 - 130	10	35
Ethylbenzene	<0.00201	U	0.0994	0.08217		mg/Kg		83	70 - 130	7	35
m-Xylene & p-Xylene	<0.00402	U	0.199	0.1673		mg/Kg		84	70 - 130	6	35
o-Xylene	<0.00201	U	0.0994	0.09239		mg/Kg		93	70 - 130	6	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: MB 880-31323/5-A

Matrix: Solid

Analysis Batch: 31375

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 31323

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/02/22 13:15	08/03/22 10:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/02/22 13:15	08/03/22 10:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/02/22 13:15	08/03/22 10:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/02/22 13:15	08/03/22 10:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/02/22 13:15	08/03/22 10:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/02/22 13:15	08/03/22 10:46	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	106		70 - 130	08/02/22 13:15	08/03/22 10:46	1			
1,4-Difluorobenzene (Surr)	87		70 - 130	08/02/22 13:15	08/03/22 10:46	1			

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QC Sample Results

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-31323/1-A

Matrix: Solid

Analysis Batch: 31375

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 31323

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08593		mg/Kg		86	70 - 130
Toluene	0.100	0.08462		mg/Kg		85	70 - 130
Ethylbenzene	0.100	0.08679		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1764		mg/Kg		88	70 - 130
o-Xylene	0.100	0.09584		mg/Kg		96	70 - 130

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

Lab Sample ID: LCSD 880-31323/2-A

Matrix: Solid

Analysis Batch: 31375

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 31323

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08793		mg/Kg		88	70 - 130	2	35
Toluene	0.100	0.08706		mg/Kg		87	70 - 130	3	35
Ethylbenzene	0.100	0.09087		mg/Kg		91	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.1840		mg/Kg		92	70 - 130	4	35
o-Xylene	0.100	0.1003		mg/Kg		100	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-17607-A-1-A MS

Matrix: Solid

Analysis Batch: 31375

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 31323

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F2 F1	0.101	0.09290		mg/Kg		92	70 - 130
Toluene	<0.00201	U F2 F1	0.101	0.08067		mg/Kg		80	70 - 130
Ethylbenzene	<0.00201	U F2 F1	0.101	0.07258		mg/Kg		72	70 - 130
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.201	0.1436		mg/Kg		71	70 - 130
o-Xylene	<0.00201	U F2 F1	0.101	0.07867		mg/Kg		78	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-17607-A-1-B MSD

Matrix: Solid

Analysis Batch: 31375

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 31323

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F2 F1	0.0990	0.06422	F2 F1	mg/Kg		65	70 - 130	37	35
Toluene	<0.00201	U F2 F1	0.0990	0.05399	F2 F1	mg/Kg		55	70 - 130	40	35
Ethylbenzene	<0.00201	U F2 F1	0.0990	0.04416	F2 F1	mg/Kg		45	70 - 130	49	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17607-A-1-B MSD

Matrix: Solid

Analysis Batch: 31375

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 31323

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.198	0.08685	F2 F1	mg/Kg		44	70 - 130	49	35
o-Xylene	<0.00201	U F2 F1	0.0990	0.04906	F2 F1	mg/Kg		50	70 - 130	46	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	103		70 - 130								
1,4-Difluorobenzene (Surr)	99		70 - 130								

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

Lab Sample ID: MB 880-31013/1-A

Matrix: Solid

Analysis Batch: 31049

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 31013

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		07/29/22 13:50	07/30/22 19:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/29/22 13:50	07/30/22 19:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/29/22 13:50	07/30/22 19:52	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				07/29/22 13:50	07/30/22 19:52	1
o-Terphenyl	110		70 - 130				07/29/22 13:50	07/30/22 19:52	1

Lab Sample ID: LCS 880-31013/2-A

Matrix: Solid

Analysis Batch: 31049

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 31013

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	780.9		mg/Kg		78	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1021		mg/Kg		102	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	131	S1+	70 - 130						
o-Terphenyl	141	S1+	70 - 130						

Lab Sample ID: LCSD 880-31013/3-A

Matrix: Solid

Analysis Batch: 31049

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 31013

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1064	*1	mg/Kg		106	70 - 130	31	20
Diesel Range Organics (Over C10-C28)	1000	880.2		mg/Kg		88	70 - 130	15	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-31013/3-A

Matrix: Solid

Analysis Batch: 31049

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 31013

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	122		70 - 130
o-Terphenyl	120		70 - 130

Lab Sample ID: 880-17511-A-1-H MS

Matrix: Solid

Analysis Batch: 31049

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 31013

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	999	1080		mg/Kg		106	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	999	711.2		mg/Kg		71	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	95		70 - 130							
o-Terphenyl	97		70 - 130							

Lab Sample ID: 880-17511-A-1-I MSD

Matrix: Solid

Analysis Batch: 31049

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 31013

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	999	1056		mg/Kg		104	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)	<49.9	U	999	783.4		mg/Kg		78	70 - 130	10	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	100		70 - 130									
o-Terphenyl	108		70 - 130									

Lab Sample ID: MB 880-31151/1-A

Matrix: Solid

Analysis Batch: 31144

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 31151

	MB	MB									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/01/22 08:56	08/01/22 10:30	1		
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/01/22 08:56	08/01/22 10:30	1		
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/01/22 08:56	08/01/22 10:30	1		
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac		
1-Chlorooctane	97		70 - 130				08/01/22 08:56	08/01/22 10:30	1		
o-Terphenyl	117		70 - 130				08/01/22 08:56	08/01/22 10:30	1		

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QC Sample Results

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-31151/2-A

Matrix: Solid

Analysis Batch: 31144

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 31151

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	918.9		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	1000	982.3		mg/Kg		98	70 - 130
		LCS	LCS				
		%Recovery	Qualifier				
Surrogate			Limits				
1-Chlorooctane		127					
o-Terphenyl		134	S1+				

Lab Sample ID: LCSD 880-31151/3-A

Matrix: Solid

Analysis Batch: 31144

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 31151

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	959.3		mg/Kg		96	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	1009		mg/Kg		101	70 - 130	3	20
		LCSD	LCSD						
		%Recovery	Qualifier						
Surrogate			Limits						
1-Chlorooctane		131	S1+						
o-Terphenyl		137	S1+						

Lab Sample ID: 890-2687-A-1-B MS

Matrix: Solid

Analysis Batch: 31144

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 31151

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	900.9		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	754.5		mg/Kg		74	70 - 130
		MS	MS						
		%Recovery	Qualifier						
Surrogate			Limits						
1-Chlorooctane		73							
o-Terphenyl		77							

Lab Sample ID: 890-2687-A-1-C MSD

Matrix: Solid

Analysis Batch: 31144

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 31151

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	999	1029		mg/Kg		103	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	750.0		mg/Kg		73	70 - 130	1	20
		MSD	MSD								
		%Recovery	Qualifier								
Surrogate			Limits								
1-Chlorooctane		82									

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QC Sample Results

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

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

Lab Sample ID: 890-2687-A-1-C MSD

Matrix: Solid

Analysis Batch: 31144

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 31151

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	75		70 - 130

Lab Sample ID: MB 880-31153/1-A

Matrix: Solid

Analysis Batch: 31146

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 31153

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/01/22 09:04	08/01/22 10:30	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/01/22 09:04	08/01/22 10:30	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/01/22 09:04	08/01/22 10:30	1	
	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	87		70 - 130				08/01/22 09:04	08/01/22 10:30	1	
<i>o</i> -Terphenyl	105		70 - 130				08/01/22 09:04	08/01/22 10:30	1	

Lab Sample ID: LCS 880-31153/2-A

Matrix: Solid

Analysis Batch: 31146

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 31153

		Spike	LCS	LCS				%Rec		
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10		1000	944.8		mg/Kg		94	70 - 130		
Diesel Range Organics (Over C10-C28)		1000	933.0		mg/Kg		93	70 - 130		
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	86		70 - 130							
<i>o</i> -Terphenyl	88		70 - 130							

Lab Sample ID: LCSD 880-31153/3-A

Matrix: Solid

Analysis Batch: 31146

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 31153

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	950.5		mg/Kg		95	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	909.9		mg/Kg		91	70 - 130	2	20
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	81		70 - 130								
o-Terphenyl	84		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

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

Lab Sample ID: 890-2688-A-1-B MS

Matrix: Solid

Analysis Batch: 31146

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 31153

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	863.1		mg/Kg		86	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	999	728.0		mg/Kg		71	70 - 130		

Lab Sample ID: 890-2688-A-1-C MSD

Matrix: Solid

Analysis Batch: 31146

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 31153

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	901.6		mg/Kg		90	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	801.4		mg/Kg		78	70 - 130	10	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	76		70 - 130								
o-Terphenyl	73		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-31006/1-A

Matrix: Solid

Analysis Batch: 31304

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			08/03/22 05:02	1

Lab Sample ID: LCS 880-31006/2-A

Matrix: Solid

Analysis Batch: 31304

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	264.0		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-31006/3-A

Matrix: Solid

Analysis Batch: 31304

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	263.8		mg/Kg		106	90 - 110	0	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-17512-1 MS

Matrix: Solid

Analysis Batch: 31304

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	59.0		253	312.2		mg/Kg		100	90 - 110		

Lab Sample ID: 880-17512-1 MSD

Matrix: Solid

Analysis Batch: 31304

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	59.0		253	305.4		mg/Kg		98	90 - 110	2	20

Lab Sample ID: 880-17512-11 MS

Matrix: Solid

Analysis Batch: 31304

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	10.1		250	244.9		mg/Kg		94	90 - 110		

Lab Sample ID: 880-17512-11 MSD

Matrix: Solid

Analysis Batch: 31304

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.1		250	244.3		mg/Kg		94	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 31023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17512-1	S-1 (0-0.5')	Total/NA	Solid	5035	
880-17512-2	S-1 (1')	Total/NA	Solid	5035	
880-17512-3	S-1 (1.5')	Total/NA	Solid	5035	
880-17512-5	S-2 (1')	Total/NA	Solid	5035	
880-17512-6	S-2 (1.5')	Total/NA	Solid	5035	
880-17512-7	S-2 (2')	Total/NA	Solid	5035	
880-17512-8	S-3 (0-0.5')	Total/NA	Solid	5035	
880-17512-9	S-3 (1')	Total/NA	Solid	5035	
880-17512-10	S-3 (1.5')	Total/NA	Solid	5035	
880-17512-11	S-4 (0-0.5')	Total/NA	Solid	5035	
880-17512-12	S-4 (1')	Total/NA	Solid	5035	
880-17512-13	S-4 (1.5')	Total/NA	Solid	5035	
880-17512-14	H-1 (0-0.5')	Total/NA	Solid	5035	
880-17512-15	H-2 (0-0.5')	Total/NA	Solid	5035	
880-17512-16	H-3 (0-0.5')	Total/NA	Solid	5035	
880-17512-17	H-4 (0-0.5')	Total/NA	Solid	5035	
MB 880-31023/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-31023/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-31023/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-17512-1 MS	S-1 (0-0.5')	Total/NA	Solid	5035	
880-17512-1 MSD	S-1 (0-0.5')	Total/NA	Solid	5035	

Prep Batch: 31030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-31030/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 31191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-31191/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-31191/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-31191/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-17507-A-2-E MS	Matrix Spike	Total/NA	Solid	5035	
880-17507-A-2-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 31193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17512-1	S-1 (0-0.5')	Total/NA	Solid	8021B	31023
880-17512-2	S-1 (1')	Total/NA	Solid	8021B	31023
880-17512-3	S-1 (1.5')	Total/NA	Solid	8021B	31023
880-17512-5	S-2 (1')	Total/NA	Solid	8021B	31023
880-17512-6	S-2 (1.5')	Total/NA	Solid	8021B	31023
880-17512-7	S-2 (2')	Total/NA	Solid	8021B	31023
880-17512-8	S-3 (0-0.5')	Total/NA	Solid	8021B	31023
880-17512-9	S-3 (1')	Total/NA	Solid	8021B	31023
880-17512-10	S-3 (1.5')	Total/NA	Solid	8021B	31023
880-17512-11	S-4 (0-0.5')	Total/NA	Solid	8021B	31023
880-17512-12	S-4 (1')	Total/NA	Solid	8021B	31023
880-17512-13	S-4 (1.5')	Total/NA	Solid	8021B	31023
880-17512-14	H-1 (0-0.5')	Total/NA	Solid	8021B	31023
880-17512-15	H-2 (0-0.5')	Total/NA	Solid	8021B	31023
880-17512-16	H-3 (0-0.5')	Total/NA	Solid	8021B	31023

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QC Association Summary

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

GC VOA (Continued)

Analysis Batch: 31193 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17512-17	H-4 (0-0.5')	Total/NA	Solid	8021B	31023
MB 880-31023/5-A	Method Blank	Total/NA	Solid	8021B	31023
MB 880-31030/5-A	Method Blank	Total/NA	Solid	8021B	31030
LCS 880-31023/1-A	Lab Control Sample	Total/NA	Solid	8021B	31023
LCSD 880-31023/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	31023
880-17512-1 MS	S-1 (0-0.5')	Total/NA	Solid	8021B	31023
880-17512-1 MSD	S-1 (0-0.5')	Total/NA	Solid	8021B	31023

Analysis Batch: 31253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17512-4	S-2 (0-0.5')	Total/NA	Solid	8021B	31290
MB 880-31191/5-A	Method Blank	Total/NA	Solid	8021B	31191
MB 880-31290/5-A	Method Blank	Total/NA	Solid	8021B	31290
LCS 880-31191/1-A	Lab Control Sample	Total/NA	Solid	8021B	31191
LCS 880-31290/1-A	Lab Control Sample	Total/NA	Solid	8021B	31290
LCSD 880-31191/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	31191
LCSD 880-31290/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	31290
880-17507-A-2-E MS	Matrix Spike	Total/NA	Solid	8021B	31191
880-17507-A-2-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	31191
880-17508-A-3-F MS	Matrix Spike	Total/NA	Solid	8021B	31290
880-17508-A-3-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	31290

Prep Batch: 31290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17512-4	S-2 (0-0.5')	Total/NA	Solid	5035	
MB 880-31290/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-31290/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-31290/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-17508-A-3-F MS	Matrix Spike	Total/NA	Solid	5035	
880-17508-A-3-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 31321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17512-1	S-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-17512-2	S-1 (1')	Total/NA	Solid	Total BTEX	
880-17512-3	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-17512-4	S-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-17512-5	S-2 (1')	Total/NA	Solid	Total BTEX	
880-17512-6	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-17512-7	S-2 (2')	Total/NA	Solid	Total BTEX	
880-17512-8	S-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-17512-9	S-3 (1')	Total/NA	Solid	Total BTEX	
880-17512-10	S-3 (1.5')	Total/NA	Solid	Total BTEX	
880-17512-11	S-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-17512-12	S-4 (1')	Total/NA	Solid	Total BTEX	
880-17512-13	S-4 (1.5')	Total/NA	Solid	Total BTEX	
880-17512-14	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-17512-15	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-17512-16	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-17512-17	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 31323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17512-1	S-1 (0-0.5')	Total/NA	Solid	5035	
880-17512-2	S-1 (1')	Total/NA	Solid	5035	
880-17512-3	S-1 (1.5')	Total/NA	Solid	5035	
MB 880-31323/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-31323/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-31323/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-17607-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-17607-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 31375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17512-1	S-1 (0-0.5')	Total/NA	Solid	8021B	31323
880-17512-2	S-1 (1')	Total/NA	Solid	8021B	31323
880-17512-3	S-1 (1.5')	Total/NA	Solid	8021B	31323
MB 880-31323/5-A	Method Blank	Total/NA	Solid	8021B	31323
LCS 880-31323/1-A	Lab Control Sample	Total/NA	Solid	8021B	31323
LCSD 880-31323/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	31323
880-17607-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	31323
880-17607-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	31323

GC Semi VOA

Prep Batch: 31013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17512-16	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-17512-17	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-31013/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-31013/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-31013/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-17511-A-1-H MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-17511-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 31049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17512-16	H-3 (0-0.5')	Total/NA	Solid	8015B NM	31013
880-17512-17	H-4 (0-0.5')	Total/NA	Solid	8015B NM	31013
MB 880-31013/1-A	Method Blank	Total/NA	Solid	8015B NM	31013
LCS 880-31013/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	31013
LCSD 880-31013/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	31013
880-17511-A-1-H MS	Matrix Spike	Total/NA	Solid	8015B NM	31013
880-17511-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	31013

Analysis Batch: 31118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17512-1	S-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-17512-2	S-1 (1')	Total/NA	Solid	8015 NM	
880-17512-3	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-17512-4	S-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-17512-5	S-2 (1')	Total/NA	Solid	8015 NM	
880-17512-6	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-17512-7	S-2 (2')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-17512-1

Project/Site: Flying Squirrel Federal #1H (04.28.22)

SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 31118 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17512-8	S-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-17512-9	S-3 (1')	Total/NA	Solid	8015 NM	
880-17512-10	S-3 (1.5')	Total/NA	Solid	8015 NM	
880-17512-11	S-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-17512-12	S-4 (1')	Total/NA	Solid	8015 NM	
880-17512-13	S-4 (1.5')	Total/NA	Solid	8015 NM	
880-17512-14	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-17512-15	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-17512-16	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-17512-17	H-4 (0-0.5')	Total/NA	Solid	8015 NM	

Analysis Batch: 31144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17512-1	S-1 (0-0.5')	Total/NA	Solid	8015B NM	31151
880-17512-2	S-1 (1')	Total/NA	Solid	8015B NM	31151
880-17512-3	S-1 (1.5')	Total/NA	Solid	8015B NM	31151
880-17512-4	S-2 (0-0.5')	Total/NA	Solid	8015B NM	31151
880-17512-5	S-2 (1')	Total/NA	Solid	8015B NM	31151
880-17512-6	S-2 (1.5')	Total/NA	Solid	8015B NM	31151
880-17512-7	S-2 (2')	Total/NA	Solid	8015B NM	31151
MB 880-31151/1-A	Method Blank	Total/NA	Solid	8015B NM	31151
LCS 880-31151/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	31151
LCSD 880-31151/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	31151
890-2687-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	31151
890-2687-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	31151

Analysis Batch: 31146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17512-8	S-3 (0-0.5')	Total/NA	Solid	8015B NM	31153
880-17512-9	S-3 (1')	Total/NA	Solid	8015B NM	31153
880-17512-10	S-3 (1.5')	Total/NA	Solid	8015B NM	31153
880-17512-11	S-4 (0-0.5')	Total/NA	Solid	8015B NM	31153
880-17512-12	S-4 (1')	Total/NA	Solid	8015B NM	31153
880-17512-13	S-4 (1.5')	Total/NA	Solid	8015B NM	31153
880-17512-14	H-1 (0-0.5')	Total/NA	Solid	8015B NM	31153
880-17512-15	H-2 (0-0.5')	Total/NA	Solid	8015B NM	31153
MB 880-31153/1-A	Method Blank	Total/NA	Solid	8015B NM	31153
LCS 880-31153/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	31153
LCSD 880-31153/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	31153
890-2688-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	31153
890-2688-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	31153

Prep Batch: 31151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17512-1	S-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-17512-2	S-1 (1')	Total/NA	Solid	8015NM Prep	
880-17512-3	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-17512-4	S-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-17512-5	S-2 (1')	Total/NA	Solid	8015NM Prep	
880-17512-6	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-17512-7	S-2 (2')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Prep Batch: 31151 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-31151/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-31151/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-31151/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2687-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2687-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 31153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17512-8	S-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-17512-9	S-3 (1')	Total/NA	Solid	8015NM Prep	
880-17512-10	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-17512-11	S-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-17512-12	S-4 (1')	Total/NA	Solid	8015NM Prep	
880-17512-13	S-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-17512-14	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-17512-15	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-31153/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-31153/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-31153/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2688-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2688-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 31006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17512-1	S-1 (0-0.5')	Soluble	Solid	DI Leach	
880-17512-2	S-1 (1')	Soluble	Solid	DI Leach	
880-17512-3	S-1 (1.5')	Soluble	Solid	DI Leach	
880-17512-4	S-2 (0-0.5')	Soluble	Solid	DI Leach	
880-17512-5	S-2 (1')	Soluble	Solid	DI Leach	
880-17512-6	S-2 (1.5')	Soluble	Solid	DI Leach	
880-17512-7	S-2 (2')	Soluble	Solid	DI Leach	
880-17512-8	S-3 (0-0.5')	Soluble	Solid	DI Leach	
880-17512-9	S-3 (1')	Soluble	Solid	DI Leach	
880-17512-10	S-3 (1.5')	Soluble	Solid	DI Leach	
880-17512-11	S-4 (0-0.5')	Soluble	Solid	DI Leach	
880-17512-12	S-4 (1')	Soluble	Solid	DI Leach	
880-17512-13	S-4 (1.5')	Soluble	Solid	DI Leach	
880-17512-14	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-17512-15	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-17512-16	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-17512-17	H-4 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-31006/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-31006/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-31006/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-17512-1 MS	S-1 (0-0.5')	Soluble	Solid	DI Leach	
880-17512-1 MSD	S-1 (0-0.5')	Soluble	Solid	DI Leach	
880-17512-11 MS	S-4 (0-0.5')	Soluble	Solid	DI Leach	
880-17512-11 MSD	S-4 (0-0.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

HPLC/IC

Analysis Batch: 31304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17512-1	S-1 (0-0.5')	Soluble	Solid	300.0	31006
880-17512-2	S-1 (1')	Soluble	Solid	300.0	31006
880-17512-3	S-1 (1.5')	Soluble	Solid	300.0	31006
880-17512-4	S-2 (0-0.5')	Soluble	Solid	300.0	31006
880-17512-5	S-2 (1')	Soluble	Solid	300.0	31006
880-17512-6	S-2 (1.5')	Soluble	Solid	300.0	31006
880-17512-7	S-2 (2')	Soluble	Solid	300.0	31006
880-17512-8	S-3 (0-0.5')	Soluble	Solid	300.0	31006
880-17512-9	S-3 (1')	Soluble	Solid	300.0	31006
880-17512-10	S-3 (1.5')	Soluble	Solid	300.0	31006
880-17512-11	S-4 (0-0.5')	Soluble	Solid	300.0	31006
880-17512-12	S-4 (1')	Soluble	Solid	300.0	31006
880-17512-13	S-4 (1.5')	Soluble	Solid	300.0	31006
880-17512-14	H-1 (0-0.5')	Soluble	Solid	300.0	31006
880-17512-15	H-2 (0-0.5')	Soluble	Solid	300.0	31006
880-17512-16	H-3 (0-0.5')	Soluble	Solid	300.0	31006
880-17512-17	H-4 (0-0.5')	Soluble	Solid	300.0	31006
MB 880-31006/1-A	Method Blank	Soluble	Solid	300.0	31006
LCS 880-31006/2-A	Lab Control Sample	Soluble	Solid	300.0	31006
LCSD 880-31006/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	31006
880-17512-1 MS	S-1 (0-0.5')	Soluble	Solid	300.0	31006
880-17512-1 MSD	S-1 (0-0.5')	Soluble	Solid	300.0	31006
880-17512-11 MS	S-4 (0-0.5')	Soluble	Solid	300.0	31006
880-17512-11 MSD	S-4 (0-0.5')	Soluble	Solid	300.0	31006

Lab Chronicle

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17512-1

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 10:45

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	31323	08/02/22 13:15	MR	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	31375	08/03/22 13:31	MR	XEN MID
Total/NA	Prep	5035			5.01 g	5 mL	31023	07/29/22 14:53	MR	XEN MID
Total/NA	Analysis	8021B		1			31193	08/02/22 07:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			31321	08/02/22 12:48	SM	XEN MID
Total/NA	Analysis	8015 NM		1			31118	07/31/22 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	31151	08/01/22 08:56	DM	XEN MID
Total/NA	Analysis	8015B NM		5			31144	08/01/22 17:23	SM	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	31006	07/29/22 11:42	SMC	XEN MID
Soluble	Analysis	300.0		1			31304	08/03/22 05:29	CH	XEN MID

Client Sample ID: S-1 (1')

Lab Sample ID: 880-17512-2

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 10:45

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	31323	08/02/22 13:15	MR	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	31375	08/03/22 13:52	MR	XEN MID
Total/NA	Prep	5035			4.99 g	5 mL	31023	07/29/22 14:53	MR	XEN MID
Total/NA	Analysis	8021B		1			31193	08/02/22 07:27	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			31321	08/02/22 12:48	SM	XEN MID
Total/NA	Analysis	8015 NM		1			31118	07/31/22 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	31151	08/01/22 08:56	DM	XEN MID
Total/NA	Analysis	8015B NM		5			31144	08/01/22 17:45	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	31006	07/29/22 11:42	SMC	XEN MID
Soluble	Analysis	300.0		1			31304	08/03/22 05:57	CH	XEN MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-17512-3

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 10:45

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	31323	08/02/22 13:15	MR	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	31375	08/03/22 14:12	MR	XEN MID
Total/NA	Prep	5035			5.01 g	5 mL	31023	07/29/22 14:53	MR	XEN MID
Total/NA	Analysis	8021B		1			31193	08/02/22 07:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			31321	08/02/22 12:48	SM	XEN MID
Total/NA	Analysis	8015 NM		1			31118	07/31/22 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	31151	08/01/22 08:56	DM	XEN MID
Total/NA	Analysis	8015B NM		5			31144	08/01/22 18:06	SM	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	31006	07/29/22 11:42	SMC	XEN MID
Soluble	Analysis	300.0		1			31304	08/03/22 06:06	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-17512-4

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 10:45

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	31290	08/02/22 09:44	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31253	08/02/22 15:18	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			31321	08/02/22 12:48	SM	XEN MID
Total/NA	Analysis	8015 NM		1			31118	07/31/22 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	31151	08/01/22 08:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			31144	08/01/22 18:28	SM	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	31006	07/29/22 11:42	SMC	XEN MID
Soluble	Analysis	300.0		1			31304	08/03/22 06:15	CH	XEN MID

Client Sample ID: S-2 (1')

Lab Sample ID: 880-17512-5

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	31023	07/29/22 14:53	MR	XEN MID
Total/NA	Analysis	8021B		1			31193	08/02/22 09:03	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			31321	08/02/22 12:48	SM	XEN MID
Total/NA	Analysis	8015 NM		1			31118	07/31/22 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	31151	08/01/22 08:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			31144	08/01/22 18:49	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	31006	07/29/22 11:42	SMC	XEN MID
Soluble	Analysis	300.0		1			31304	08/03/22 06:25	CH	XEN MID

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-17512-6

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 10:45

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	31023	07/29/22 14:53	MR	XEN MID
Total/NA	Analysis	8021B		1			31193	08/02/22 09:30	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			31321	08/02/22 12:48	SM	XEN MID
Total/NA	Analysis	8015 NM		1			31118	07/31/22 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	31151	08/01/22 08:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			31144	08/01/22 19:11	SM	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	31006	07/29/22 11:42	SMC	XEN MID
Soluble	Analysis	300.0		1			31304	08/03/22 06:52	CH	XEN MID

Client Sample ID: S-2 (2')

Lab Sample ID: 880-17512-7

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 10:45

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	31023	07/29/22 14:53	MR	XEN MID
Total/NA	Analysis	8021B		1			31193	08/02/22 09:56	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			31321	08/02/22 12:48	SM	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (2')

Lab Sample ID: 880-17512-7

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 10:45

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			31118	07/31/22 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	31151	08/01/22 08:56	DM	XEN MID
Total/NA	Analysis	8015B NM		1			31144	08/01/22 19:33	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	31006	07/29/22 11:42	SMC	XEN MID
Soluble	Analysis	300.0		1			31304	08/03/22 07:01	CH	XEN MID

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

Lab Sample ID: 880-17512-8

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 10:45

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	31023	07/29/22 14:53	MR	XEN MID
Total/NA	Analysis	8021B		1			31193	08/02/22 10:22	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			31321	08/02/22 12:48	SM	XEN MID
Total/NA	Analysis	8015 NM		1			31118	07/31/22 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	31153	08/01/22 09:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			31146	08/01/22 17:02	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	31006	07/29/22 11:42	SMC	XEN MID
Soluble	Analysis	300.0		1			31304	08/03/22 07:11	CH	XEN MID

Client Sample ID: S-3 (1')

Lab Sample ID: 880-17512-9

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 10:45

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	31023	07/29/22 14:53	MR	XEN MID
Total/NA	Analysis	8021B		1			31193	08/02/22 10:49	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			31321	08/02/22 12:48	SM	XEN MID
Total/NA	Analysis	8015 NM		1			31118	07/31/22 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	31153	08/01/22 09:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			31146	08/01/22 17:23	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	31006	07/29/22 11:42	SMC	XEN MID
Soluble	Analysis	300.0		1			31304	08/03/22 07:20	CH	XEN MID

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-17512-10

Date Collected: 07/28/22 00:00

Matrix: Solid

Date Received: 07/29/22 10:45

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	31023	07/29/22 14:53	MR	XEN MID
Total/NA	Analysis	8021B		1			31193	08/02/22 11:15	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			31321	08/02/22 12:48	SM	XEN MID
Total/NA	Analysis	8015 NM		1			31118	07/31/22 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	31153	08/01/22 09:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			31146	08/01/22 17:45	SM	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

Client Sample ID: S-3 (1.5')

Date Collected: 07/28/22 00:00

Date Received: 07/29/22 10:45

Lab Sample ID: 880-17512-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	31006	07/29/22 11:42	SMC	XEN MID
Soluble	Analysis	300.0		1			31304	08/03/22 07:29	CH	XEN MID

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

Date Collected: 07/28/22 00:00

Date Received: 07/29/22 10:45

Lab Sample ID: 880-17512-11

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			5.01 g	5 mL	31023	07/29/22 14:53	MR	XEN MID
Total/NA	Analysis	8021B		1			31193	08/02/22 14:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			31321	08/02/22 12:48	SM	XEN MID
Total/NA	Analysis	8015 NM		1			31118	07/31/22 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	31153	08/01/22 09:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			31146	08/01/22 18:06	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	31006	07/29/22 11:42	SMC	XEN MID
Soluble	Analysis	300.0		1			31304	08/03/22 07:38	CH	XEN MID

Client Sample ID: S-4 (1')

Date Collected: 07/28/22 00:00

Date Received: 07/29/22 10:45

Lab Sample ID: 880-17512-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	31023	07/29/22 14:53	MR	XEN MID
Total/NA	Analysis	8021B		1			31193	08/02/22 14:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			31321	08/02/22 12:48	SM	XEN MID
Total/NA	Analysis	8015 NM		1			31118	07/31/22 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	31153	08/01/22 09:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			31146	08/01/22 18:28	SM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	31006	07/29/22 11:42	SMC	XEN MID
Soluble	Analysis	300.0		1			31304	08/03/22 08:06	CH	XEN MID

Client Sample ID: S-4 (1.5')

Date Collected: 07/28/22 00:00

Date Received: 07/29/22 10:45

Lab Sample ID: 880-17512-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	31023	07/29/22 14:53	MR	XEN MID
Total/NA	Analysis	8021B		1			31193	08/02/22 15:11	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			31321	08/02/22 12:48	SM	XEN MID
Total/NA	Analysis	8015 NM		1			31118	07/31/22 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	31153	08/01/22 09:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			31146	08/01/22 18:49	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	31006	07/29/22 11:42	SMC	XEN MID
Soluble	Analysis	300.0		1			31304	08/03/22 08:15	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

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

Date Collected: 07/28/22 00:00

Date Received: 07/29/22 10:45

Lab Sample ID: 880-17512-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	31023	07/29/22 14:53	MR	XEN MID
Total/NA	Analysis	8021B		1			31193	08/02/22 15:37	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			31321	08/02/22 12:48	SM	XEN MID
Total/NA	Analysis	8015 NM		1			31118	07/31/22 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	31153	08/01/22 09:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			31146	08/01/22 19:11	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	31006	07/29/22 11:42	SMC	XEN MID
Soluble	Analysis	300.0		1			31304	08/03/22 09:11	CH	XEN MID

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

Date Collected: 07/28/22 00:00

Date Received: 07/29/22 10:45

Lab Sample ID: 880-17512-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	31023	07/29/22 14:53	MR	XEN MID
Total/NA	Analysis	8021B		1			31193	08/02/22 16:03	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			31321	08/02/22 12:48	SM	XEN MID
Total/NA	Analysis	8015 NM		1			31118	07/31/22 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	31153	08/01/22 09:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			31146	08/01/22 19:33	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	31006	07/29/22 11:42	SMC	XEN MID
Soluble	Analysis	300.0		1			31304	08/03/22 09:20	CH	XEN MID

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

Date Collected: 07/28/22 00:00

Date Received: 07/29/22 10:45

Lab Sample ID: 880-17512-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	31023	07/29/22 14:53	MR	XEN MID
Total/NA	Analysis	8021B		1			31193	08/02/22 16:29	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			31321	08/02/22 12:48	SM	XEN MID
Total/NA	Analysis	8015 NM		1			31118	07/31/22 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	31013	07/29/22 13:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			31049	07/31/22 04:25	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	31006	07/29/22 11:42	SMC	XEN MID
Soluble	Analysis	300.0		1			31304	08/03/22 09:29	CH	XEN MID

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

Date Collected: 07/28/22 00:00

Date Received: 07/29/22 10:45

Lab Sample ID: 880-17512-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	31023	07/29/22 14:53	MR	XEN MID
Total/NA	Analysis	8021B		1			31193	08/02/22 16:56	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			31321	08/02/22 12:48	SM	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

Client Sample ID: H-4 (0-0.5')
Date Collected: 07/28/22 00:00
Date Received: 07/29/22 10:45

Lab Sample ID: 880-17512-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			31118	07/31/22 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	31013	07/29/22 13:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			31049	07/31/22 04:46	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	31006	07/29/22 11:42	SMC	XEN MID
Soluble	Analysis	300.0		1			31304	08/03/22 09:38	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: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

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

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

Method Summary

Client: Carmona Resources
Project/Site: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
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: Flying Squirrel Federal #1H (04.28.22)

Job ID: 880-17512-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-17512-1	S-1 (0-0.5')	Solid	07/28/22 00:00	07/29/22 10:45
880-17512-2	S-1 (1')	Solid	07/28/22 00:00	07/29/22 10:45
880-17512-3	S-1 (1.5')	Solid	07/28/22 00:00	07/29/22 10:45
880-17512-4	S-2 (0-0.5')	Solid	07/28/22 00:00	07/29/22 10:45
880-17512-5	S-2 (1')	Solid	07/28/22 00:00	07/29/22 10:45
880-17512-6	S-2 (1.5')	Solid	07/28/22 00:00	07/29/22 10:45
880-17512-7	S-2 (2')	Solid	07/28/22 00:00	07/29/22 10:45
880-17512-8	S-3 (0-0.5')	Solid	07/28/22 00:00	07/29/22 10:45
880-17512-9	S-3 (1')	Solid	07/28/22 00:00	07/29/22 10:45
880-17512-10	S-3 (1.5')	Solid	07/28/22 00:00	07/29/22 10:45
880-17512-11	S-4 (0-0.5')	Solid	07/28/22 00:00	07/29/22 10:45
880-17512-12	S-4 (1')	Solid	07/28/22 00:00	07/29/22 10:45
880-17512-13	S-4 (1.5')	Solid	07/28/22 00:00	07/29/22 10:45
880-17512-14	H-1 (0-0.5')	Solid	07/28/22 00:00	07/29/22 10:45
880-17512-15	H-2 (0-0.5')	Solid	07/28/22 00:00	07/29/22 10:45
880-17512-16	H-3 (0-0.5')	Solid	07/28/22 00:00	07/29/22 10:45
880-17512-17	H-4 (0-0.5')	Solid	07/28/22 00:00	07/29/22 10:45

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	jacqui.harris@conocophillips.com

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

Work Order No: 17512

[illegible]

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
<i>Bernard J. [illegible]</i>	7/29/22 1043	<i>[illegible]</i>	7/29/22
			184

Work Order No: 17512

Page 2 of 2

Project Manager: Conner Moehring		Bill to (if different): Jacqui Harris	
Company Name: Camrona 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: jacqui.harris@comocophilips.com	

Project Name: Flying Squirrel Federal #1H (04 28 22)		Turn Around: <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code	ANALYSIS REQUEST											
Project Number: 1106		Due Date: 4/8/23														
Project Location: Eddy Co. NM		TAT starts the day received by the lab, if received by 4:30pm														
Sampler's Name: CRM																
PO #:																

SAMPLE RECEIPT		Temp Blank: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Parameters													
Received Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID: 425		Correction Factor: 4.3		BTX 8021B													
Cooler Custody Seals: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Temperature Reading: 1.7		Corrected Temperature:		TPH 8015M (GRO + DRO + MRO)													
Sample Custody Seals: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>						Chloride 300 0													
Total Containers:																			

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST												Preservative Codes	Sample Comments
S-4 (0-0.5')	7/28/2022		X		G	1	X	X	X							DI Water H ₂ O				
S-4 (1')	7/28/2022		X		G	1	X	X	X							Cool Cool	MeOH Me			
S-4 (1.5')	7/28/2022		X		G	1	X	X	X							HCL HC	HNO ₃ HN			
H-1 (0-0.5')	7/28/2022		X		G	1	X	X	X							H ₂ SO ₄ H ₂	NaOH Na			
H-2 (0-0.5')	7/28/2022		X		G	1	X	X	X							H ₃ PO ₄ HP				
H-3 (0-0.5')	7/28/2022		X		G	1	X	X	X							NaHSO ₄ NABIS				
H-4 (0-0.5')	7/28/2022		X		G	1	X	X	X							Na ₂ S ₂ O ₃ NaSO ₃				
					G	1	X	X	X							Zn Acetate+NaOH Zn				
																NaOH+Ascorbic Acid SAPC				

Relinquished by (Signature): <i>Conner Moehring</i>		Date/Time: 7/24/22 1045		Received by (Signature): <i>[Signature]</i>		Date/Time: 7/29/22 1045	
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Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-17512-1

SDG Number: Eddy Co, NM

Login Number: 17512

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	



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

September 08, 2022

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: FLYING SQUIRREL FEDERAL #1H (4.28.22)

Enclosed are the results of analyses for samples received by the laboratory on 09/07/22 16:12.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	09/07/2022	Sampling Date:	09/07/2022
Reported:	09/08/2022	Sampling Type:	Soil
Project Name:	FLYING SQUIRREL FEDERAL #1H (4.28.2	Sampling Condition:	Cool & Intact
Project Number:	1106	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 1 (3') (H224104-01)

BTEX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/07/2022	ND	1.99	99.7	2.00	12.5	QM-07
Toluene*	<0.050	0.050	09/07/2022	ND	1.99	99.5	2.00	12.7	
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.96	98.0	2.00	12.8	
Total Xylenes*	<0.150	0.150	09/07/2022	ND	6.01	100	6.00	11.2	
Total BTEX	<0.300	0.300	09/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/08/2022	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/07/2022	ND	213	107	200	2.43	
DRO >C10-C28*	<10.0	10.0	09/07/2022	ND	204	102	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	09/07/2022	ND					

Surrogate: 1-Chlorooctane 80.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.6 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	09/07/2022	Sampling Date:	09/07/2022
Reported:	09/08/2022	Sampling Type:	Soil
Project Name:	FLYING SQUIRREL FEDERAL #1H (4.28.2	Sampling Condition:	Cool & Intact
Project Number:	1106	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 2 (3') (H224104-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/07/2022	ND	1.99	99.7	2.00	12.5		
Toluene*	<0.050	0.050	09/07/2022	ND	1.99	99.5	2.00	12.7		
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.96	98.0	2.00	12.8		
Total Xylenes*	<0.150	0.150	09/07/2022	ND	6.01	100	6.00	11.2		
Total BTEx	<0.300	0.300	09/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/08/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/07/2022	ND	213	107	200	2.43	
DRO >C10-C28*	<10.0	10.0	09/07/2022	ND	204	102	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	09/07/2022	ND					

Surrogate: 1-Chlorooctane 79.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	09/07/2022	Sampling Date:	09/07/2022
Reported:	09/08/2022	Sampling Type:	Soil
Project Name:	FLYING SQUIRREL FEDERAL #1H (4.28.2	Sampling Condition:	Cool & Intact
Project Number:	1106	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 3 (1') (H224104-03)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/07/2022	ND	1.99	99.7	2.00	12.5		
Toluene*	<0.050	0.050	09/07/2022	ND	1.99	99.5	2.00	12.7		
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.96	98.0	2.00	12.8		
Total Xylenes*	<0.150	0.150	09/07/2022	ND	6.01	100	6.00	11.2		
Total BTX	<0.300	0.300	09/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/08/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/07/2022	ND	213	107	200	2.43	
DRO >C10-C28*	82.0	10.0	09/07/2022	ND	204	102	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	09/07/2022	ND					

Surrogate: 1-Chlorooctane 80.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.9 % 46.3-178

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	09/07/2022	Sampling Date:	09/07/2022
Reported:	09/08/2022	Sampling Type:	Soil
Project Name:	FLYING SQUIRREL FEDERAL #1H (4.28.2	Sampling Condition:	Cool & Intact
Project Number:	1106	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 4 (1') (H224104-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/07/2022	ND	1.99	99.7	2.00	12.5		
Toluene*	<0.050	0.050	09/07/2022	ND	1.99	99.5	2.00	12.7		
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.96	98.0	2.00	12.8		
Total Xylenes*	<0.150	0.150	09/07/2022	ND	6.01	100	6.00	11.2		
Total BTX	<0.300	0.300	09/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/08/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/07/2022	ND	213	107	200	2.43	
DRO >C10-C28*	<10.0	10.0	09/07/2022	ND	204	102	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	09/07/2022	ND					

Surrogate: 1-Chlorooctane 100 % 45.3-161

Surrogate: 1-Chlorooctadecane 113 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	09/07/2022	Sampling Date:	09/07/2022
Reported:	09/08/2022	Sampling Type:	Soil
Project Name:	FLYING SQUIRREL FEDERAL #1H (4.28.2	Sampling Condition:	Cool & Intact
Project Number:	1106	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 5 (1') (H224104-05)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/07/2022	ND	1.99	99.7	2.00	12.5		
Toluene*	<0.050	0.050	09/07/2022	ND	1.99	99.5	2.00	12.7		
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.96	98.0	2.00	12.8		
Total Xylenes*	<0.150	0.150	09/07/2022	ND	6.01	100	6.00	11.2		
Total BTX	<0.300	0.300	09/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/08/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/07/2022	ND	213	107	200	2.43	
DRO >C10-C28*	<10.0	10.0	09/07/2022	ND	204	102	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	09/07/2022	ND					

Surrogate: 1-Chlorooctane 78.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.2 % 46.3-178

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Analytical Results For:

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

Received:	09/07/2022	Sampling Date:	09/07/2022
Reported:	09/08/2022	Sampling Type:	Soil
Project Name:	FLYING SQUIRREL FEDERAL #1H (4.28.2	Sampling Condition:	Cool & Intact
Project Number:	1106	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 6 (1') (H224104-06)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/07/2022	ND	1.99	99.7	2.00	12.5		
Toluene*	<0.050	0.050	09/07/2022	ND	1.99	99.5	2.00	12.7		
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.96	98.0	2.00	12.8		
Total Xylenes*	<0.150	0.150	09/07/2022	ND	6.01	100	6.00	11.2		
Total BTX	<0.300	0.300	09/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/08/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/07/2022	ND	213	107	200	2.43	
DRO >C10-C28*	<10.0	10.0	09/07/2022	ND	204	102	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	09/07/2022	ND					

Surrogate: 1-Chlorooctane 76.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.8 % 46.3-178

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Analytical Results For:

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

Received:	09/07/2022	Sampling Date:	09/07/2022
Reported:	09/08/2022	Sampling Type:	Soil
Project Name:	FLYING SQUIRREL FEDERAL #1H (4.28.2	Sampling Condition:	Cool & Intact
Project Number:	1106	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 7 (1') (H224104-07)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/07/2022	ND	1.99	99.7	2.00	12.5		
Toluene*	<0.050	0.050	09/07/2022	ND	1.99	99.5	2.00	12.7		
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.96	98.0	2.00	12.8		
Total Xylenes*	<0.150	0.150	09/07/2022	ND	6.01	100	6.00	11.2		
Total BTX	<0.300	0.300	09/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/08/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/07/2022	ND	213	107	200	2.43	
DRO >C10-C28*	<10.0	10.0	09/07/2022	ND	204	102	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	09/07/2022	ND					

Surrogate: 1-Chlorooctane 74.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.3 % 46.3-178

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Analytical Results For:

CARMONA RESOURCES
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 MIDLAND TX, 79701
 Fax To:

Received:	09/07/2022	Sampling Date:	09/07/2022
Reported:	09/08/2022	Sampling Type:	Soil
Project Name:	FLYING SQUIRREL FEDERAL #1H (4.28.2	Sampling Condition:	Cool & Intact
Project Number:	1106	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 8 (1') (H224104-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/07/2022	ND	1.99	99.7	2.00	12.5		
Toluene*	<0.050	0.050	09/07/2022	ND	1.99	99.5	2.00	12.7		
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.96	98.0	2.00	12.8		
Total Xylenes*	<0.150	0.150	09/07/2022	ND	6.01	100	6.00	11.2		
Total BTEx	<0.300	0.300	09/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/08/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/07/2022	ND	213	107	200	2.43	
DRO >C10-C28*	<10.0	10.0	09/07/2022	ND	204	102	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	09/07/2022	ND					

Surrogate: 1-Chlorooctane 75.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.4 % 46.3-178

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Analytical Results For:

CARMONA RESOURCES
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 MIDLAND TX, 79701
 Fax To:

Received:	09/07/2022	Sampling Date:	09/07/2022
Reported:	09/08/2022	Sampling Type:	Soil
Project Name:	FLYING SQUIRREL FEDERAL #1H (4.28.2	Sampling Condition:	Cool & Intact
Project Number:	1106	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 9 (1') (H224104-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/07/2022	ND	1.99	99.7	2.00	12.5		
Toluene*	<0.050	0.050	09/07/2022	ND	1.99	99.5	2.00	12.7		
Ethylbenzene*	<0.050	0.050	09/07/2022	ND	1.96	98.0	2.00	12.8		
Total Xylenes*	<0.150	0.150	09/07/2022	ND	6.01	100	6.00	11.2		
Total BTEx	<0.300	0.300	09/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/08/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2022	ND	213	107	200	2.43	
DRO >C10-C28*	<10.0	10.0	09/08/2022	ND	204	102	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	09/08/2022	ND					

Surrogate: 1-Chlorooctane 77.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.4 % 46.3-178

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Analytical Results For:

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

Received:	09/07/2022	Sampling Date:	09/07/2022
Reported:	09/08/2022	Sampling Type:	Soil
Project Name:	FLYING SQUIRREL FEDERAL #1H (4.28.2	Sampling Condition:	Cool & Intact
Project Number:	1106	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 10 (1') (H224104-10)

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2022	ND	1.99	99.7	2.00	12.5	
Toluene*	<0.050	0.050	09/08/2022	ND	1.99	99.5	2.00	12.7	
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	1.96	98.0	2.00	12.8	
Total Xylenes*	<0.150	0.150	09/08/2022	ND	6.01	100	6.00	11.2	
Total BTX	<0.300	0.300	09/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/08/2022	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2022	ND	213	107	200	2.43	
DRO >C10-C28*	38.1	10.0	09/08/2022	ND	204	102	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	09/08/2022	ND					

Surrogate: 1-Chlorooctane 75.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.0 % 46.3-178

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Analytical Results For:

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

Received:	09/07/2022	Sampling Date:	09/07/2022
Reported:	09/08/2022	Sampling Type:	Soil
Project Name:	FLYING SQUIRREL FEDERAL #1H (4.28.2	Sampling Condition:	Cool & Intact
Project Number:	1106	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 11 (1') (H224104-11)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	1.99	99.7	2.00	12.5		
Toluene*	<0.050	0.050	09/08/2022	ND	1.99	99.5	2.00	12.7		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	1.96	98.0	2.00	12.8		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	6.01	100	6.00	11.2		
Total BTX	<0.300	0.300	09/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/08/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2022	ND	213	107	200	2.43	
DRO >C10-C28*	<10.0	10.0	09/08/2022	ND	204	102	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	09/08/2022	ND					

Surrogate: 1-Chlorooctane 80.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.6 % 46.3-178

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Analytical Results For:

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

Received:	09/07/2022	Sampling Date:	09/07/2022
Reported:	09/08/2022	Sampling Type:	Soil
Project Name:	FLYING SQUIRREL FEDERAL #1H (4.28.2	Sampling Condition:	Cool & Intact
Project Number:	1106	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 12 (1') (H224104-12)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	1.99	99.7	2.00	12.5		
Toluene*	<0.050	0.050	09/08/2022	ND	1.99	99.5	2.00	12.7		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	1.96	98.0	2.00	12.8		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	6.01	100	6.00	11.2		
Total BTX	<0.300	0.300	09/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/08/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2022	ND	213	107	200	2.43	
DRO >C10-C28*	<10.0	10.0	09/08/2022	ND	204	102	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	09/08/2022	ND					

Surrogate: 1-Chlorooctane 79.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.0 % 46.3-178

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Analytical Results For:

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

Received:	09/07/2022	Sampling Date:	09/07/2022
Reported:	09/08/2022	Sampling Type:	Soil
Project Name:	FLYING SQUIRREL FEDERAL #1H (4.28.2	Sampling Condition:	Cool & Intact
Project Number:	1106	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 1 (3') (H224104-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	1.99	99.7	2.00	12.5		
Toluene*	<0.050	0.050	09/08/2022	ND	1.99	99.5	2.00	12.7		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	1.96	98.0	2.00	12.8		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	6.01	100	6.00	11.2		
Total BTEx	<0.300	0.300	09/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/08/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2022	ND	213	107	200	2.43	
DRO >C10-C28*	<10.0	10.0	09/08/2022	ND	204	102	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	09/08/2022	ND					

Surrogate: 1-Chlorooctane 72.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 80.6 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	09/07/2022	Sampling Date:	09/07/2022
Reported:	09/08/2022	Sampling Type:	Soil
Project Name:	FLYING SQUIRREL FEDERAL #1H (4.28.2	Sampling Condition:	Cool & Intact
Project Number:	1106	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 2 (3') (H224104-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	1.99	99.7	2.00	12.5		
Toluene*	<0.050	0.050	09/08/2022	ND	1.99	99.5	2.00	12.7		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	1.96	98.0	2.00	12.8		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	6.01	100	6.00	11.2		
Total BTEx	<0.300	0.300	09/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/08/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2022	ND	213	107	200	2.43	
DRO >C10-C28*	<10.0	10.0	09/08/2022	ND	204	102	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	09/08/2022	ND					

Surrogate: 1-Chlorooctane 74.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	09/07/2022	Sampling Date:	09/07/2022
Reported:	09/08/2022	Sampling Type:	Soil
Project Name:	FLYING SQUIRREL FEDERAL #1H (4.28.2	Sampling Condition:	Cool & Intact
Project Number:	1106	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 3 (3') (H224104-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	1.99	99.7	2.00	12.5		
Toluene*	<0.050	0.050	09/08/2022	ND	1.99	99.5	2.00	12.7		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	1.96	98.0	2.00	12.8		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	6.01	100	6.00	11.2		
Total BTEx	<0.300	0.300	09/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/08/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2022	ND	213	107	200	2.43	
DRO >C10-C28*	<10.0	10.0	09/08/2022	ND	204	102	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	09/08/2022	ND					

Surrogate: 1-Chlorooctane 75.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.6 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	09/07/2022	Sampling Date:	09/07/2022
Reported:	09/08/2022	Sampling Type:	Soil
Project Name:	FLYING SQUIRREL FEDERAL #1H (4.28.2	Sampling Condition:	Cool & Intact
Project Number:	1106	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 4 (1') (H224104-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	1.99	99.7	2.00	12.5		
Toluene*	<0.050	0.050	09/08/2022	ND	1.99	99.5	2.00	12.7		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	1.96	98.0	2.00	12.8		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	6.01	100	6.00	11.2		
Total BTEx	<0.300	0.300	09/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/08/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2022	ND	213	107	200	2.43	
DRO >C10-C28*	<10.0	10.0	09/08/2022	ND	204	102	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	09/08/2022	ND					

Surrogate: 1-Chlorooctane 76.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.6 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	09/07/2022	Sampling Date:	09/07/2022
Reported:	09/08/2022	Sampling Type:	Soil
Project Name:	FLYING SQUIRREL FEDERAL #1H (4.28.2	Sampling Condition:	Cool & Intact
Project Number:	1106	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 5 (1') (H224104-17)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	1.99	99.7	2.00	12.5		
Toluene*	<0.050	0.050	09/08/2022	ND	1.99	99.5	2.00	12.7		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	1.96	98.0	2.00	12.8		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	6.01	100	6.00	11.2		
Total BTX	<0.300	0.300	09/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/08/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2022	ND	213	107	200	2.43	
DRO >C10-C28*	<10.0	10.0	09/08/2022	ND	204	102	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	09/08/2022	ND					

Surrogate: 1-Chlorooctane 76.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.0 % 46.3-178

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Analytical Results For:

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

Received:	09/07/2022	Sampling Date:	09/07/2022
Reported:	09/08/2022	Sampling Type:	Soil
Project Name:	FLYING SQUIRREL FEDERAL #1H (4.28.2	Sampling Condition:	Cool & Intact
Project Number:	1106	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 6 (1') (H224104-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/08/2022	ND	1.99	99.7	2.00	12.5		
Toluene*	<0.050	0.050	09/08/2022	ND	1.99	99.5	2.00	12.7		
Ethylbenzene*	<0.050	0.050	09/08/2022	ND	1.96	98.0	2.00	12.8		
Total Xylenes*	<0.150	0.150	09/08/2022	ND	6.01	100	6.00	11.2		
Total BTEx	<0.300	0.300	09/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/08/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2022	ND	213	107	200	2.43	
DRO >C10-C28*	<10.0	10.0	09/08/2022	ND	204	102	200	5.38	
EXT DRO >C28-C36	<10.0	10.0	09/08/2022	ND					

Surrogate: 1-Chlorooctane 73.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.8 % 46.3-178

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No:

H224104

Page 1 of 2

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: jacqui.harris@comocphillips.com			

Project Name: Flying Squirrel Federal #1H (04.28.22)		Turn Around		Pres. Code	
Project Number: 1106		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush			
Project Location: Eddy Co, NM		Due Date: 24 hour			
Sampler's Name: CCM		TAT starts the day received by the lab, if received by 4:30pm			
PO #:					

SAMPLE RECEIPT		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		N/A		Correction Factor:		-0.6°C					
Cooler Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		N/A		Temperature Reading:		6.2°C					
Sample Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		N/A		Corrected Temperature:		5.7°C					
Total Containers:													

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST												Preservative Codes		Sample Comments
CS-1 (3)	9/7/2022		X		Comp	1	X	X	X									None: NO	DI Water: H ₂ O		
CS-2 (3)	9/7/2022		X		Comp	1	X	X	X									Cool: Cool	MeOH: Me		
CS-3 (1)	9/7/2022		X		Comp	1	X	X	X									HCL: HC	HNO ₃ : HN		
CS-4 (1)	9/7/2022		X		Comp	1	X	X	X									H ₂ SO ₄ : H ₂	NaOH: Na		
CS-5 (1)	9/7/2022		X		Comp	1	X	X	X									H ₃ PO ₄ : HP			
CS-6 (1)	9/7/2022		X		Comp	1	X	X	X									NaHSO ₄ : NABIS			
CS-7 (1)	9/7/2022		X		Comp	1	X	X	X									Na ₂ S ₂ O ₃ : NaSO ₃			
CS-8 (1)	9/7/2022		X		Comp	1	X	X	X									Zn Acetate+NaOH: Zn			
CS-9 (1)	9/7/2022		X		Comp	1	X	X	X									NaOH+Ascorbic Acid: SACP			
CS-10 (1)	9/7/2022		X		Comp	1	X	X	X												

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
						9-7-22 1412	

Chain of Custody

Work Order No:

4224104

Page 2 of 2

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:	jacqui.harris@conocophillips.com

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

Project Name: Flying Squirrel Federal #1H (04.28.22)		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number: 1106	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Due Date: 24 hour	TAT starts the day received by the lab, if received by 4:30pm														None: NO	DI Water: H ₂ O	
Project Location	Eddy Co, NM																Cool: Cool	MeOH: Me	
Sampler's Name:	GRM CCM																HCL: HC	HNO ₃ : HN	
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT		Temp Blank: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Thermometer ID: 113													H ₃ PO ₄ : HP		
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor: -0.62	Temperature Reading: 6.22	Corrected Temperature: 5.72													NaHSO ₄ : NABIS		
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																Na ₂ S ₂ O ₃ : NaSO ₃		
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																Zn Acetate+NaOH: Zn		
Total Containers:																	NaOH+Ascorbic Acid: SPC		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments
CS-11 (1')	9/7/2022		X		Comp	1	X	X	X										
CS-12 (1')	9/7/2022		X		Comp	1	X	X	X										
SW-1 (3')	9/7/2022		X		Comp	1	X	X	X										
SW-2 (3')	9/7/2022		X		Comp	1	X	X	X										
SW-3 (3')	9/7/2022		X		Comp	1	X	X	X										
SW-4 (1')	9/7/2022		X		Comp	1	X	X	X										
SW-5 (1')	9/7/2022		X		Comp	1	X	X	X										
SW-6 (1')	9/7/2022		X		Comp	1	X	X	X										

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			9-7-22 1612

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 146430

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 146430
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	11/22/2022