

CARMONA RESOURCES



SITE INFORMATION

Closure Report
SRO State Com 18H (08.08.22)
Eddy County, New Mexico
Incident ID: NAPP2223750058
Unit A Sec 17 T26S R28E
32.0487°, -104.1024°

Crude Oil Release
Point of Release: Flare
Release Date: 08/08/2022
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

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October 11, 2022

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

**Re: Closure Report
SRO State Com 18H (08.08.22)
Concho Operating, LLC
Site Location: Unit A, S17, T26S, R28E
(Lat 32.0487°, Long -104.1024°)
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 32.0487, -104.1024 within Unit A, S17, T26S, R28E, 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 August 08, 2022, due to a malfunctioning kill switch which resulted in a flare fire. It released approximately 1 barrel of crude oil, and 0 barrels were recovered. The impacted area occurred on the pad and measured about 43' x 25', 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 medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, one known water source is located within a 0.50-mile radius of the location. The well is approximately 0.50 miles South of the site in S18, T26S, R28E and was drilled in 1998. The well has a reported depth to groundwater of 16.35' 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 September 12, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of three (3) sample points (S-1, S-2, and S-3) 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 and Refer to Table 1.

5.0 Remediation Activities

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via email on September 28, 2022, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The area of S-1 through S-2 was excavated to a depth of 2.5' below the surface, and the area of S-3 was excavated to a depth of 3.0' below the surface to remove all the impacted soils. A total of nine (9) confirmation floor samples were collected (CS-1 through CS-9), and five (5) sidewall samples (SW-1 through SW-5) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. 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 140 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

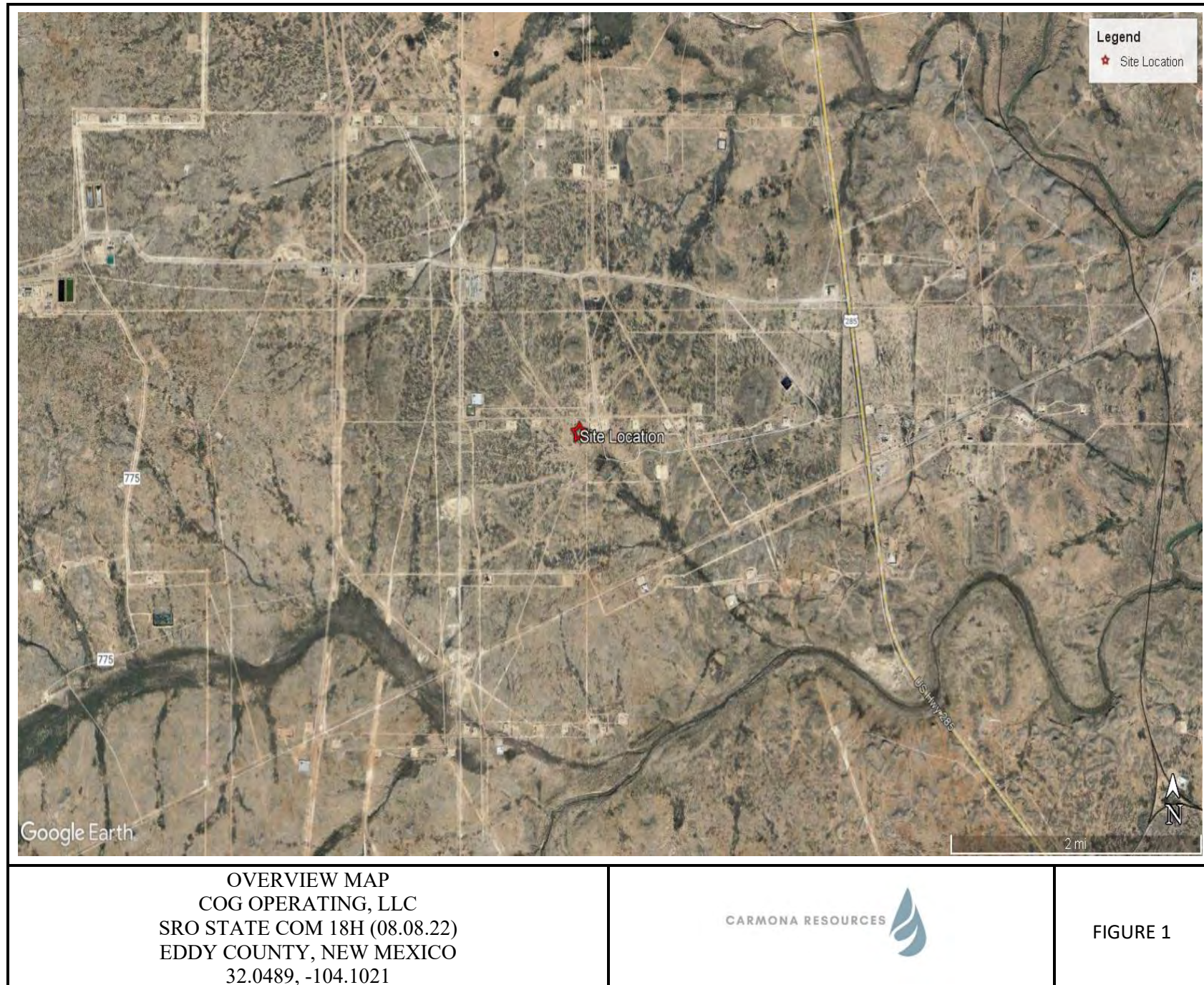
Mike Carmona
Environmental Manager

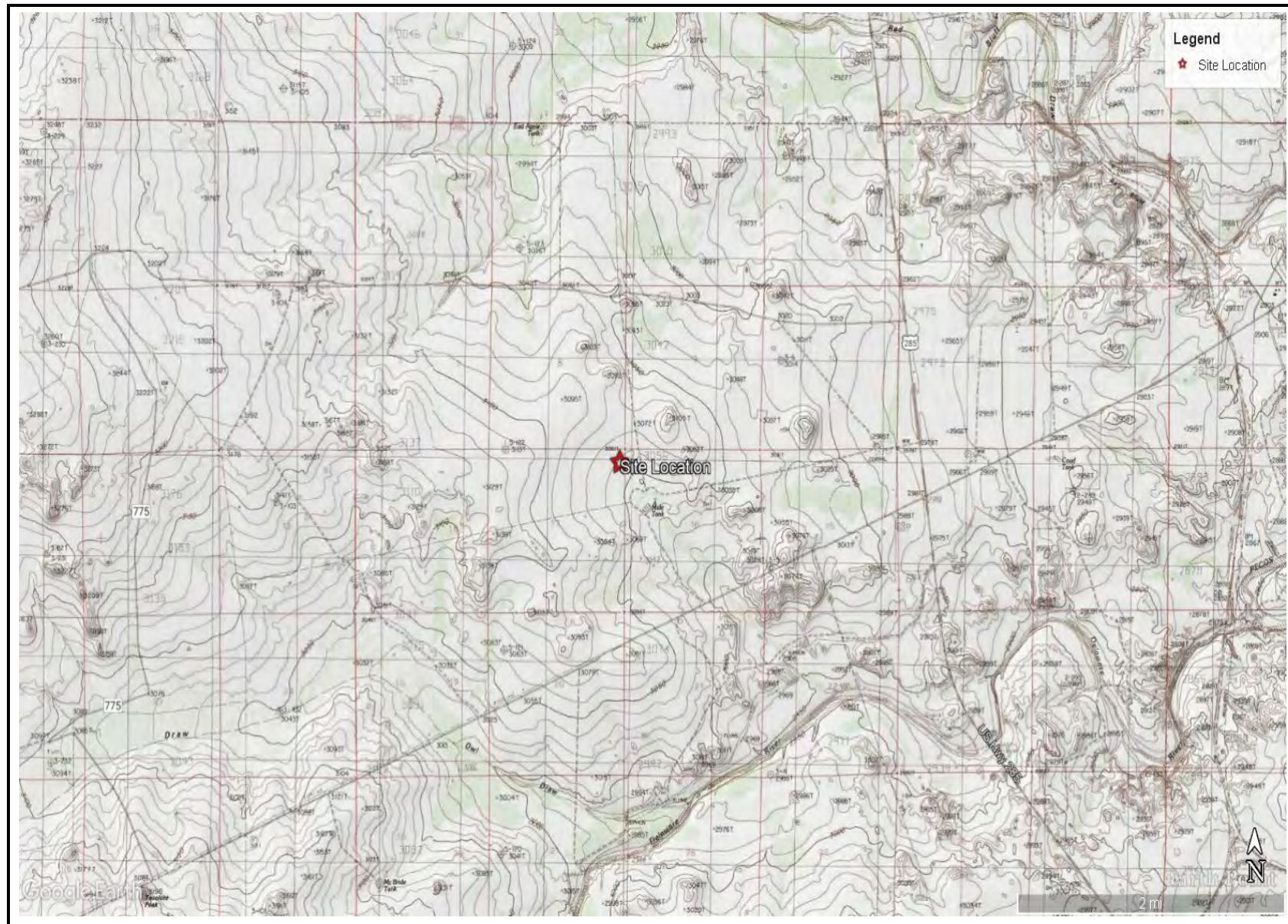
Conner Moehring
Sr. Project Manager

FIGURES

CARMONA RESOURCES



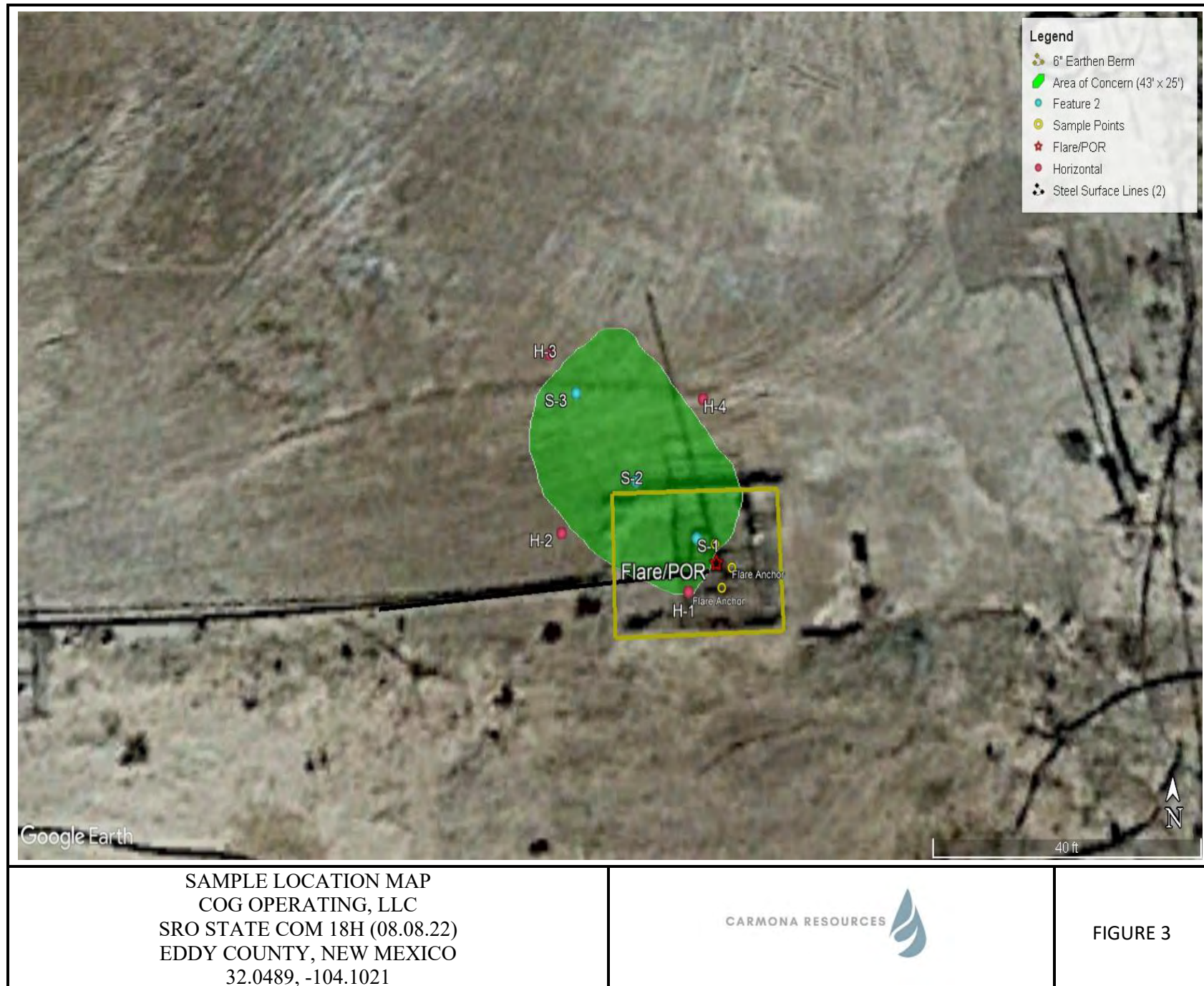


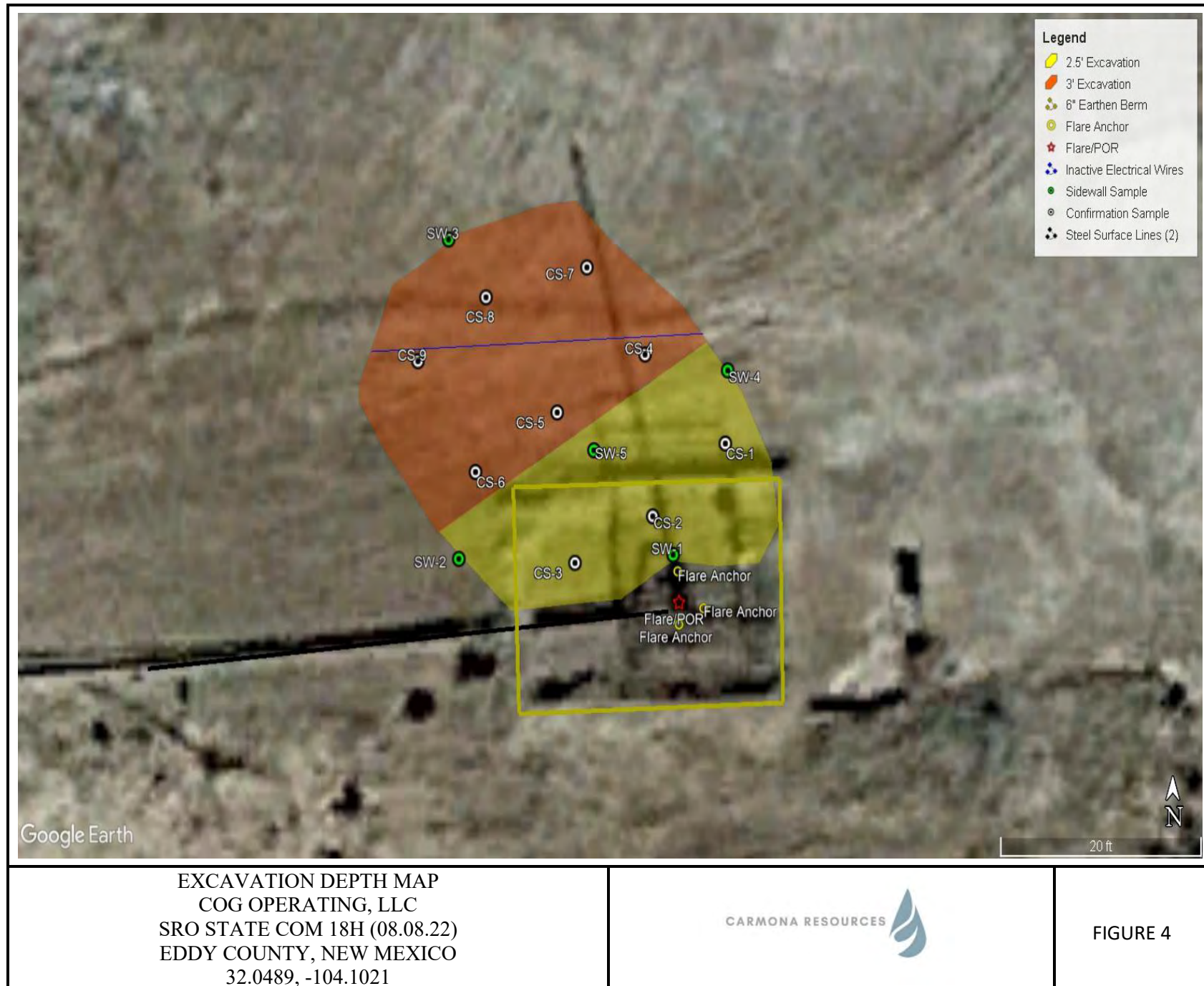


TOPO MAP
COG OPERATING, LLC
SRO STATE COM 18H (08.08.22)
EDDY COUNTY, NEW MEXICO
32.0489, -104.1021



FIGURE 2





APPENDIX A

CARMONA RESOURCES



Table 1
COG
SRO State Com 18H (08.08.22)
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	9/12/2022	0-0.5	1,300	14,400	<250	15,700	0.0347	0.698	0.276	20.4	16.4	337
	"	1.0	<49.9	485	<49.9	485	<0.00200	0.0326	0.0277	0.187	0.248	83.2
	"	1.5	<50.0	377	<50.0	377	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	10.5
S-2	9/12/2022	0-0.5	2,150	17,100	<250	19,300	0.133	7.38	3.37	28.0	38.8	333
	"	1.0	<50.0	456	<50.0	456	<0.00202	<0.00202	<0.00202	1.55	0.576	86.6
	"	1.5	<50.0	639	<50.0	639	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	10.5
S-3	9/12/2022	0-0.5	1,900	16,400	<250	18,300	<0.199	9.42	3.76	32.3	4.94	306
	"	0.5-1	<49.9	572	<49.9	572	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	11.8
	"	1.5	<50.0	534	<50.0	534	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	8.39
H-1	9/12/2022	0-0.5	<50.0	359	<50.0	359	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	9.01
H-2	9/12/2022	0-0.5	<50.0	228	<50.0	228	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	8.71
H-3	9/12/2022	0-0.5	<49.8	274	<49.8	274	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	12.6
H-4	9/12/2022	0-0.5	<49.9	608	<49.9	608	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	9.51
Regulatory Criteria^A						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(S) Sample Point

(H) Horizontal

Removed

Table 2
COG
SRO State Com 18H (08.08.22)
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	9/30/2022	2.5	<50.0	<50.0	70.1	70.1	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	18.0
CS-2	9/30/2022	2.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	15.9
CS-3	9/30/2022	2.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	46.4
CS-4	9/30/2022	3.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	15.2
CS-5	9/30/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	16.0
CS-6	9/30/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	18.0
CS-7	9/30/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	19.8
CS-8	9/30/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	16.0
CS-9	9/30/2022	3.0	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	15.9
SW-1	9/30/2022	2.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	17.4
SW-2	9/30/2022	2.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	20.3
SW-3	9/30/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	21.4
SW-4	9/30/2022	2.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	19.5
SW-5	9/30/2022	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	41.5
Regulatory Criteria ^						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(CS) Confirmation Sample

(SW) Sidewall

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 1

Facility: SRO State Com 18H (08.08.22)

County: Eddy County, New Mexico

Description:

View Southeast, area of S-1, S-2, and S-3



Photograph No. 2

Facility: SRO State Com 18H (08.08.22)

County: Eddy County, New Mexico

Description:

View Northeast, area of S-2 and S-3



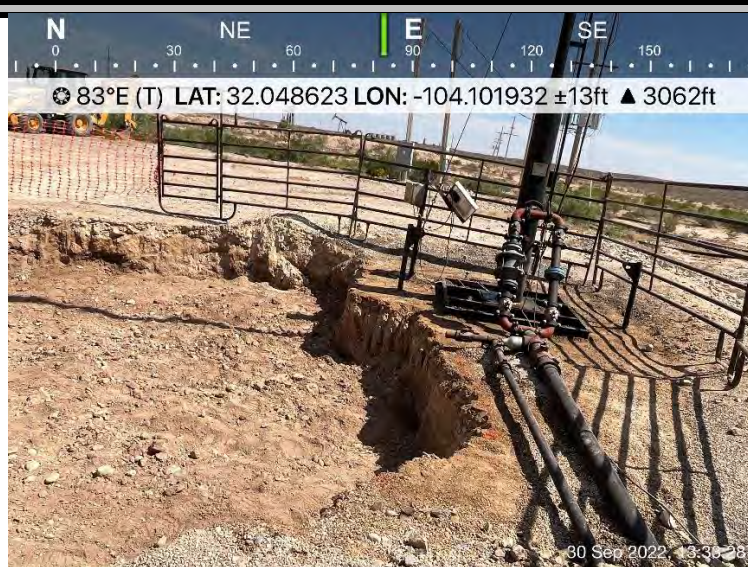
Photograph No. 3

Facility: SRO State Com 18H (08.08.22)

County: Eddy County, New Mexico

Description:

View East, area of confirmation sample (CS-1 through CS-3)



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 4

Facility: SRO State Com 18H (08.08.22)

County: Eddy County, New Mexico

Description:

View North, area of S-1, S-2, and S-3



APPENDIX C

CARMONA RESOURCES



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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

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

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

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

☐ The source of the release has been stopped.	
☐ The impacted area has been secured to protect human health and the environment.	
☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
☐ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: _____	Title: _____
Signature: <u></u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>10/11/2022</u>

L48 Spill Volume Estimate Form									
Facility Name & Number:		SRO State Com 18H							
Asset Area:		DBWN							
Release Discovery Date & Time:		8.8.22							
Release Type:		Oil							
Provide any known details about the event:		Flare Fire							
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	40.0	55.0	0.25	13.63%	8.158	1.112			
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:						1.112			

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Jacqueline Harimon Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 10/11/2022

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: Jocelyn Harimon Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 10/11/2022

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: Wednesday, September 28, 2022 8:44 AM
To: OCD.Enviro@emnrd.nm.gov <OCD.Enviro@emnrd.nm.gov>
Cc: Harris, Jacqui; Conner Moehring
Subject: COG - SRO State Com 18H (08.08.22) Sampling Notification

Good Morning,

On behalf of COG, Carmona Resources will collect confirmation samples at the below-referenced site on 09/30/22 around 9:00 a.m. Mountain Time. Please let me know if you have any questions.

COG - SRO State Com 18H (08.08.22)
Sec 17 T26S R28E Unit A
32.048681 -104.101926
Eddy County, New Mexico

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



APPENDIX D

CARMONA RESOURCES



Nearest water well

COG Operating

Legend

 0.50 Mile Radius

 0.50 Miles

 1.80 Miles

 2.25 Miles

 NMSEO Water Well

 SRO State Com 18H (08.08.22)

 USGS Water Well



Medium Karst

COG Operating

Legend

- High
- Medium
- SRO State Com 18H (08.08.22)

SRO State Com 18H (08.08.22)



3000 ft



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 02160 S7	CUB	ED		3	3	1	22	26S	28E	586638	3543998*	2895	300	120	180
C 02479	CUB	ED		4	4	10	26S	28E	587909	3546534*	3157	200			
C 02480	CUB	ED		4	4	10	26S	28E	587909	3546534*	3157	150			
C 02478	CUB	ED		2	1	05	26S	28E	583848	3549325*	3249	100			
C 04022 POD1	CUB	ED		4	4	2	15	26S	28E	588082	3545647	3360	220	175	45
C 02475	CUB	ED		2	4	13	26S	27E	581450	3545252*	3453	100			
C 02160 S5	CUB	ED		1	1	1	14	26S	28E	588225	3546237*	3457	300	120	180
C 02160 S6	CUB	ED		3	3	1	14	26S	28E	588232	3545635*	3511	300	120	180
C 02481	CUB	ED		1	1	14	26S	28E	588326	3546138*	3558	200			
C 02477	CUB	ED		1	1	03	26S	28E	586687	3549347*	3678	150			
C 04466 POD1	CUB	ED		3	3	2	29	26S	28E	584327	3542357	3876	96	33	63

Average Depth to Water: **113 feet**

Minimum Depth: **33 feet**

Maximum Depth: **175 feet**

Record Count: 11

UTMNAD83 Radius Search (in meters):

Easting (X): 584767.94

Northing (Y): 3546208.39

Radius: 4000

*UTM location was derived from PLSS - see Help

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

9/9/22 11:22 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)						(NAD83 UTM in meters)	
		(quarters are smallest to largest)						X	Y
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tw	Rng		
	C 02160 S7	3	3	1	22	26S	28E	586638	3543998*
Driller License:					Driller Company:				
Driller Name: HEMLER									
Drill Start Date:			Drill Finish Date:			01/01/1961	Plug Date:		
Log File Date:			PCW Rev Date:				Source: Shallow		
Pump Type:			Pipe Discharge Size:				Estimated Yield:		
Casing Size:			Depth Well:			300 feet	Depth Water: 120 feet		

*UTM location was derived from PLSS - see Help

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

9/9/22 11:23 AM

POINT OF DIVERSION SUMMARY



USGS Home
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National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater Geographic Area: New Mexico GO

Click to hide News Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- Attention current WaterAlert users: NextGen WaterAlert is replacing Legacy WaterAlert. You must take action before 9/30/2022 to retain your alerts. [Read more.](#)
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Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 320230104060601

Minimum number of levels = 1

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

USGS 320230104060601 26S.28E.18.33111

Eddy County, New Mexico

Latitude 32°02'30", Longitude 104°06'06" NAD27

Land-surface elevation 3,070 feet above NAVD88

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

This well is completed in the Castile Formation (312CSTL) 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
1981-05-01			D 62610		3050.88	NGVD29	1		Z	
1981-05-01			D 62611		3052.48	NAVD88	1		Z	
1981-05-01			D 72019	17.52			1		Z	
1983-01-25			D 62610		3052.15	NGVD29	1		Z	
1983-01-25			D 62611		3053.75	NAVD88	1		Z	
1983-01-25			D 72019	16.25			1		Z	
1987-10-13			D 62610		3053.27	NGVD29	1		Z	
1987-10-13			D 62611		3054.87	NAVD88	1		Z	
1987-10-13			D 72019	15.13			1		Z	
1992-11-03			D 62610		3050.77	NGVD29	1		S	
1992-11-03			D 62611		3052.37	NAVD88	1		S	
1992-11-03			D 72019	17.63			1		S	
1998-01-22			D 62610		3052.05	NGVD29	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
1998-01-22			D	62611	3053.65	NAVD88	1	S		
1998-01-22			D	72019	16.35		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?>

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

Page Last Modified: 2022-09-09 13:27:27 EDT

0.28 0.25 nadww02



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

Groundwater ▼ New Mexico ▼ GO

Click to hide News Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- Attention current WaterAlert users: NextGen WaterAlert is replacing Legacy WaterAlert. You must take action before 9/30/2022 to retain your alerts. [Read more.](#)
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Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 320145104041701

Minimum number of levels = 1

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

USGS 320145104041701 26S.28E.22.234431

Eddy County, New Mexico

Latitude 32°01'45", Longitude 104°04'17" NAD27

Land-surface elevation 2,980 feet above NGVD29

The depth of the well is 23.00 feet below land surface.

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

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1987-12-12		D	62610		2958.98	NGVD29	1		S	
1987-12-12		D	62611		2960.55	NAVD88	1		S	
1987-12-12		D	72019	21.02			1		S	
1998-01-22		D	62610		2957.65	NGVD29	1		S	
1998-01-22		D	62611		2959.22	NAVD88	1		S	
1998-01-22		D	72019	22.35			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

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	
Referenced vertical datum:		NOV-22	NOV-22	NOV-22	NOV-22	NOV-22	
Status		1	Static				
Method of measurement		S	Steel-tape measurement.				
Measuring agency			Not determined				
Source of measurement			Not determined				
Water-level approval status		A	Approved for publication -- Processing and review completed.				

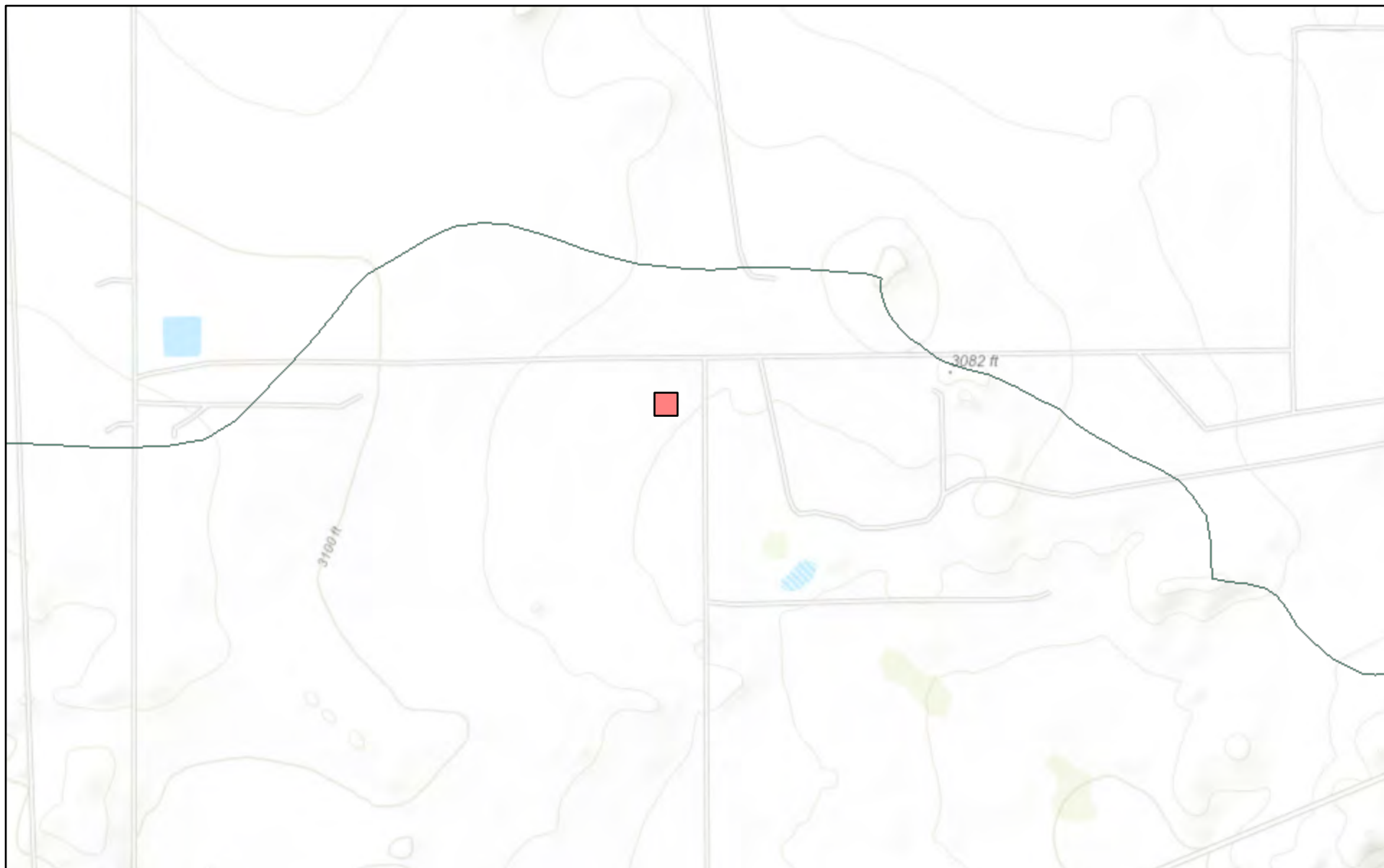
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URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>

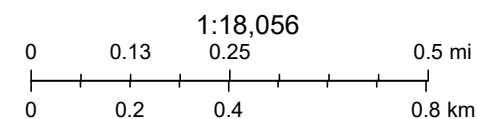


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Page Last Modified: 2022-09-09 13:26:18 EDT
0.27 0.24 nadww02

New Mexico NFHL Data



September 9, 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: 880-19129-1

Laboratory Sample Delivery Group: Eddy Co, NM
Client Project/Site: SRO State Com 18H (08.08.22)

For:

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

Attn: Conner Moehring

Authorized for release by:

9/19/2022 3:18:37 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: SRO State Com 18H (08.08.22)

Laboratory Job ID: 880-19129-1
SDG: Eddy Co, NM

Table of Contents

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Definitions/Glossary

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery 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
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.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
SDG: Eddy Co, NM

Job ID: 880-19129-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-19129-1

Receipt

The samples were received on 9/13/2022 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 5.4°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-34412 and analytical batch 880-34552 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-2 (1') (880-19129-5) and S-2 (1.5') (880-19129-6). 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: (LCS 880-34407/1-A) and (890-2884-A-1-C MS). Evidence of matrix interferences is not obvious.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-34693 and analytical batch 880-34745 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-34395 and analytical batch 880-34332 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-1 (1') (880-19129-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-3 (1') (880-19129-8), S-3 (1.5') (880-19129-9) and H-1 (0-0.5') (880-19129-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-2 (0-0.5') (880-19129-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

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

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-19129-1

Date Collected: 09/12/22 00:00

Matrix: Solid

Date Received: 09/13/22 10:45

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0347		0.00200		mg/Kg		09/14/22 09:19	09/14/22 18:18	1
Toluene	0.698		0.0403		mg/Kg		09/13/22 17:00	09/15/22 18:57	20
Ethylbenzene	0.276		0.00200		mg/Kg		09/14/22 09:19	09/14/22 18:18	1
m-Xylene & p-Xylene	15.4		0.802		mg/Kg		09/16/22 13:13	09/18/22 03:02	200
o-Xylene	<0.0403	U	0.0403		mg/Kg		09/13/22 17:00	09/15/22 18:57	20
Xylenes, Total	20.4		0.802		mg/Kg		09/16/22 13:13	09/18/22 03:02	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	297	S1+	70 - 130	09/14/22 09:19	09/14/22 18:18	1
1,4-Difluorobenzene (Surr)	40	S1-	70 - 130	09/14/22 09:19	09/14/22 18:18	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	16.4		0.802		mg/Kg			09/15/22 10:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	15700		250		mg/Kg			09/14/22 09:20	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	1300		250		mg/Kg		09/13/22 11:35	09/14/22 03:35	5
Diesel Range Organics (Over C10-C28)	14400		250		mg/Kg		09/13/22 11:35	09/14/22 03:35	5
Oil Range Organics (Over C28-C36)	<250	U	250		mg/Kg		09/13/22 11:35	09/14/22 03:35	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	09/13/22 11:35	09/14/22 03:35	5
o-Terphenyl	104		70 - 130	09/13/22 11:35	09/14/22 03:35	5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	337		5.02		mg/Kg			09/13/22 18:46	1

Client Sample ID: S-1 (1')

Lab Sample ID: 880-19129-2

Date Collected: 09/12/22 00:00

Matrix: Solid

Date Received: 09/13/22 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		09/14/22 09:19	09/14/22 18:39	1
Toluene	0.0326		0.00200		mg/Kg		09/14/22 09:19	09/14/22 18:39	1
Ethylbenzene	0.0277		0.00200		mg/Kg		09/14/22 09:19	09/14/22 18:39	1
m-Xylene & p-Xylene	0.132		0.00401		mg/Kg		09/14/22 09:19	09/14/22 18:39	1
o-Xylene	0.0553		0.00200		mg/Kg		09/14/22 09:19	09/14/22 18:39	1
Xylenes, Total	0.187		0.00401		mg/Kg		09/14/22 09:19	09/14/22 18:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	156	S1+	70 - 130	09/14/22 09:19	09/14/22 18:39	1
1,4-Difluorobenzene (Surr)	105		70 - 130	09/14/22 09:19	09/14/22 18:39	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (1')

Lab Sample ID: 880-19129-2

Date Collected: 09/12/22 00:00

Matrix: Solid

Date Received: 09/13/22 10:45

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.248		0.00401		mg/Kg			09/15/22 10:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	485		49.9		mg/Kg			09/14/22 09:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/13/22 11:35	09/13/22 23:39	1
Diesel Range Organics (Over C10-C28)	485		49.9		mg/Kg		09/13/22 11:35	09/13/22 23:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/13/22 11:35	09/13/22 23:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130				09/13/22 11:35	09/13/22 23:39	1
o-Terphenyl	121		70 - 130				09/13/22 11:35	09/13/22 23:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83.2		5.01		mg/Kg			09/13/22 18:51	1

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-19129-3

Date Collected: 09/12/22 00:00

Matrix: Solid

Date Received: 09/13/22 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		09/13/22 14:24	09/16/22 02:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/13/22 14:24	09/16/22 02:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/13/22 14:24	09/16/22 02:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/13/22 14:24	09/16/22 02:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/13/22 14:24	09/16/22 02:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/13/22 14:24	09/16/22 02:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				09/13/22 14:24	09/16/22 02:15	1
1,4-Difluorobenzene (Surr)	100		70 - 130				09/13/22 14:24	09/16/22 02:15	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/15/22 10:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	377		50.0		mg/Kg			09/14/22 09:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/13/22 11:35	09/14/22 00:01	1
Diesel Range Organics (Over C10-C28)	377		50.0		mg/Kg		09/13/22 11:35	09/14/22 00:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-19129-3

Date Collected: 09/12/22 00:00

Matrix: Solid

Date Received: 09/13/22 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		09/13/22 11:35	09/14/22 00:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				09/13/22 11:35	09/14/22 00:01	1
o-Terphenyl	102		70 - 130				09/13/22 11:35	09/14/22 00:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.5		5.01		mg/Kg			09/13/22 18:56	1

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

Lab Sample ID: 880-19129-4

Date Collected: 09/12/22 00:00

Matrix: Solid

Date Received: 09/13/22 10:45

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.133		0.100		mg/Kg		09/16/22 13:13	09/18/22 03:22	50
Toluene	7.38		0.100		mg/Kg		09/16/22 13:13	09/18/22 03:22	50
Ethylbenzene	3.37		0.100		mg/Kg		09/16/22 13:13	09/18/22 03:22	50
m-Xylene & p-Xylene	21.2		0.201		mg/Kg		09/16/22 13:13	09/18/22 03:22	50
o-Xylene	6.76		0.100		mg/Kg		09/16/22 13:13	09/18/22 03:22	50
Xylenes, Total	28.0		0.201		mg/Kg		09/16/22 13:13	09/18/22 03:22	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				09/16/22 13:13	09/18/22 03:22	50
1,4-Difluorobenzene (Surr)	69	S1-	70 - 130				09/16/22 13:13	09/18/22 03:22	50

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	38.8		0.201		mg/Kg			09/15/22 10:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	19300		250		mg/Kg			09/14/22 09:20	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	2150		250		mg/Kg		09/13/22 11:35	09/14/22 03:56	5
Diesel Range Organics (Over C10-C28)	17100		250		mg/Kg		09/13/22 11:35	09/14/22 03:56	5
Oil Range Organics (Over C28-C36)	<250	U	250		mg/Kg		09/13/22 11:35	09/14/22 03:56	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				09/13/22 11:35	09/14/22 03:56	5
o-Terphenyl	133	S1+	70 - 130				09/13/22 11:35	09/14/22 03:56	5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	333		4.97		mg/Kg			09/13/22 19:00	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (1')

Lab Sample ID: 880-19129-5

Date Collected: 09/12/22 00:00

Matrix: Solid

Date Received: 09/13/22 10:45

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/13/22 14:24	09/16/22 03:06	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/13/22 14:24	09/16/22 03:06	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/13/22 14:24	09/16/22 03:06	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/13/22 14:24	09/16/22 03:06	1
o-Xylene	0.576		0.100		mg/Kg		09/16/22 13:13	09/18/22 03:43	50
Xylenes, Total	1.55		0.200		mg/Kg		09/16/22 13:13	09/18/22 03:43	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130	09/13/22 14:24	09/16/22 03:06	1
1,4-Difluorobenzene (Surr)	106		70 - 130	09/13/22 14:24	09/16/22 03:06	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.576		0.00403		mg/Kg			09/15/22 10:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	456		50.0		mg/Kg			09/14/22 09:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/13/22 11:35	09/14/22 00:22	1
Diesel Range Organics (Over C10-C28)	456		50.0		mg/Kg		09/13/22 11:35	09/14/22 00:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/13/22 11:35	09/14/22 00:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				09/13/22 11:35	09/14/22 00:22	1
o-Terphenyl	109		70 - 130				09/13/22 11:35	09/14/22 00:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.6		4.99		mg/Kg			09/13/22 19:05	1

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-19129-6

Date Collected: 09/12/22 00:00

Matrix: Solid

Date Received: 09/13/22 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		09/13/22 14:24	09/16/22 03:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/13/22 14:24	09/16/22 03:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/13/22 14:24	09/16/22 03:32	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/13/22 14:24	09/16/22 03:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/13/22 14:24	09/16/22 03:32	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/13/22 14:24	09/16/22 03:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130	09/13/22 14:24	09/16/22 03:32	1
1,4-Difluorobenzene (Surr)	97		70 - 130	09/13/22 14:24	09/16/22 03:32	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-19129-6

Date Collected: 09/12/22 00:00

Matrix: Solid

Date Received: 09/13/22 10:45

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/15/22 10:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	639		50.0		mg/Kg			09/14/22 09:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/13/22 11:35	09/14/22 01:05	1
Diesel Range Organics (Over C10-C28)	639		50.0		mg/Kg		09/13/22 11:35	09/14/22 01:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/13/22 11:35	09/14/22 01:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				09/13/22 11:35	09/14/22 01:05	1
o-Terphenyl	110		70 - 130				09/13/22 11:35	09/14/22 01:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.5		5.04		mg/Kg			09/13/22 19:20	1

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

Lab Sample ID: 880-19129-7

Date Collected: 09/12/22 00:00

Matrix: Solid

Date Received: 09/13/22 10:45

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.199	U	0.199		mg/Kg		09/16/22 16:25	09/19/22 13:04	100
Toluene	9.42		0.199		mg/Kg		09/16/22 16:25	09/19/22 13:04	100
Ethylbenzene	3.76		0.199		mg/Kg		09/16/22 16:25	09/19/22 13:04	100
m-Xylene & p-Xylene	23.4		0.398		mg/Kg		09/16/22 16:25	09/19/22 13:04	100
o-Xylene	8.94		0.199		mg/Kg		09/16/22 16:25	09/19/22 13:04	100
Xylenes, Total	32.3		0.398		mg/Kg		09/16/22 16:25	09/19/22 13:04	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				09/16/22 16:25	09/19/22 13:04	100
1,4-Difluorobenzene (Surr)	94		70 - 130				09/16/22 16:25	09/19/22 13:04	100

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	4.94		0.00400		mg/Kg			09/15/22 10:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	18300		250		mg/Kg			09/14/22 09:20	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	1900		250		mg/Kg		09/13/22 11:35	09/14/22 04:18	5
Diesel Range Organics (Over C10-C28)	16400		250		mg/Kg		09/13/22 11:35	09/14/22 04:18	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-19129-7

Date Collected: 09/12/22 00:00

Matrix: Solid

Date Received: 09/13/22 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)	<250	U	250		mg/Kg		09/13/22 11:35	09/14/22 04:18	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				09/13/22 11:35	09/14/22 04:18	5
o-Terphenyl	117		70 - 130				09/13/22 11:35	09/14/22 04:18	5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	306		5.05		mg/Kg			09/13/22 19:25	1

Client Sample ID: S-3 (1')

Lab Sample ID: 880-19129-8

Date Collected: 09/12/22 00:00

Matrix: Solid

Date Received: 09/13/22 10:45

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/13/22 14:24	09/16/22 04:23	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/13/22 14:24	09/16/22 04:23	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/13/22 14:24	09/16/22 04:23	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/13/22 14:24	09/16/22 04:23	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/13/22 14:24	09/16/22 04:23	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/13/22 14:24	09/16/22 04:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				09/13/22 14:24	09/16/22 04:23	1
1,4-Difluorobenzene (Surr)	117		70 - 130				09/13/22 14:24	09/16/22 04:23	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/15/22 10:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	572		49.9		mg/Kg			09/14/22 09:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/13/22 11:35	09/14/22 01:26	1
Diesel Range Organics (Over C10-C28)	572		49.9		mg/Kg		09/13/22 11:35	09/14/22 01:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/13/22 11:35	09/14/22 01:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	146	S1+	70 - 130				09/13/22 11:35	09/14/22 01:26	1
o-Terphenyl	127		70 - 130				09/13/22 11:35	09/14/22 01:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.8		5.05		mg/Kg			09/13/22 19:40	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
SDG: Eddy Co, NM

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-19129-9

Date Collected: 09/12/22 00:00

Matrix: Solid

Date Received: 09/13/22 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		09/13/22 14:24	09/16/22 04:49	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/13/22 14:24	09/16/22 04:49	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/13/22 14:24	09/16/22 04:49	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/13/22 14:24	09/16/22 04:49	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/13/22 14:24	09/16/22 04:49	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/13/22 14:24	09/16/22 04:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	09/13/22 14:24	09/16/22 04:49	1
1,4-Difluorobenzene (Surr)	97		70 - 130	09/13/22 14:24	09/16/22 04:49	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/15/22 10:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	534		50.0		mg/Kg			09/14/22 09:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/13/22 11:35	09/14/22 01:48	1
Diesel Range Organics (Over C10-C28)	534		50.0		mg/Kg		09/13/22 11:35	09/14/22 01:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/13/22 11:35	09/14/22 01:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130				09/13/22 11:35	09/14/22 01:48	1
o-Terphenyl	123		70 - 130				09/13/22 11:35	09/14/22 01:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.39		4.99		mg/Kg			09/13/22 19:44	1

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

Lab Sample ID: 880-19129-10

Date Collected: 09/12/22 00:00

Matrix: Solid

Date Received: 09/13/22 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		09/13/22 14:24	09/16/22 05:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/13/22 14:24	09/16/22 05:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/13/22 14:24	09/16/22 05:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/13/22 14:24	09/16/22 05:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/13/22 14:24	09/16/22 05:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/13/22 14:24	09/16/22 05:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	09/13/22 14:24	09/16/22 05:14	1
1,4-Difluorobenzene (Surr)	95		70 - 130	09/13/22 14:24	09/16/22 05:14	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-19129-10

Date Collected: 09/12/22 00:00

Matrix: Solid

Date Received: 09/13/22 10:45

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/15/22 10:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	359		50.0		mg/Kg			09/14/22 09:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/13/22 11:35	09/14/22 02:09	1
Diesel Range Organics (Over C10-C28)	359		50.0		mg/Kg		09/13/22 11:35	09/14/22 02:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/13/22 11:35	09/14/22 02:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	142	S1+	70 - 130				09/13/22 11:35	09/14/22 02:09	1
o-Terphenyl	122		70 - 130				09/13/22 11:35	09/14/22 02:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.01		4.96		mg/Kg			09/13/22 19:49	1

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

Lab Sample ID: 880-19129-11

Date Collected: 09/12/22 00:00

Matrix: Solid

Date Received: 09/13/22 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		09/13/22 14:24	09/16/22 05:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/13/22 14:24	09/16/22 05:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/13/22 14:24	09/16/22 05:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/13/22 14:24	09/16/22 05:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/13/22 14:24	09/16/22 05:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/13/22 14:24	09/16/22 05:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				09/13/22 14:24	09/16/22 05:40	1
1,4-Difluorobenzene (Surr)	92		70 - 130				09/13/22 14:24	09/16/22 05:40	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/15/22 10:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	228		50.0		mg/Kg			09/14/22 09:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/13/22 11:35	09/14/22 02:31	1
Diesel Range Organics (Over C10-C28)	228		50.0		mg/Kg		09/13/22 11:35	09/14/22 02:31	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-19129-11

Date Collected: 09/12/22 00:00

Matrix: Solid

Date Received: 09/13/22 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		09/13/22 11:35	09/14/22 02:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				09/13/22 11:35	09/14/22 02:31	1
o-Terphenyl	105		70 - 130				09/13/22 11:35	09/14/22 02:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.71		4.96		mg/Kg			09/13/22 19:54	1

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

Lab Sample ID: 880-19129-12

Date Collected: 09/12/22 00:00

Matrix: Solid

Date Received: 09/13/22 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		09/13/22 14:24	09/16/22 09:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/13/22 14:24	09/16/22 09:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/13/22 14:24	09/16/22 09:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/13/22 14:24	09/16/22 09:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/13/22 14:24	09/16/22 09:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/13/22 14:24	09/16/22 09:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				09/13/22 14:24	09/16/22 09:18	1
1,4-Difluorobenzene (Surr)	80		70 - 130				09/13/22 14:24	09/16/22 09:18	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			09/15/22 10:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	274		49.8		mg/Kg			09/14/22 09:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/13/22 11:35	09/14/22 02:52	1
Diesel Range Organics (Over C10-C28)	274		49.8		mg/Kg		09/13/22 11:35	09/14/22 02:52	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/13/22 11:35	09/14/22 02:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				09/13/22 11:35	09/14/22 02:52	1
o-Terphenyl	107		70 - 130				09/13/22 11:35	09/14/22 02:52	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			09/13/22 19:59	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-19129-13

Date Collected: 09/12/22 00:00

Matrix: Solid

Date Received: 09/13/22 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		09/16/22 09:35	09/16/22 20:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/16/22 09:35	09/16/22 20:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/16/22 09:35	09/16/22 20:16	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/16/22 09:35	09/16/22 20:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/16/22 09:35	09/16/22 20:16	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/16/22 09:35	09/16/22 20:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	09/16/22 09:35	09/16/22 20:16	1
1,4-Difluorobenzene (Surr)	102		70 - 130	09/16/22 09:35	09/16/22 20:16	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/15/22 10:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	608		49.9		mg/Kg			09/14/22 09:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/13/22 11:35	09/14/22 03:13	1
Diesel Range Organics (Over C10-C28)	608		49.9		mg/Kg		09/13/22 11:35	09/14/22 03:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/13/22 11:35	09/14/22 03:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130	09/13/22 11:35	09/14/22 03:13	1
o-Terphenyl	113		70 - 130	09/13/22 11:35	09/14/22 03:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.51		4.97		mg/Kg			09/13/22 20:04	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
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)
880-18879-A-81-G MS	Matrix Spike	135 S1+	101
880-18879-A-81-H MSD	Matrix Spike Duplicate	126	106
880-19129-1	S-1 (0-0.5')	297 S1+	40 S1-
880-19129-2	S-1 (1')	156 S1+	105
880-19129-3	S-1 (1.5')	113	100
880-19129-4	S-2 (0-0.5')	85	69 S1-
880-19129-5	S-2 (1')	141 S1+	106
880-19129-6	S-2 (1.5')	141 S1+	97
880-19129-7	S-3 (0-0.5')	100	94
880-19129-8	S-3 (1')	114	117
880-19129-9	S-3 (1.5')	130	97
880-19129-10	H-1 (0-0.5')	98	95
880-19129-11	H-2 (0-0.5')	112	92
880-19129-12	H-3 (0-0.5')	87	80
880-19129-13	H-4 (0-0.5')	108	102
880-19252-A-1-E MS	Matrix Spike	101	98
880-19252-A-1-F MSD	Matrix Spike Duplicate	108	100
880-19317-A-1-G MS	Matrix Spike	108	94
880-19317-A-1-H MSD	Matrix Spike Duplicate	106	99
890-2884-A-1-C MS	Matrix Spike	135 S1+	100
890-2884-A-1-D MSD	Matrix Spike Duplicate	115	104
890-2943-A-1-K MS	Matrix Spike	82	106
890-2943-A-1-L MSD	Matrix Spike Duplicate	112	108
890-2943-A-20-E MS	Matrix Spike	78	110
890-2943-A-20-F MSD	Matrix Spike Duplicate	94	98
LCS 880-34264/1-A	Lab Control Sample	140 S1+	99
LCS 880-34407/1-A	Lab Control Sample	137 S1+	99
LCS 880-34412/1-A	Lab Control Sample	116	113
LCS 880-34645/1-A	Lab Control Sample	88	106
LCS 880-34677/1-A	Lab Control Sample	104	99
LCS 880-34693/1-A	Lab Control Sample	107	98
LCSD 880-34264/2-A	Lab Control Sample Dup	143 S1+	103
LCSD 880-34407/2-A	Lab Control Sample Dup	117	105
LCSD 880-34412/2-A	Lab Control Sample Dup	102	105
LCSD 880-34645/2-A	Lab Control Sample Dup	101	105
LCSD 880-34677/2-A	Lab Control Sample Dup	102	92
LCSD 880-34693/2-A	Lab Control Sample Dup	106	99
MB 880-34264/5-A	Method Blank	99	84
MB 880-34407/5-A	Method Blank	97	90
MB 880-34410/5-B	Method Blank	104	117
MB 880-34412/5-B	Method Blank	69 S1-	90
MB 880-34413/5-A	Method Blank	103	113
MB 880-34645/5-A	Method Blank	103	116
MB 880-34677/5-A	Method Blank	106	106
MB 880-34693/5-A	Method Blank	101	112

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-19129-1

Project/Site: SRO State Com 18H (08.08.22)

SDG: Eddy Co, NM

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-19129-1	S-1 (0-0.5')	81	104
880-19129-2	S-1 (1')	135 S1+	121
880-19129-3	S-1 (1.5')	114	102
880-19129-4	S-2 (0-0.5')	130	133 S1+
880-19129-5	S-2 (1')	120	109
880-19129-6	S-2 (1.5')	122	110
880-19129-7	S-3 (0-0.5')	113	117
880-19129-8	S-3 (1')	146 S1+	127
880-19129-9	S-3 (1.5')	143 S1+	123
880-19129-10	H-1 (0-0.5')	142 S1+	122
880-19129-11	H-2 (0-0.5')	119	105
880-19129-12	H-3 (0-0.5')	119	107
880-19129-13	H-4 (0-0.5')	126	113
880-19130-A-1-H MS	Matrix Spike	110	81
880-19130-A-1-I MSD	Matrix Spike Duplicate	95	82
LCS 880-34395/2-A	Lab Control Sample	124	102
LCSD 880-34395/3-A	Lab Control Sample Dup	105	105
MB 880-34395/1-A	Method Blank	136 S1+	127

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-34264/5-A

Matrix: Solid

Analysis Batch: 34441

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 34264

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/12/22 10:19	09/14/22 11:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/12/22 10:19	09/14/22 11:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/12/22 10:19	09/14/22 11:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/12/22 10:19	09/14/22 11:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/12/22 10:19	09/14/22 11:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/12/22 10:19	09/14/22 11:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	09/12/22 10:19	09/14/22 11:54	1
1,4-Difluorobenzene (Surr)	84		70 - 130	09/12/22 10:19	09/14/22 11:54	1

Lab Sample ID: LCS 880-34264/1-A

Matrix: Solid

Analysis Batch: 34441

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 34264

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08269		mg/Kg		83	70 - 130
Toluene	0.100	0.08547		mg/Kg		85	70 - 130
Ethylbenzene	0.100	0.1039		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	0.200	0.2233		mg/Kg		112	70 - 130
o-Xylene	0.100	0.1281		mg/Kg		128	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-34264/2-A

Matrix: Solid

Analysis Batch: 34441

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 34264

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07992		mg/Kg		80	70 - 130	3	35
Toluene	0.100	0.07910		mg/Kg		79	70 - 130	8	35
Ethylbenzene	0.100	0.09582		mg/Kg		96	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2050		mg/Kg		103	70 - 130	9	35
o-Xylene	0.100	0.1181		mg/Kg		118	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-18879-A-81-G MS

Matrix: Solid

Analysis Batch: 34441

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 34264

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.101	0.08089		mg/Kg		80	70 - 130
Toluene	<0.00202	U	0.101	0.08273		mg/Kg		82	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-18879-A-81-G MS

Matrix: Solid

Analysis Batch: 34441

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 34264

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U	0.101	0.09554		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	<0.00404	U	0.202	0.2069		mg/Kg		102	70 - 130
o-Xylene	<0.00202	U	0.101	0.1190		mg/Kg		118	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-18879-A-81-H MSD

Matrix: Solid

Analysis Batch: 34441

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 34264

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0994	0.08322		mg/Kg		84	70 - 130	3	35
Toluene	<0.00202	U	0.0994	0.08076		mg/Kg		81	70 - 130	2	35
Ethylbenzene	<0.00202	U	0.0994	0.09008		mg/Kg		91	70 - 130	6	35
m-Xylene & p-Xylene	<0.00404	U	0.199	0.1884		mg/Kg		95	70 - 130	9	35
o-Xylene	<0.00202	U	0.0994	0.1082		mg/Kg		109	70 - 130	10	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	126		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: MB 880-34407/5-A

Matrix: Solid

Analysis Batch: 34550

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 34407

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/13/22 13:45	09/15/22 11:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/13/22 13:45	09/15/22 11:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/13/22 13:45	09/15/22 11:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/13/22 13:45	09/15/22 11:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/13/22 13:45	09/15/22 11:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/13/22 13:45	09/15/22 11:04	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	09/13/22 13:45	09/15/22 11:04	1
1,4-Difluorobenzene (Surr)	90		70 - 130	09/13/22 13:45	09/15/22 11:04	1

Lab Sample ID: LCS 880-34407/1-A

Matrix: Solid

Analysis Batch: 34550

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 34407

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08219		mg/Kg		82	70 - 130
Toluene	0.100	0.08712		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.09973		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	0.200	0.2205		mg/Kg		110	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-34407/1-A

Matrix: Solid

Analysis Batch: 34550

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 34407

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1268		mg/Kg		127	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-34407/2-A

Matrix: Solid

Analysis Batch: 34550

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 34407

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09835		mg/Kg		98	70 - 130	18	35
Toluene	0.100	0.09118		mg/Kg		91	70 - 130	5	35
Ethylbenzene	0.100	0.09852		mg/Kg		99	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2005		mg/Kg		100	70 - 130	9	35
o-Xylene	0.100	0.1158		mg/Kg		116	70 - 130	9	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 890-2884-A-1-C MS

Matrix: Solid

Analysis Batch: 34550

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 34407

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0998	0.08237		mg/Kg		83	70 - 130
Toluene	<0.00201	U	0.0998	0.08496		mg/Kg		85	70 - 130
Ethylbenzene	<0.00201	U	0.0998	0.09708		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2077		mg/Kg		104	70 - 130
o-Xylene	<0.00201	U	0.0998	0.1183		mg/Kg		119	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-2884-A-1-D MSD

Matrix: Solid

Analysis Batch: 34550

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 34407

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.101	0.08520		mg/Kg		85	70 - 130	3	35
Toluene	<0.00201	U	0.101	0.07851		mg/Kg		78	70 - 130	8	35
Ethylbenzene	<0.00201	U	0.101	0.08300		mg/Kg		83	70 - 130	16	35
m-Xylene & p-Xylene	<0.00402	U	0.201	0.1705		mg/Kg		85	70 - 130	20	35
o-Xylene	<0.00201	U	0.101	0.09629		mg/Kg		96	70 - 130	21	35

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
SDG: Eddy Co, NM

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

Lab Sample ID: 890-2884-A-1-D MSD

Matrix: Solid

Analysis Batch: 34550

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 34407

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-34410/5-B

Matrix: Solid

Analysis Batch: 34745

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 34410

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/13/22 14:00	09/18/22 17:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/13/22 14:00	09/18/22 17:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/13/22 14:00	09/18/22 17:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/13/22 14:00	09/18/22 17:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/13/22 14:00	09/18/22 17:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/13/22 14:00	09/18/22 17:48	1
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				09/13/22 14:00	09/18/22 17:48	1
1,4-Difluorobenzene (Surr)	117		70 - 130				09/13/22 14:00	09/18/22 17:48	1

Lab Sample ID: MB 880-34412/5-B

Matrix: Solid

Analysis Batch: 34552

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 34412

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/13/22 14:24	09/15/22 20:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/13/22 14:24	09/15/22 20:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/13/22 14:24	09/15/22 20:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/13/22 14:24	09/15/22 20:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/13/22 14:24	09/15/22 20:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/13/22 14:24	09/15/22 20:17	1
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	69	S1-	70 - 130				09/13/22 14:24	09/15/22 20:17	1
1,4-Difluorobenzene (Surr)	90		70 - 130				09/13/22 14:24	09/15/22 20:17	1

Lab Sample ID: LCS 880-34412/1-A

Matrix: Solid

Analysis Batch: 34552

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 34412

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	0.100	0.1058		mg/Kg		106	70 - 130		
Toluene	0.100	0.09994		mg/Kg		100	70 - 130		
Ethylbenzene	0.100	0.09683		mg/Kg		97	70 - 130		
m-Xylene & p-Xylene	0.200	0.1979		mg/Kg		99	70 - 130		
o-Xylene	0.100	0.09809		mg/Kg		98	70 - 130		

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-34412/1-A

Matrix: Solid

Analysis Batch: 34552

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 34412

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: LCSD 880-34412/2-A

Matrix: Solid

Analysis Batch: 34552

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 34412

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09397		mg/Kg		94	70 - 130	12	35
Toluene	0.100	0.09151		mg/Kg		92	70 - 130	9	35
Ethylbenzene	0.100	0.08924		mg/Kg		89	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1818		mg/Kg		91	70 - 130	8	35
o-Xylene	0.100	0.08996		mg/Kg		90	70 - 130	9	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 890-2943-A-1-K MS

Matrix: Solid

Analysis Batch: 34552

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 34412

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U F1	0.101	0.06437	F1	mg/Kg		64	70 - 130
Toluene	<0.00202	U F1	0.101	0.05963	F1	mg/Kg		59	70 - 130
Ethylbenzene	<0.00202	U F1	0.101	0.05206	F1	mg/Kg		52	70 - 130
m-Xylene & p-Xylene	<0.00403	U F1	0.202	0.1060	F1	mg/Kg		53	70 - 130
o-Xylene	<0.00202	U F1	0.101	0.05209	F1	mg/Kg		52	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	82		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 890-2943-A-1-L MSD

Matrix: Solid

Analysis Batch: 34552

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 34412

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U F1	0.0998	0.08357		mg/Kg		84	70 - 130	26	35
Toluene	<0.00202	U F1	0.0998	0.07454		mg/Kg		75	70 - 130	22	35
Ethylbenzene	<0.00202	U F1	0.0998	0.06279	F1	mg/Kg		63	70 - 130	19	35
m-Xylene & p-Xylene	<0.00403	U F1	0.200	0.1251	F1	mg/Kg		63	70 - 130	17	35
o-Xylene	<0.00202	U F1	0.0998	0.06069	F1	mg/Kg		61	70 - 130	15	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-34413/5-A

Matrix: Solid

Analysis Batch: 34644

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 34413

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/13/22 14:26	09/17/22 13:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/13/22 14:26	09/17/22 13:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/13/22 14:26	09/17/22 13:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/13/22 14:26	09/17/22 13:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/13/22 14:26	09/17/22 13:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/13/22 14:26	09/17/22 13:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	09/13/22 14:26	09/17/22 13:45	1
1,4-Difluorobenzene (Surr)	113		70 - 130	09/13/22 14:26	09/17/22 13:45	1

Lab Sample ID: MB 880-34645/5-A

Matrix: Solid

Analysis Batch: 34644

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 34645

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/16/22 09:35	09/16/22 14:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/16/22 09:35	09/16/22 14:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/16/22 09:35	09/16/22 14:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/16/22 09:35	09/16/22 14:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/16/22 09:35	09/16/22 14:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/16/22 09:35	09/16/22 14:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	09/16/22 09:35	09/16/22 14:12	1
1,4-Difluorobenzene (Surr)	116		70 - 130	09/16/22 09:35	09/16/22 14:12	1

Lab Sample ID: LCS 880-34645/1-A

Matrix: Solid

Analysis Batch: 34644

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 34645

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1013		mg/Kg		101	70 - 130
Toluene	0.100	0.08163		mg/Kg		82	70 - 130
Ethylbenzene	0.100	0.08202		mg/Kg		82	70 - 130
m-Xylene & p-Xylene	0.200	0.1687		mg/Kg		84	70 - 130
o-Xylene	0.100	0.08438		mg/Kg		84	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: LCSD 880-34645/2-A

Matrix: Solid

Analysis Batch: 34644

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 34645

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1047		mg/Kg		105	70 - 130	3	35

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-34645/2-A

Matrix: Solid

Analysis Batch: 34644

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 34645

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.09323		mg/Kg		93	70 - 130	13	35
Ethylbenzene	0.100	0.09404		mg/Kg		94	70 - 130	14	35
m-Xylene & p-Xylene	0.200	0.1899		mg/Kg		95	70 - 130	12	35
o-Xylene	0.100	0.09802		mg/Kg		98	70 - 130	15	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 890-2943-A-20-E MS

Matrix: Solid

Analysis Batch: 34644

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 34645

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0998	0.1142		mg/Kg		113	70 - 130
Toluene	<0.00199	U	0.0998	0.08756		mg/Kg		86	70 - 130
Ethylbenzene	0.00348		0.0998	0.08386		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	0.00629		0.200	0.1663		mg/Kg		80	70 - 130
o-Xylene	0.00317		0.0998	0.08249		mg/Kg		79	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	78		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 890-2943-A-20-F MSD

Matrix: Solid

Analysis Batch: 34644

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 34645

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0996	0.09661		mg/Kg		95	70 - 130	17	35
Toluene	<0.00199	U	0.0996	0.08954		mg/Kg		88	70 - 130	2	35
Ethylbenzene	0.00348		0.0996	0.08965		mg/Kg		87	70 - 130	7	35
m-Xylene & p-Xylene	0.00629		0.199	0.1869		mg/Kg		91	70 - 130	12	35
o-Xylene	0.00317		0.0996	0.09360		mg/Kg		91	70 - 130	13	35

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

Lab Sample ID: MB 880-34677/5-A

Matrix: Solid

Analysis Batch: 34644

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 34677

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/16/22 13:13	09/18/22 01:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/16/22 13:13	09/18/22 01:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/16/22 13:13	09/18/22 01:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/16/22 13:13	09/18/22 01:52	1

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-34677/5-A

Matrix: Solid

Analysis Batch: 34644

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 34677

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/16/22 13:13	09/18/22 01:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/16/22 13:13	09/18/22 01:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	09/16/22 13:13	09/18/22 01:52	1
1,4-Difluorobenzene (Surr)	106		70 - 130	09/16/22 13:13	09/18/22 01:52	1

Lab Sample ID: LCS 880-34677/1-A

Matrix: Solid

Analysis Batch: 34644

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 34677

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07598		mg/Kg		76	70 - 130
Toluene	0.100	0.07427		mg/Kg		74	70 - 130
Ethylbenzene	0.100	0.07874		mg/Kg		79	70 - 130
m-Xylene & p-Xylene	0.200	0.1639		mg/Kg		82	70 - 130
o-Xylene	0.100	0.08391		mg/Kg		84	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-34677/2-A

Matrix: Solid

Analysis Batch: 34644

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 34677

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07327		mg/Kg		73	70 - 130	4	35
Toluene	0.100	0.08021		mg/Kg		80	70 - 130	8	35
Ethylbenzene	0.100	0.08135		mg/Kg		81	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1765		mg/Kg		88	70 - 130	7	35
o-Xylene	0.100	0.09069		mg/Kg		91	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 880-19252-A-1-E MS

Matrix: Solid

Analysis Batch: 34644

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 34677

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0998	0.08548		mg/Kg		86	70 - 130
Toluene	<0.00201	U	0.0998	0.08620		mg/Kg		86	70 - 130
Ethylbenzene	<0.00201	U	0.0998	0.08822		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1859		mg/Kg		93	70 - 130
o-Xylene	<0.00201	U	0.0998	0.09455		mg/Kg		95	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-19252-A-1-E MS

Matrix: Solid

Analysis Batch: 34644

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 34677

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-19252-A-1-F MSD

Matrix: Solid

Analysis Batch: 34644

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 34677

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0996	0.08554		mg/Kg		86	70 - 130	0	35
Toluene	<0.00201	U	0.0996	0.08821		mg/Kg		89	70 - 130	2	35
Ethylbenzene	<0.00201	U	0.0996	0.08834		mg/Kg		89	70 - 130	0	35
m-Xylene & p-Xylene	<0.00402	U	0.199	0.1887		mg/Kg		95	70 - 130	1	35
o-Xylene	<0.00201	U	0.0996	0.09680		mg/Kg		97	70 - 130	2	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: MB 880-34693/5-A

Matrix: Solid

Analysis Batch: 34745

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 34693

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/16/22 16:25	09/19/22 05:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/16/22 16:25	09/19/22 05:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/16/22 16:25	09/19/22 05:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/16/22 16:25	09/19/22 05:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/16/22 16:25	09/19/22 05:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/16/22 16:25	09/19/22 05:25	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	101		70 - 130	09/16/22 16:25	09/19/22 05:25	1			
1,4-Difluorobenzene (Surr)	112		70 - 130	09/16/22 16:25	09/19/22 05:25	1			

Lab Sample ID: LCS 880-34693/1-A

Matrix: Solid

Analysis Batch: 34745

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 34693

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08533		mg/Kg		85	70 - 130
Toluene	0.100	0.08574		mg/Kg		86	70 - 130
Ethylbenzene	0.100	0.08382		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	0.200	0.1705		mg/Kg		85	70 - 130
o-Xylene	0.100	0.08599		mg/Kg		86	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-34693/1-A

Matrix: Solid

Analysis Batch: 34745

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 34693

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

Lab Sample ID: LCSD 880-34693/2-A

Matrix: Solid

Analysis Batch: 34745

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 34693

			Spike	LCS	LCS				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene			0.100	0.08638		mg/Kg		86	70 - 130	1	35
Toluene			0.100	0.08834		mg/Kg		88	70 - 130	3	35
Ethylbenzene			0.100	0.08742		mg/Kg		87	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.1843		mg/Kg		92	70 - 130	8	35
o-Xylene			0.100	0.09310		mg/Kg		93	70 - 130	8	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-19317-A-1-G MS

Matrix: Solid

Analysis Batch: 34745

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 34693

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U F1	0.0998	0.06447	F1	mg/Kg		65	70 - 130		
Toluene	<0.00199	U F1	0.0998	0.06048	F1	mg/Kg		61	70 - 130		
Ethylbenzene	<0.00199	U F1	0.0998	0.06015	F1	mg/Kg		60	70 - 130		
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.1217	F1	mg/Kg		61	70 - 130		
o-Xylene	<0.00199	U F1	0.0998	0.06506	F1	mg/Kg		65	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-19317-A-1-H MSD

Matrix: Solid

Analysis Batch: 34745

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 34693

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U F1	0.100	0.07072		mg/Kg		70	70 - 130	9	35
Toluene	<0.00199	U F1	0.100	0.05975	F1	mg/Kg		60	70 - 130	1	35
Ethylbenzene	<0.00199	U F1	0.100	0.05638	F1	mg/Kg		56	70 - 130	6	35
m-Xylene & p-Xylene	<0.00398	U F1	0.201	0.1156	F1	mg/Kg		58	70 - 130	5	35
o-Xylene	<0.00199	U F1	0.100	0.06056	F1	mg/Kg		60	70 - 130	7	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-34395/1-A

Matrix: Solid

Analysis Batch: 34332

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 34395

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/13/22 11:35	09/13/22 19:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/13/22 11:35	09/13/22 19:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/13/22 11:35	09/13/22 19:23	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				09/13/22 11:35	09/13/22 19:23	1
o-Terphenyl	127		70 - 130				09/13/22 11:35	09/13/22 19:23	1

Lab Sample ID: LCS 880-34395/2-A

Matrix: Solid

Analysis Batch: 34332

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 34395

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	865.7		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	1000	935.5		mg/Kg		94	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	124		70 - 130				
o-Terphenyl	102		70 - 130				

Lab Sample ID: LCSD 880-34395/3-A

Matrix: Solid

Analysis Batch: 34332

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 34395

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	908.6		mg/Kg		91	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	959.4		mg/Kg		96	70 - 130	3	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	105		70 - 130						
o-Terphenyl	105		70 - 130						

Lab Sample ID: 880-19130-A-1-H MS

Matrix: Solid

Analysis Batch: 34332

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 34395

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	823.0		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	996	961.6		mg/Kg		97	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-19130-A-1-H MS

Matrix: Solid

Analysis Batch: 34332

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 34395

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Terphenyl	81		70 - 130

Lab Sample ID: 880-19130-A-1-I MSD

Matrix: Solid

Analysis Batch: 34332

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 34395

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	855.9		mg/Kg		86	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	979.6		mg/Kg		98	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	82		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-34307/1-A

Matrix: Solid

Analysis Batch: 34444

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/13/22 17:43	1

Lab Sample ID: LCS 880-34307/2-A

Matrix: Solid

Analysis Batch: 34444

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	245.4		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-34307/3-A

Matrix: Solid

Analysis Batch: 34444

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	241.5		mg/Kg		97	90 - 110	2	20

Lab Sample ID: 880-19129-5 MS

Matrix: Solid

Analysis Batch: 34444

Client Sample ID: S-2 (1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	86.6		250	350.3		mg/Kg		106	90 - 110

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-19129-5 MSD							Client Sample ID: S-2 (1')					
Matrix: Solid							Prep Type: Soluble					
Analysis Batch: 34444												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	86.6		250	349.4		mg/Kg		105	90 - 110	0	20	

QC Association Summary

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 34264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19129-1	S-1 (0-0.5')	Total/NA	Solid	5035	
880-19129-2	S-1 (1')	Total/NA	Solid	5035	
MB 880-34264/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-34264/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-34264/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-18879-A-81-G MS	Matrix Spike	Total/NA	Solid	5035	
880-18879-A-81-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 34407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19129-1	S-1 (0-0.5')	Total/NA	Solid	5035	
MB 880-34407/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-34407/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-34407/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2884-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
890-2884-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 34410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-34410/5-B	Method Blank	Total/NA	Solid	5035	

Prep Batch: 34412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19129-3	S-1 (1.5')	Total/NA	Solid	5035	
880-19129-5	S-2 (1')	Total/NA	Solid	5035	
880-19129-6	S-2 (1.5')	Total/NA	Solid	5035	
880-19129-8	S-3 (1')	Total/NA	Solid	5035	
880-19129-9	S-3 (1.5')	Total/NA	Solid	5035	
880-19129-10	H-1 (0-0.5')	Total/NA	Solid	5035	
880-19129-11	H-2 (0-0.5')	Total/NA	Solid	5035	
880-19129-12	H-3 (0-0.5')	Total/NA	Solid	5035	
MB 880-34412/5-B	Method Blank	Total/NA	Solid	5035	
LCS 880-34412/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-34412/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2943-A-1-K MS	Matrix Spike	Total/NA	Solid	5035	
890-2943-A-1-L MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 34413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-34413/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 34441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19129-1	S-1 (0-0.5')	Total/NA	Solid	8021B	34264
880-19129-2	S-1 (1')	Total/NA	Solid	8021B	34264
MB 880-34264/5-A	Method Blank	Total/NA	Solid	8021B	34264
LCS 880-34264/1-A	Lab Control Sample	Total/NA	Solid	8021B	34264
LCSD 880-34264/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	34264
880-18879-A-81-G MS	Matrix Spike	Total/NA	Solid	8021B	34264
880-18879-A-81-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	34264

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QC Association Summary

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
SDG: Eddy Co, NM

GC VOA

Analysis Batch: 34550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19129-1	S-1 (0-0.5')	Total/NA	Solid	8021B	34407
MB 880-34407/5-A	Method Blank	Total/NA	Solid	8021B	34407
LCS 880-34407/1-A	Lab Control Sample	Total/NA	Solid	8021B	34407
LCSD 880-34407/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	34407
890-2884-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	34407
890-2884-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	34407

Analysis Batch: 34552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19129-3	S-1 (1.5')	Total/NA	Solid	8021B	34412
880-19129-5	S-2 (1')	Total/NA	Solid	8021B	34412
880-19129-6	S-2 (1.5')	Total/NA	Solid	8021B	34412
880-19129-8	S-3 (1')	Total/NA	Solid	8021B	34412
880-19129-9	S-3 (1.5')	Total/NA	Solid	8021B	34412
880-19129-10	H-1 (0-0.5')	Total/NA	Solid	8021B	34412
880-19129-11	H-2 (0-0.5')	Total/NA	Solid	8021B	34412
880-19129-12	H-3 (0-0.5')	Total/NA	Solid	8021B	34412
MB 880-34412/5-B	Method Blank	Total/NA	Solid	8021B	34412
LCS 880-34412/1-A	Lab Control Sample	Total/NA	Solid	8021B	34412
LCSD 880-34412/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	34412
890-2943-A-1-K MS	Matrix Spike	Total/NA	Solid	8021B	34412
890-2943-A-1-L MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	34412

Analysis Batch: 34569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19129-1	S-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-19129-2	S-1 (1')	Total/NA	Solid	Total BTEX	
880-19129-3	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-19129-4	S-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-19129-5	S-2 (1')	Total/NA	Solid	Total BTEX	
880-19129-6	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-19129-7	S-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-19129-8	S-3 (1')	Total/NA	Solid	Total BTEX	
880-19129-9	S-3 (1.5')	Total/NA	Solid	Total BTEX	
880-19129-10	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-19129-11	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-19129-12	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-19129-13	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	

Analysis Batch: 34644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19129-1	S-1 (0-0.5')	Total/NA	Solid	8021B	34677
880-19129-4	S-2 (0-0.5')	Total/NA	Solid	8021B	34677
880-19129-5	S-2 (1')	Total/NA	Solid	8021B	34677
880-19129-13	H-4 (0-0.5')	Total/NA	Solid	8021B	34645
MB 880-34413/5-A	Method Blank	Total/NA	Solid	8021B	34413
MB 880-34645/5-A	Method Blank	Total/NA	Solid	8021B	34645
MB 880-34677/5-A	Method Blank	Total/NA	Solid	8021B	34677
LCS 880-34645/1-A	Lab Control Sample	Total/NA	Solid	8021B	34645
LCS 880-34677/1-A	Lab Control Sample	Total/NA	Solid	8021B	34677
LCSD 880-34645/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	34645

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QC Association Summary

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
SDG: Eddy Co, NM

GC VOA (Continued)

Analysis Batch: 34644 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-34677/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	34677
880-19252-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	34677
880-19252-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	34677
890-2943-A-20-E MS	Matrix Spike	Total/NA	Solid	8021B	34645
890-2943-A-20-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	34645

Prep Batch: 34645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19129-13	H-4 (0-0.5')	Total/NA	Solid	5035	
MB 880-34645/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-34645/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-34645/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2943-A-20-E MS	Matrix Spike	Total/NA	Solid	5035	
890-2943-A-20-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 34677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19129-1	S-1 (0-0.5')	Total/NA	Solid	5035	
880-19129-4	S-2 (0-0.5')	Total/NA	Solid	5035	
880-19129-5	S-2 (1')	Total/NA	Solid	5035	
MB 880-34677/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-34677/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-34677/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-19252-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-19252-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 34693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19129-7	S-3 (0-0.5')	Total/NA	Solid	5035	
MB 880-34693/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-34693/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-34693/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-19317-A-1-G MS	Matrix Spike	Total/NA	Solid	5035	
880-19317-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 34745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19129-7	S-3 (0-0.5')	Total/NA	Solid	8021B	34693
MB 880-34410/5-B	Method Blank	Total/NA	Solid	8021B	34410
MB 880-34693/5-A	Method Blank	Total/NA	Solid	8021B	34693
LCS 880-34693/1-A	Lab Control Sample	Total/NA	Solid	8021B	34693
LCSD 880-34693/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	34693
880-19317-A-1-G MS	Matrix Spike	Total/NA	Solid	8021B	34693
880-19317-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	34693

GC Semi VOA

Analysis Batch: 34332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19129-1	S-1 (0-0.5')	Total/NA	Solid	8015B NM	34395
880-19129-2	S-1 (1')	Total/NA	Solid	8015B NM	34395

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-19129-1

Project/Site: SRO State Com 18H (08.08.22)

SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 34332 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19129-3	S-1 (1.5')	Total/NA	Solid	8015B NM	34395
880-19129-4	S-2 (0-0.5')	Total/NA	Solid	8015B NM	34395
880-19129-5	S-2 (1')	Total/NA	Solid	8015B NM	34395
880-19129-6	S-2 (1.5')	Total/NA	Solid	8015B NM	34395
880-19129-7	S-3 (0-0.5')	Total/NA	Solid	8015B NM	34395
880-19129-8	S-3 (1')	Total/NA	Solid	8015B NM	34395
880-19129-9	S-3 (1.5')	Total/NA	Solid	8015B NM	34395
880-19129-10	H-1 (0-0.5')	Total/NA	Solid	8015B NM	34395
880-19129-11	H-2 (0-0.5')	Total/NA	Solid	8015B NM	34395
880-19129-12	H-3 (0-0.5')	Total/NA	Solid	8015B NM	34395
880-19129-13	H-4 (0-0.5')	Total/NA	Solid	8015B NM	34395
MB 880-34395/1-A	Method Blank	Total/NA	Solid	8015B NM	34395
LCS 880-34395/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	34395
LCSD 880-34395/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	34395
880-19130-A-1-H MS	Matrix Spike	Total/NA	Solid	8015B NM	34395
880-19130-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	34395

Prep Batch: 34395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19129-1	S-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-19129-2	S-1 (1')	Total/NA	Solid	8015NM Prep	
880-19129-3	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-19129-4	S-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-19129-5	S-2 (1')	Total/NA	Solid	8015NM Prep	
880-19129-6	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-19129-7	S-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-19129-8	S-3 (1')	Total/NA	Solid	8015NM Prep	
880-19129-9	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-19129-10	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-19129-11	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-19129-12	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-19129-13	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-34395/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-34395/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-34395/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-19130-A-1-H MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-19130-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 34476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19129-1	S-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-19129-2	S-1 (1')	Total/NA	Solid	8015 NM	
880-19129-3	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-19129-4	S-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-19129-5	S-2 (1')	Total/NA	Solid	8015 NM	
880-19129-6	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-19129-7	S-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-19129-8	S-3 (1')	Total/NA	Solid	8015 NM	
880-19129-9	S-3 (1.5')	Total/NA	Solid	8015 NM	
880-19129-10	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-19129-11	H-2 (0-0.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 34476 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19129-12	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-19129-13	H-4 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 34307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19129-1	S-1 (0-0.5')	Soluble	Solid	DI Leach	
880-19129-2	S-1 (1')	Soluble	Solid	DI Leach	
880-19129-3	S-1 (1.5')	Soluble	Solid	DI Leach	
880-19129-4	S-2 (0-0.5')	Soluble	Solid	DI Leach	
880-19129-5	S-2 (1')	Soluble	Solid	DI Leach	
880-19129-6	S-2 (1.5')	Soluble	Solid	DI Leach	
880-19129-7	S-3 (0-0.5')	Soluble	Solid	DI Leach	
880-19129-8	S-3 (1')	Soluble	Solid	DI Leach	
880-19129-9	S-3 (1.5')	Soluble	Solid	DI Leach	
880-19129-10	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-19129-11	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-19129-12	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-19129-13	H-4 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-34307/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-34307/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-34307/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-19129-5 MS	S-2 (1')	Soluble	Solid	DI Leach	
880-19129-5 MSD	S-2 (1')	Soluble	Solid	DI Leach	

Analysis Batch: 34444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19129-1	S-1 (0-0.5')	Soluble	Solid	300.0	34307
880-19129-2	S-1 (1')	Soluble	Solid	300.0	34307
880-19129-3	S-1 (1.5')	Soluble	Solid	300.0	34307
880-19129-4	S-2 (0-0.5')	Soluble	Solid	300.0	34307
880-19129-5	S-2 (1')	Soluble	Solid	300.0	34307
880-19129-6	S-2 (1.5')	Soluble	Solid	300.0	34307
880-19129-7	S-3 (0-0.5')	Soluble	Solid	300.0	34307
880-19129-8	S-3 (1')	Soluble	Solid	300.0	34307
880-19129-9	S-3 (1.5')	Soluble	Solid	300.0	34307
880-19129-10	H-1 (0-0.5')	Soluble	Solid	300.0	34307
880-19129-11	H-2 (0-0.5')	Soluble	Solid	300.0	34307
880-19129-12	H-3 (0-0.5')	Soluble	Solid	300.0	34307
880-19129-13	H-4 (0-0.5')	Soluble	Solid	300.0	34307
MB 880-34307/1-A	Method Blank	Soluble	Solid	300.0	34307
LCS 880-34307/2-A	Lab Control Sample	Soluble	Solid	300.0	34307
LCSD 880-34307/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	34307
880-19129-5 MS	S-2 (1')	Soluble	Solid	300.0	34307
880-19129-5 MSD	S-2 (1')	Soluble	Solid	300.0	34307

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-19129-1

Date Collected: 09/12/22 00:00

Matrix: Solid

Date Received: 09/13/22 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	34677	09/16/22 13:13	MR	EET MID
Total/NA	Analysis	8021B		200	5 mL	5 mL	34644	09/18/22 03:02	MR	EET MID
Total/NA	Prep	5035			5.00 g	5 mL	34264	09/14/22 09:19	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34441	09/14/22 18:18	MR	EET MID
Total/NA	Prep	5035			4.96 g	5 mL	34407	09/13/22 17:00	MR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	34550	09/15/22 18:57	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34569	09/15/22 10:21	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34476	09/14/22 09:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34395	09/13/22 11:35	DM	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	34332	09/14/22 03:35	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	34307	09/13/22 12:20	KS	EET MID
Soluble	Analysis	300.0		1			34444	09/13/22 18:46	CH	EET MID

Client Sample ID: S-1 (1')

Lab Sample ID: 880-19129-2

Date Collected: 09/12/22 00:00

Matrix: Solid

Date Received: 09/13/22 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	34264	09/14/22 09:19	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34441	09/14/22 18:39	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34569	09/15/22 10:21	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34476	09/14/22 09:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	34395	09/13/22 11:35	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34332	09/13/22 23:39	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	34307	09/13/22 12:20	KS	EET MID
Soluble	Analysis	300.0		1			34444	09/13/22 18:51	CH	EET MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-19129-3

Date Collected: 09/12/22 00:00

Matrix: Solid

Date Received: 09/13/22 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	34412	09/13/22 14:24	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34552	09/16/22 02:15	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34569	09/15/22 10:21	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34476	09/14/22 09:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	34395	09/13/22 11:35	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34332	09/14/22 00:01	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	34307	09/13/22 12:20	KS	EET MID
Soluble	Analysis	300.0		1			34444	09/13/22 18:56	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-19129-4

Date Collected: 09/12/22 00:00

Matrix: Solid

Date Received: 09/13/22 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	34677	09/16/22 13:13	MR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	34644	09/18/22 03:22	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34569	09/15/22 10:21	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34476	09/14/22 09:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34395	09/13/22 11:35	DM	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	34332	09/14/22 03:56	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	34307	09/13/22 12:20	KS	EET MID
Soluble	Analysis	300.0		1			34444	09/13/22 19:00	CH	EET MID

Client Sample ID: S-2 (1')

Lab Sample ID: 880-19129-5

Date Collected: 09/12/22 00:00

Matrix: Solid

Date Received: 09/13/22 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	34677	09/16/22 13:13	MR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	34644	09/18/22 03:43	MR	EET MID
Total/NA	Prep	5035			4.96 g	5 mL	34412	09/13/22 14:24	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34552	09/16/22 03:06	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34569	09/15/22 10:21	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34476	09/14/22 09:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	34395	09/13/22 11:35	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34332	09/14/22 00:22	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	34307	09/13/22 12:20	KS	EET MID
Soluble	Analysis	300.0		1			34444	09/13/22 19:05	CH	EET MID

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-19129-6

Date Collected: 09/12/22 00:00

Matrix: Solid

Date Received: 09/13/22 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	34412	09/13/22 14:24	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34552	09/16/22 03:32	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34569	09/15/22 10:21	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34476	09/14/22 09:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	34395	09/13/22 11:35	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34332	09/14/22 01:05	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	34307	09/13/22 12:20	KS	EET MID
Soluble	Analysis	300.0		1			34444	09/13/22 19:20	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-19129-7

Date Collected: 09/12/22 00:00

Matrix: Solid

Date Received: 09/13/22 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	34693	09/16/22 16:25	MR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	34745	09/19/22 13:04	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34569	09/15/22 10:21	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34476	09/14/22 09:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34395	09/13/22 11:35	DM	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	34332	09/14/22 04:18	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	34307	09/13/22 12:20	KS	EET MID
Soluble	Analysis	300.0		1			34444	09/13/22 19:25	CH	EET MID

Client Sample ID: S-3 (1')

Lab Sample ID: 880-19129-8

Date Collected: 09/12/22 00:00

Matrix: Solid

Date Received: 09/13/22 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			4.95 g	5 mL	34412	09/13/22 14:24	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34552	09/16/22 04:23	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34569	09/15/22 10:21	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34476	09/14/22 09:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	34395	09/13/22 11:35	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34332	09/14/22 01:26	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	34307	09/13/22 12:20	KS	EET MID
Soluble	Analysis	300.0		1			34444	09/13/22 19:40	CH	EET MID

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-19129-9

Date Collected: 09/12/22 00:00

Matrix: Solid

Date Received: 09/13/22 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	34412	09/13/22 14:24	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34552	09/16/22 04:49	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34569	09/15/22 10:21	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34476	09/14/22 09:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	34395	09/13/22 11:35	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34332	09/14/22 01:48	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	34307	09/13/22 12:20	KS	EET MID
Soluble	Analysis	300.0		1			34444	09/13/22 19:44	CH	EET MID

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

Lab Sample ID: 880-19129-10

Date Collected: 09/12/22 00:00

Matrix: Solid

Date Received: 09/13/22 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	34412	09/13/22 14:24	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34552	09/16/22 05:14	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34569	09/15/22 10:21	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
SDG: Eddy Co, NM

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

Date Collected: 09/12/22 00:00

Date Received: 09/13/22 10:45

Lab Sample ID: 880-19129-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			34476	09/14/22 09:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	34395	09/13/22 11:35	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34332	09/14/22 02:09	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	34307	09/13/22 12:20	KS	EET MID
Soluble	Analysis	300.0		1			34444	09/13/22 19:49	CH	EET MID

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

Date Collected: 09/12/22 00:00

Date Received: 09/13/22 10:45

Lab Sample ID: 880-19129-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	34412	09/13/22 14:24	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34552	09/16/22 05:40	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34569	09/15/22 10:21	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34476	09/14/22 09:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	34395	09/13/22 11:35	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34332	09/14/22 02:31	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	34307	09/13/22 12:20	KS	EET MID
Soluble	Analysis	300.0		1			34444	09/13/22 19:54	CH	EET MID

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

Date Collected: 09/12/22 00:00

Date Received: 09/13/22 10:45

Lab Sample ID: 880-19129-12

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	34412	09/13/22 14:24	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34552	09/16/22 09:18	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34569	09/15/22 10:21	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34476	09/14/22 09:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	34395	09/13/22 11:35	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34332	09/14/22 02:52	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	34307	09/13/22 12:20	KS	EET MID
Soluble	Analysis	300.0		1			34444	09/13/22 19:59	CH	EET MID

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

Date Collected: 09/12/22 00:00

Date Received: 09/13/22 10:45

Lab Sample ID: 880-19129-13

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			4.99 g	5 mL	34645	09/16/22 09:35	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34644	09/16/22 20:16	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34569	09/15/22 10:21	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34476	09/14/22 09:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	34395	09/13/22 11:35	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34332	09/14/22 03:13	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
SDG: Eddy Co, NM

Client Sample ID: H-4 (0-0.5')
Date Collected: 09/12/22 00:00
Date Received: 09/13/22 10:45

Lab Sample ID: 880-19129-13
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			5.03 g	50 mL	34307	09/13/22 12:20	KS	EET MID
Soluble	Analysis	300.0		1			34444	09/13/22 20:04	CH	EET MID

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
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

Job ID: 880-19129-1

Project/Site: SRO State Com 18H (08.08.22)

SDG: Eddy Co, NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19129-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-19129-1	S-1 (0-0.5')	Solid	09/12/22 00:00	09/13/22 10:45
880-19129-2	S-1 (1')	Solid	09/12/22 00:00	09/13/22 10:45
880-19129-3	S-1 (1.5')	Solid	09/12/22 00:00	09/13/22 10:45
880-19129-4	S-2 (0-0.5')	Solid	09/12/22 00:00	09/13/22 10:45
880-19129-5	S-2 (1')	Solid	09/12/22 00:00	09/13/22 10:45
880-19129-6	S-2 (1.5')	Solid	09/12/22 00:00	09/13/22 10:45
880-19129-7	S-3 (0-0.5')	Solid	09/12/22 00:00	09/13/22 10:45
880-19129-8	S-3 (1')	Solid	09/12/22 00:00	09/13/22 10:45
880-19129-9	S-3 (1.5')	Solid	09/12/22 00:00	09/13/22 10:45
880-19129-10	H-1 (0-0.5')	Solid	09/12/22 00:00	09/13/22 10:45
880-19129-11	H-2 (0-0.5')	Solid	09/12/22 00:00	09/13/22 10:45
880-19129-12	H-3 (0-0.5')	Solid	09/12/22 00:00	09/13/22 10:45
880-19129-13	H-4 (0-0.5')	Solid	09/12/22 00:00	09/13/22 10:45

Work Order No: 19129

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@conocophillips.com

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

Project Name	SRO State Com 18H (08 08 22)	Turn Around	☐ Routine ☒ Rush	Pres. Code		ANALYSIS REQUEST										Preservative Codes				
Project Number	1126	Due Date	72 Hr													None NO	DI Water H ₂ O			
Project Location	Eddy Co, NM	TAT starts the day received by the lab, if received by 4:30pm														Cool Cool	MeOH Me			
Sampler's Name	CCM															HCL, HC	HNO ₃ HN			
PO #																H ₂ SO ₄ , H ₂	NaOH Na			
SAMPLE RECEIPT	Tamp. Blank	Yes	No	Yes	No	Wet Ice	Yes	No											H ₃ PO ₄ , HP	
Received Intact:	Yes	No	Thermometer ID	Yes	No											NaHSO ₄ , NABIS				
Cooler Custody Seals:	Yes	No	Correction Factor	Yes	No											Na ₂ S ₂ O ₃ , NaSO ₃				
Sample Custody Seals:	Yes	No	Temperature Reading	Yes	No											Zn Acetate+NaOH Zn				
Total Containers			Corrected Temperature	Yes	No											NaOH+Ascorbic Acid SAPC				

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	TPH										Sample Comments		
S-1 (0-0.5')	9/12/2022		X		G	1	X	X	X										
S-1 (1')	9/12/2022		X		G	1	X	X	X										
S-1 (1.5')	9/12/2022		X		G	1	X	X	X										
S-2 (0-0.5')	9/12/2022		X		G	1	X	X	X										
S-2 (1')	9/12/2022		X		G	1	X	X	X										
S-2 (1.5')	9/12/2022		X		G	1	X	X	X										
S-3 (0-0.5')	9/12/2022		X		G	1	X	X	X										
S-3 (1')	9/12/2022		X		G	1	X	X	X										
S-3 (1.5')	9/12/2022		X		G	1	X	X	X										
H-1 (0-0.5')	9/12/2022		X		G	1	X	X	X										



880-19129 Chain of Custody



880-19129 Chain of Custody

Relinquished by (Signature)		Date/Time	Received by (Signature)		Date/Time
<i>Conner Moehring</i>		9/13/22 1045	<i>[Signature]</i>		

Work Order No: 19129

Page 2 of 2

Project Manager	Conner Moehring	Bill to (if different)	Jacqu 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 ☐ PRR ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ PST/UST ☐ RRRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other: _____	

[illegible]

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-19129-1

SDG Number: Eddy Co, NM

Login Number: 19129

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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



Environment Testing
America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-19906-1

Laboratory Sample Delivery Group: Eddy Co., NM
Client Project/Site: SRO State Com 18H (08.08.22)

For:

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

Attn: Conner Moehring

Authorized for release by:

10/5/2022 3:17:03 PM

Brianna Teel, Project Manager
(432)704-5440

Brianna.Teel@et.eurofinsus.com

Designee for

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: SRO State Com 18H (08.08.22)

Laboratory Job ID: 880-19906-1
SDG: Eddy Co., NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19906-1
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
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19906-1
SDG: Eddy Co., NM

Job ID: 880-19906-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-19906-1

Receipt

The samples were received on 10/4/2022 8:22 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.6°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-36064 and analytical batch 880-36055 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-36064/1-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-19906-A-1-I 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: CS-1 (2.5') (880-19906-1) and CS-2 (2.5') (880-19906-2). 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: CS-8 (3') (880-19906-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW-3 (3') (880-19906-12), SW-4 (2.5') (880-19906-13) and SW-5 (1.5') (880-19906-14). Evidence of matrix interferences is not obvious.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-36053 and analytical batch 880-36023 was outside the upper control limits.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-36035 and 880-36035 and analytical batch 880-36063 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19906-1
SDG: Eddy Co., NM

Client Sample ID: CS-1 (2.5')

Lab Sample ID: 880-19906-1

Date Collected: 09/30/22 00:00

Matrix: Solid

Date Received: 10/04/22 08:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U F2 F1	0.00198		mg/Kg		10/04/22 14:05	10/05/22 06:00	1
Toluene	<0.00198	U F2 F1	0.00198		mg/Kg		10/04/22 14:05	10/05/22 06:00	1
Ethylbenzene	<0.00198	U F2 F1	0.00198		mg/Kg		10/04/22 14:05	10/05/22 06:00	1
m-Xylene & p-Xylene	<0.00396	U F2 F1	0.00396		mg/Kg		10/04/22 14:05	10/05/22 06:00	1
o-Xylene	<0.00198	U F2 F1	0.00198		mg/Kg		10/04/22 14:05	10/05/22 06:00	1
Xylenes, Total	<0.00396	U F2 F1	0.00396		mg/Kg		10/04/22 14:05	10/05/22 06:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130	10/04/22 14:05	10/05/22 06:00	1
1,4-Difluorobenzene (Surr)	86		70 - 130	10/04/22 14:05	10/05/22 06:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/05/22 12:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	70.1		50.0		mg/Kg			10/05/22 09:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/04/22 10:00	10/04/22 12:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/04/22 10:00	10/04/22 12:17	1
Oil Range Organics (Over C28-C36)	70.1		50.0		mg/Kg		10/04/22 10:00	10/04/22 12:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	10/04/22 10:00	10/04/22 12:17	1
o-Terphenyl	97		70 - 130	10/04/22 10:00	10/04/22 12:17	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.0	F1	5.05		mg/Kg			10/04/22 15:17	1

Client Sample ID: CS-2 (2.5')

Lab Sample ID: 880-19906-2

Date Collected: 09/30/22 00:00

Matrix: Solid

Date Received: 10/04/22 08:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/04/22 14:05	10/05/22 06:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/04/22 14:05	10/05/22 06:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/04/22 14:05	10/05/22 06:25	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/04/22 14:05	10/05/22 06:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/04/22 14:05	10/05/22 06:25	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/04/22 14:05	10/05/22 06:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	10/04/22 14:05	10/05/22 06:25	1
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130	10/04/22 14:05	10/05/22 06:25	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19906-1
SDG: Eddy Co., NM

Client Sample ID: CS-2 (2.5')

Lab Sample ID: 880-19906-2

Date Collected: 09/30/22 00:00

Matrix: Solid

Date Received: 10/04/22 08:22

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/05/22 12:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/05/22 09:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/04/22 10:00	10/04/22 13:19	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/04/22 10:00	10/04/22 13:19	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/04/22 10:00	10/04/22 13:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				10/04/22 10:00	10/04/22 13:19	1
o-Terphenyl	88		70 - 130				10/04/22 10:00	10/04/22 13:19	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.9		5.02		mg/Kg			10/04/22 15:38	1

Client Sample ID: CS-3 (2.5')

Lab Sample ID: 880-19906-3

Date Collected: 09/30/22 00:00

Matrix: Solid

Date Received: 10/04/22 08:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/04/22 14:05	10/05/22 06:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/04/22 14:05	10/05/22 06:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/04/22 14:05	10/05/22 06:51	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/04/22 14:05	10/05/22 06:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/04/22 14:05	10/05/22 06:51	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/04/22 14:05	10/05/22 06:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				10/04/22 14:05	10/05/22 06:51	1
1,4-Difluorobenzene (Surr)	73		70 - 130				10/04/22 14:05	10/05/22 06:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/05/22 12:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/05/22 09:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/04/22 10:00	10/04/22 13:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/04/22 10:00	10/04/22 13:40	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19906-1
SDG: Eddy Co., NM

Client Sample ID: CS-3 (2.5')

Date Collected: 09/30/22 00:00

Date Received: 10/04/22 08:22

Lab Sample ID: 880-19906-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/04/22 10:00	10/04/22 13:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				10/04/22 10:00	10/04/22 13:40	1
o-Terphenyl	93		70 - 130				10/04/22 10:00	10/04/22 13:40	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.4		5.03		mg/Kg			10/04/22 15:45	1

Client Sample ID: CS-4 (3')

Date Collected: 09/30/22 00:00

Date Received: 10/04/22 08:22

Lab Sample ID: 880-19906-4

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/04/22 14:05	10/05/22 07:17	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/04/22 14:05	10/05/22 07:17	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/04/22 14:05	10/05/22 07:17	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/04/22 14:05	10/05/22 07:17	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/04/22 14:05	10/05/22 07:17	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/04/22 14:05	10/05/22 07:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				10/04/22 14:05	10/05/22 07:17	1
1,4-Difluorobenzene (Surr)	82		70 - 130				10/04/22 14:05	10/05/22 07:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			10/05/22 12:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/05/22 09:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/04/22 10:00	10/04/22 14:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/04/22 10:00	10/04/22 14:01	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/04/22 10:00	10/04/22 14:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				10/04/22 10:00	10/04/22 14:01	1
o-Terphenyl	88		70 - 130				10/04/22 10:00	10/04/22 14:01	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.2		4.99		mg/Kg			10/04/22 15:52	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19906-1
SDG: Eddy Co., NM

Client Sample ID: CS-5 (3')

Lab Sample ID: 880-19906-5

Date Collected: 09/30/22 00:00

Matrix: Solid

Date Received: 10/04/22 08:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/04/22 14:05	10/05/22 07:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/04/22 14:05	10/05/22 07:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/04/22 14:05	10/05/22 07:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/04/22 14:05	10/05/22 07:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/04/22 14:05	10/05/22 07:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/04/22 14:05	10/05/22 07:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	10/04/22 14:05	10/05/22 07:44	1
1,4-Difluorobenzene (Surr)	85		70 - 130	10/04/22 14:05	10/05/22 07:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/05/22 12:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/05/22 09:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/04/22 10:00	10/04/22 14:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/04/22 10:00	10/04/22 14:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/04/22 10:00	10/04/22 14:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	10/04/22 10:00	10/04/22 14:22	1
o-Terphenyl	98		70 - 130	10/04/22 10:00	10/04/22 14:22	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.0		4.97		mg/Kg			10/04/22 15:59	1

Client Sample ID: CS-6 (3')

Lab Sample ID: 880-19906-6

Date Collected: 09/30/22 00:00

Matrix: Solid

Date Received: 10/04/22 08:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/04/22 14:05	10/05/22 08:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/04/22 14:05	10/05/22 08:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/04/22 14:05	10/05/22 08:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/04/22 14:05	10/05/22 08:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/04/22 14:05	10/05/22 08:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/04/22 14:05	10/05/22 08:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	10/04/22 14:05	10/05/22 08:10	1
1,4-Difluorobenzene (Surr)	73		70 - 130	10/04/22 14:05	10/05/22 08:10	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19906-1
SDG: Eddy Co., NM

Client Sample ID: CS-6 (3')

Lab Sample ID: 880-19906-6

Date Collected: 09/30/22 00:00

Matrix: Solid

Date Received: 10/04/22 08:22

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/05/22 12:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/05/22 09:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/04/22 10:00	10/04/22 14:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/04/22 10:00	10/04/22 14:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/04/22 10:00	10/04/22 14:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				10/04/22 10:00	10/04/22 14:44	1
o-Terphenyl	81		70 - 130				10/04/22 10:00	10/04/22 14:44	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.0		4.97		mg/Kg			10/04/22 16:19	1

Client Sample ID: CS-7 (3')

Lab Sample ID: 880-19906-7

Date Collected: 09/30/22 00:00

Matrix: Solid

Date Received: 10/04/22 08:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/04/22 14:05	10/05/22 08:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/04/22 14:05	10/05/22 08:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/04/22 14:05	10/05/22 08:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/04/22 14:05	10/05/22 08:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/04/22 14:05	10/05/22 08:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/04/22 14:05	10/05/22 08:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				10/04/22 14:05	10/05/22 08:37	1
1,4-Difluorobenzene (Surr)	89		70 - 130				10/04/22 14:05	10/05/22 08:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/05/22 12:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/05/22 09:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/04/22 10:00	10/04/22 15:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/04/22 10:00	10/04/22 15:05	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19906-1
SDG: Eddy Co., NM

Client Sample ID: CS-7 (3')

Date Collected: 09/30/22 00:00

Date Received: 10/04/22 08:22

Lab Sample ID: 880-19906-7

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/04/22 10:00	10/04/22 15:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				10/04/22 10:00	10/04/22 15:05	1
o-Terphenyl	88		70 - 130				10/04/22 10:00	10/04/22 15:05	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.8		5.00		mg/Kg			10/04/22 16:26	1

Client Sample ID: CS-8 (3')

Date Collected: 09/30/22 00:00

Date Received: 10/04/22 08:22

Lab Sample ID: 880-19906-8

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/04/22 14:05	10/05/22 09:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/04/22 14:05	10/05/22 09:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/04/22 14:05	10/05/22 09:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/04/22 14:05	10/05/22 09:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/04/22 14:05	10/05/22 09:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/04/22 14:05	10/05/22 09:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	173	S1+	70 - 130				10/04/22 14:05	10/05/22 09:03	1
1,4-Difluorobenzene (Surr)	97		70 - 130				10/04/22 14:05	10/05/22 09:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/05/22 12:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/05/22 09:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/04/22 10:04	10/04/22 12:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/04/22 10:04	10/04/22 12:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/04/22 10:04	10/04/22 12:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				10/04/22 10:04	10/04/22 12:17	1
o-Terphenyl	96		70 - 130				10/04/22 10:04	10/04/22 12:17	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.0		5.01		mg/Kg			10/04/22 16:33	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19906-1
SDG: Eddy Co., NM

Client Sample ID: CS-9 (3')

Lab Sample ID: 880-19906-9

Date Collected: 09/30/22 00:00

Matrix: Solid

Date Received: 10/04/22 08:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/04/22 14:05	10/05/22 09:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/04/22 14:05	10/05/22 09:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/04/22 14:05	10/05/22 09:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/04/22 14:05	10/05/22 09:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/04/22 14:05	10/05/22 09:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/04/22 14:05	10/05/22 09:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	71		70 - 130	10/04/22 14:05	10/05/22 09:30	1
1,4-Difluorobenzene (Surr)	121		70 - 130	10/04/22 14:05	10/05/22 09:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/05/22 12:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/05/22 09:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/04/22 10:04	10/04/22 13:19	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/04/22 10:04	10/04/22 13:19	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/04/22 10:04	10/04/22 13:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	10/04/22 10:04	10/04/22 13:19	1
o-Terphenyl	106		70 - 130	10/04/22 10:04	10/04/22 13:19	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.9		5.02		mg/Kg			10/04/22 16:40	1

Client Sample ID: SW-1 (2.5')

Lab Sample ID: 880-19906-10

Date Collected: 09/30/22 00:00

Matrix: Solid

Date Received: 10/04/22 08:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/04/22 14:05	10/05/22 09:56	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/04/22 14:05	10/05/22 09:56	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/04/22 14:05	10/05/22 09:56	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/04/22 14:05	10/05/22 09:56	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/04/22 14:05	10/05/22 09:56	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/04/22 14:05	10/05/22 09:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	10/04/22 14:05	10/05/22 09:56	1
1,4-Difluorobenzene (Surr)	112		70 - 130	10/04/22 14:05	10/05/22 09:56	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19906-1
SDG: Eddy Co., NM

Client Sample ID: SW-1 (2.5')

Lab Sample ID: 880-19906-10

Date Collected: 09/30/22 00:00

Matrix: Solid

Date Received: 10/04/22 08:22

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			10/05/22 12:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/05/22 09:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/04/22 10:04	10/04/22 13:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/04/22 10:04	10/04/22 13:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/04/22 10:04	10/04/22 13:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				10/04/22 10:04	10/04/22 13:40	1
o-Terphenyl	108		70 - 130				10/04/22 10:04	10/04/22 13:40	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.4		5.03		mg/Kg			10/04/22 16:47	1

Client Sample ID: SW-2 (2.5')

Lab Sample ID: 880-19906-11

Date Collected: 09/30/22 00:00

Matrix: Solid

Date Received: 10/04/22 08:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/04/22 14:05	10/05/22 11:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/04/22 14:05	10/05/22 11:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/04/22 14:05	10/05/22 11:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/04/22 14:05	10/05/22 11:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/04/22 14:05	10/05/22 11:40	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/04/22 14:05	10/05/22 11:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				10/04/22 14:05	10/05/22 11:40	1
1,4-Difluorobenzene (Surr)	89		70 - 130				10/04/22 14:05	10/05/22 11:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/05/22 12:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/05/22 09:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/04/22 10:04	10/04/22 14:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/04/22 10:04	10/04/22 14:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19906-1
SDG: Eddy Co., NM

Client Sample ID: SW-2 (2.5')

Date Collected: 09/30/22 00:00

Date Received: 10/04/22 08:22

Lab Sample ID: 880-19906-11

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/04/22 10:04	10/04/22 14:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				10/04/22 10:04	10/04/22 14:01	1
o-Terphenyl	106		70 - 130				10/04/22 10:04	10/04/22 14:01	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.3	F1	4.99		mg/Kg			10/04/22 16:54	1

Client Sample ID: SW-3 (3')

Date Collected: 09/30/22 00:00

Date Received: 10/04/22 08:22

Lab Sample ID: 880-19906-12

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/04/22 14:05	10/05/22 12:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/04/22 14:05	10/05/22 12:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/04/22 14:05	10/05/22 12:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/04/22 14:05	10/05/22 12:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/04/22 14:05	10/05/22 12:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/04/22 14:05	10/05/22 12:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130				10/04/22 14:05	10/05/22 12:07	1
1,4-Difluorobenzene (Surr)	11	S1-	70 - 130				10/04/22 14:05	10/05/22 12:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/05/22 12:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/05/22 09:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/04/22 10:04	10/04/22 14:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/04/22 10:04	10/04/22 14:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/04/22 10:04	10/04/22 14:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				10/04/22 10:04	10/04/22 14:22	1
o-Terphenyl	104		70 - 130				10/04/22 10:04	10/04/22 14:22	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.4		5.04		mg/Kg			10/04/22 17:15	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19906-1
SDG: Eddy Co., NM

Client Sample ID: SW-4 (2.5')

Lab Sample ID: 880-19906-13

Date Collected: 09/30/22 00:00

Matrix: Solid

Date Received: 10/04/22 08:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/04/22 14:05	10/05/22 12:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/04/22 14:05	10/05/22 12:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/04/22 14:05	10/05/22 12:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/04/22 14:05	10/05/22 12:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/04/22 14:05	10/05/22 12:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/04/22 14:05	10/05/22 12:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	156	S1+	70 - 130	10/04/22 14:05	10/05/22 12:33	1
1,4-Difluorobenzene (Surr)	104		70 - 130	10/04/22 14:05	10/05/22 12:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/05/22 12:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/05/22 09:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/04/22 10:04	10/04/22 14:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/04/22 10:04	10/04/22 14:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/04/22 10:04	10/04/22 14:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	10/04/22 10:04	10/04/22 14:44	1
o-Terphenyl	99		70 - 130	10/04/22 10:04	10/04/22 14:44	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.5		5.05		mg/Kg			10/04/22 17:21	1

Client Sample ID: SW-5 (1.5')

Lab Sample ID: 880-19906-14

Date Collected: 09/30/22 00:00

Matrix: Solid

Date Received: 10/04/22 08:22

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/04/22 14:05	10/05/22 12:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/04/22 14:05	10/05/22 12:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/04/22 14:05	10/05/22 12:59	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/04/22 14:05	10/05/22 12:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/04/22 14:05	10/05/22 12:59	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/04/22 14:05	10/05/22 12:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	10/04/22 14:05	10/05/22 12:59	1
1,4-Difluorobenzene (Surr)	88		70 - 130	10/04/22 14:05	10/05/22 12:59	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19906-1
SDG: Eddy Co., NM

Client Sample ID: SW-5 (1.5')

Lab Sample ID: 880-19906-14

Date Collected: 09/30/22 00:00

Matrix: Solid

Date Received: 10/04/22 08:22

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/05/22 12:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/05/22 09:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/04/22 10:04	10/04/22 15:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/04/22 10:04	10/04/22 15:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/04/22 10:04	10/04/22 15:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				10/04/22 10:04	10/04/22 15:05	1
o-Terphenyl	105		70 - 130				10/04/22 10:04	10/04/22 15:05	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.5		4.97		mg/Kg			10/04/22 17:42	1

Surrogate Summary

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19906-1
SDG: Eddy Co., NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-19906-1	CS-1 (2.5')	136 S1+	86
880-19906-1 MS	CS-1 (2.5')	123	84
880-19906-1 MSD	CS-1 (2.5')	138 S1+	93
880-19906-2	CS-2 (2.5')	120	68 S1-
880-19906-3	CS-3 (2.5')	91	73
880-19906-4	CS-4 (3')	92	82
880-19906-5	CS-5 (3')	127	85
880-19906-6	CS-6 (3')	107	73
880-19906-7	CS-7 (3')	101	89
880-19906-8	CS-8 (3')	173 S1+	97
880-19906-9	CS-9 (3')	71	121
880-19906-10	SW-1 (2.5')	81	112
880-19906-11	SW-2 (2.5')	88	89
880-19906-12	SW-3 (3')	140 S1+	11 S1-
880-19906-13	SW-4 (2.5')	156 S1+	104
880-19906-14	SW-5 (1.5')	125	88
LCS 880-36064/1-A	Lab Control Sample	138 S1+	92
LCSD 880-36064/2-A	Lab Control Sample Dup	126	88
MB 880-36062/5-A	Method Blank	86	88
MB 880-36064/5-A	Method Blank	90	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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-19906-1	CS-1 (2.5')	92	97
880-19906-1 MS	CS-1 (2.5')	89	83
880-19906-1 MSD	CS-1 (2.5')	79	72
880-19906-2	CS-2 (2.5')	85	88
880-19906-3	CS-3 (2.5')	86	93
880-19906-4	CS-4 (3')	89	88
880-19906-5	CS-5 (3')	93	98
880-19906-6	CS-6 (3')	81	81
880-19906-7	CS-7 (3')	85	88
880-19906-8	CS-8 (3')	91	96
880-19906-8 MS	CS-8 (3')	91	84
880-19906-8 MSD	CS-8 (3')	91	82
880-19906-9	CS-9 (3')	99	106
880-19906-10	SW-1 (2.5')	102	108
880-19906-11	SW-2 (2.5')	103	106
880-19906-12	SW-3 (3')	99	104
880-19906-13	SW-4 (2.5')	96	99
880-19906-14	SW-5 (1.5')	100	105
LCS 880-36051/2-A	Lab Control Sample	129	126

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Surrogate Summary

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19906-1
SDG: Eddy Co., NM

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
LCS 880-36053/2-A	Lab Control Sample	106	120
LCSD 880-36051/3-A	Lab Control Sample Dup	115	116
LCSD 880-36053/3-A	Lab Control Sample Dup	107	120
MB 880-36051/1-A	Method Blank	119	130
MB 880-36053/1-A	Method Blank	127	142 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19906-1
SDG: Eddy Co., NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-36062/5-A

Matrix: Solid

Analysis Batch: 36055

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36062

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/04/22 13:56	10/04/22 16:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/04/22 13:56	10/04/22 16:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/04/22 13:56	10/04/22 16:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/04/22 13:56	10/04/22 16:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/04/22 13:56	10/04/22 16:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/04/22 13:56	10/04/22 16:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	10/04/22 13:56	10/04/22 16:01	1
1,4-Difluorobenzene (Surr)	88		70 - 130	10/04/22 13:56	10/04/22 16:01	1

Lab Sample ID: MB 880-36064/5-A

Matrix: Solid

Analysis Batch: 36055

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36064

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/04/22 14:05	10/05/22 05:34	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/04/22 14:05	10/05/22 05:34	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/04/22 14:05	10/05/22 05:34	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/04/22 14:05	10/05/22 05:34	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/04/22 14:05	10/05/22 05:34	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/04/22 14:05	10/05/22 05:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	10/04/22 14:05	10/05/22 05:34	1
1,4-Difluorobenzene (Surr)	87		70 - 130	10/04/22 14:05	10/05/22 05:34	1

Lab Sample ID: LCS 880-36064/1-A

Matrix: Solid

Analysis Batch: 36055

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36064

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1245		mg/Kg		124	70 - 130
Toluene	0.100	0.1265		mg/Kg		127	70 - 130
Ethylbenzene	0.100	0.1250		mg/Kg		125	70 - 130
m-Xylene & p-Xylene	0.200	0.2468		mg/Kg		123	70 - 130
o-Xylene	0.100	0.1263		mg/Kg		126	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: LCSD 880-36064/2-A

Matrix: Solid

Analysis Batch: 36055

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36064

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1120		mg/Kg		112	70 - 130	11	35

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19906-1
SDG: Eddy Co., NM

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

Lab Sample ID: LCSD 880-36064/2-A

Matrix: Solid

Analysis Batch: 36055

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36064

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.1157		mg/Kg		116	70 - 130	9	35
Ethylbenzene	0.100	0.1135		mg/Kg		113	70 - 130	10	35
m-Xylene & p-Xylene	0.200	0.2249		mg/Kg		112	70 - 130	9	35
o-Xylene	0.100	0.1152		mg/Kg		115	70 - 130	9	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	126		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: 880-19906-1 MS

Matrix: Solid

Analysis Batch: 36055

Client Sample ID: CS-1 (2.5')

Prep Type: Total/NA

Prep Batch: 36064

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U F2 F1	0.0998	0.05194	F1	mg/Kg		52	70 - 130
Toluene	<0.00198	U F2 F1	0.0998	0.05708	F1	mg/Kg		57	70 - 130
Ethylbenzene	<0.00198	U F2 F1	0.0998	0.06234	F1	mg/Kg		62	70 - 130
m-Xylene & p-Xylene	<0.00396	U F2 F1	0.200	0.1207	F1	mg/Kg		60	70 - 130
o-Xylene	<0.00198	U F2 F1	0.0998	0.06651	F1	mg/Kg		67	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	123		70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: 880-19906-1 MSD

Matrix: Solid

Analysis Batch: 36055

Client Sample ID: CS-1 (2.5')

Prep Type: Total/NA

Prep Batch: 36064

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U F2 F1	0.0996	0.03010	F2 F1	mg/Kg		30	70 - 130	53	35
Toluene	<0.00198	U F2 F1	0.0996	0.02769	F2 F1	mg/Kg		28	70 - 130	69	35
Ethylbenzene	<0.00198	U F2 F1	0.0996	0.03610	F2 F1	mg/Kg		36	70 - 130	53	35
m-Xylene & p-Xylene	<0.00396	U F2 F1	0.199	0.07392	F2 F1	mg/Kg		37	70 - 130	48	35
o-Xylene	<0.00198	U F2 F1	0.0996	0.04177	F2 F1	mg/Kg		42	70 - 130	46	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

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

Lab Sample ID: MB 880-36051/1-A

Matrix: Solid

Analysis Batch: 36025

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36051

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		10/04/22 10:00	10/04/22 11:15	1

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19906-1
SDG: Eddy Co., NM

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

Lab Sample ID: MB 880-36051/1-A

Matrix: Solid

Analysis Batch: 36025

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36051

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/04/22 10:00	10/04/22 11:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/04/22 10:00	10/04/22 11:15	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				10/04/22 10:00	10/04/22 11:15	1
o-Terphenyl	130		70 - 130				10/04/22 10:00	10/04/22 11:15	1

Lab Sample ID: LCS 880-36051/2-A

Matrix: Solid

Analysis Batch: 36025

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36051

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	969.0		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1042		mg/Kg		104	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	129		70 - 130				
o-Terphenyl	126		70 - 130				

Lab Sample ID: LCSD 880-36051/3-A

Matrix: Solid

Analysis Batch: 36025

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36051

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	960.7		mg/Kg		96	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1007		mg/Kg		101	70 - 130	3	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	115		70 - 130						
o-Terphenyl	116		70 - 130						

Lab Sample ID: 880-19906-1 MS

Matrix: Solid

Analysis Batch: 36025

Client Sample ID: CS-1 (2.5')

Prep Type: Total/NA

Prep Batch: 36051

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	952.3		mg/Kg		93	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	998	900.7		mg/Kg		88	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	89		70 - 130						
o-Terphenyl	83		70 - 130						

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19906-1
SDG: Eddy Co., NM

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

Lab Sample ID: 880-19906-1 MSD

Matrix: Solid

Analysis Batch: 36025

Client Sample ID: CS-1 (2.5')

Prep Type: Total/NA

Prep Batch: 36051

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	870.1		mg/Kg		85	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	802.6		mg/Kg		78	70 - 130	12	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	79		70 - 130								
o-Terphenyl	72		70 - 130								

Lab Sample ID: MB 880-36053/1-A

Matrix: Solid

Analysis Batch: 36023

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36053

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		10/04/22 10:04	10/04/22 11:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/04/22 10:04	10/04/22 11:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/04/22 10:04	10/04/22 11:15	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				10/04/22 10:04	10/04/22 11:15	1
o-Terphenyl	142	S1+	70 - 130				10/04/22 10:04	10/04/22 11:15	1

Lab Sample ID: LCS 880-36053/2-A

Matrix: Solid

Analysis Batch: 36023

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36053

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	810.8		mg/Kg		81	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	863.7		mg/Kg		86	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	106		70 - 130						
o-Terphenyl	120		70 - 130						

Lab Sample ID: LCSD 880-36053/3-A

Matrix: Solid

Analysis Batch: 36023

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36053

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	801.9		mg/Kg		80	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	863.0		mg/Kg		86	70 - 130	0	20

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19906-1
SDG: Eddy Co., NM

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

Lab Sample ID: LCSD 880-36053/3-A

Matrix: Solid

Analysis Batch: 36023

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36053

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	120		70 - 130

Lab Sample ID: 880-19906-8 MS

Matrix: Solid

Analysis Batch: 36023

Client Sample ID: CS-8 (3')

Prep Type: Total/NA

Prep Batch: 36053

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	1095		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1112		mg/Kg		109	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	91		70 - 130						
o-Terphenyl	84		70 - 130						

Lab Sample ID: 880-19906-8 MSD

Matrix: Solid

Analysis Batch: 36023

Client Sample ID: CS-8 (3')

Prep Type: Total/NA

Prep Batch: 36053

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1092		mg/Kg		106	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1096		mg/Kg		108	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	91		70 - 130								
o-Terphenyl	82		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-36035/1-A

Matrix: Solid

Analysis Batch: 36063

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			10/04/22 14:56	1

Lab Sample ID: LCS 880-36035/2-A

Matrix: Solid

Analysis Batch: 36063

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	256.6		mg/Kg		103	90 - 110

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19906-1
SDG: Eddy Co., NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-36035/3-A

Matrix: Solid

Analysis Batch: 36063

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	248.9		mg/Kg		100	90 - 110	3	20

Lab Sample ID: 880-19906-1 MS

Matrix: Solid

Analysis Batch: 36063

Client Sample ID: CS-1 (2.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	18.0	F1	253	234.1	F1	mg/Kg		86	90 - 110		

Lab Sample ID: 880-19906-1 MSD

Matrix: Solid

Analysis Batch: 36063

Client Sample ID: CS-1 (2.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	18.0	F1	253	231.8	F1	mg/Kg		85	90 - 110	1	20

Lab Sample ID: 880-19906-11 MS

Matrix: Solid

Analysis Batch: 36063

Client Sample ID: SW-2 (2.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	20.3	F1	250	234.7	F1	mg/Kg		86	90 - 110		

Lab Sample ID: 880-19906-11 MSD

Matrix: Solid

Analysis Batch: 36063

Client Sample ID: SW-2 (2.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	20.3	F1	250	239.1	F1	mg/Kg		88	90 - 110	2	20

QC Association Summary

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19906-1
SDG: Eddy Co., NM

GC VOA

Analysis Batch: 36055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19906-1	CS-1 (2.5')	Total/NA	Solid	8021B	36064
880-19906-2	CS-2 (2.5')	Total/NA	Solid	8021B	36064
880-19906-3	CS-3 (2.5')	Total/NA	Solid	8021B	36064
880-19906-4	CS-4 (3')	Total/NA	Solid	8021B	36064
880-19906-5	CS-5 (3')	Total/NA	Solid	8021B	36064
880-19906-6	CS-6 (3')	Total/NA	Solid	8021B	36064
880-19906-7	CS-7 (3')	Total/NA	Solid	8021B	36064
880-19906-8	CS-8 (3')	Total/NA	Solid	8021B	36064
880-19906-9	CS-9 (3')	Total/NA	Solid	8021B	36064
880-19906-10	SW-1 (2.5')	Total/NA	Solid	8021B	36064
880-19906-11	SW-2 (2.5')	Total/NA	Solid	8021B	36064
880-19906-12	SW-3 (3')	Total/NA	Solid	8021B	36064
880-19906-13	SW-4 (2.5')	Total/NA	Solid	8021B	36064
880-19906-14	SW-5 (1.5')	Total/NA	Solid	8021B	36064
MB 880-36062/5-A	Method Blank	Total/NA	Solid	8021B	36062
MB 880-36064/5-A	Method Blank	Total/NA	Solid	8021B	36064
LCS 880-36064/1-A	Lab Control Sample	Total/NA	Solid	8021B	36064
LCSD 880-36064/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	36064
880-19906-1 MS	CS-1 (2.5')	Total/NA	Solid	8021B	36064
880-19906-1 MSD	CS-1 (2.5')	Total/NA	Solid	8021B	36064

Prep Batch: 36062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-36062/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 36064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19906-1	CS-1 (2.5')	Total/NA	Solid	5035	
880-19906-2	CS-2 (2.5')	Total/NA	Solid	5035	
880-19906-3	CS-3 (2.5')	Total/NA	Solid	5035	
880-19906-4	CS-4 (3')	Total/NA	Solid	5035	
880-19906-5	CS-5 (3')	Total/NA	Solid	5035	
880-19906-6	CS-6 (3')	Total/NA	Solid	5035	
880-19906-7	CS-7 (3')	Total/NA	Solid	5035	
880-19906-8	CS-8 (3')	Total/NA	Solid	5035	
880-19906-9	CS-9 (3')	Total/NA	Solid	5035	
880-19906-10	SW-1 (2.5')	Total/NA	Solid	5035	
880-19906-11	SW-2 (2.5')	Total/NA	Solid	5035	
880-19906-12	SW-3 (3')	Total/NA	Solid	5035	
880-19906-13	SW-4 (2.5')	Total/NA	Solid	5035	
880-19906-14	SW-5 (1.5')	Total/NA	Solid	5035	
MB 880-36064/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-36064/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-36064/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-19906-1 MS	CS-1 (2.5')	Total/NA	Solid	5035	
880-19906-1 MSD	CS-1 (2.5')	Total/NA	Solid	5035	

Analysis Batch: 36182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19906-1	CS-1 (2.5')	Total/NA	Solid	Total BTEX	
880-19906-2	CS-2 (2.5')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19906-1
SDG: Eddy Co., NM

GC VOA (Continued)

Analysis Batch: 36182 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19906-3	CS-3 (2.5')	Total/NA	Solid	Total BTEX	
880-19906-4	CS-4 (3')	Total/NA	Solid	Total BTEX	
880-19906-5	CS-5 (3')	Total/NA	Solid	Total BTEX	
880-19906-6	CS-6 (3')	Total/NA	Solid	Total BTEX	
880-19906-7	CS-7 (3')	Total/NA	Solid	Total BTEX	
880-19906-8	CS-8 (3')	Total/NA	Solid	Total BTEX	
880-19906-9	CS-9 (3')	Total/NA	Solid	Total BTEX	
880-19906-10	SW-1 (2.5')	Total/NA	Solid	Total BTEX	
880-19906-11	SW-2 (2.5')	Total/NA	Solid	Total BTEX	
880-19906-12	SW-3 (3')	Total/NA	Solid	Total BTEX	
880-19906-13	SW-4 (2.5')	Total/NA	Solid	Total BTEX	
880-19906-14	SW-5 (1.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 36023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19906-8	CS-8 (3')	Total/NA	Solid	8015B NM	36053
880-19906-9	CS-9 (3')	Total/NA	Solid	8015B NM	36053
880-19906-10	SW-1 (2.5')	Total/NA	Solid	8015B NM	36053
880-19906-11	SW-2 (2.5')	Total/NA	Solid	8015B NM	36053
880-19906-12	SW-3 (3')	Total/NA	Solid	8015B NM	36053
880-19906-13	SW-4 (2.5')	Total/NA	Solid	8015B NM	36053
880-19906-14	SW-5 (1.5')	Total/NA	Solid	8015B NM	36053
MB 880-36053/1-A	Method Blank	Total/NA	Solid	8015B NM	36053
LCS 880-36053/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	36053
LCSD 880-36053/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	36053
880-19906-8 MS	CS-8 (3')	Total/NA	Solid	8015B NM	36053
880-19906-8 MSD	CS-8 (3')	Total/NA	Solid	8015B NM	36053

Analysis Batch: 36025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19906-1	CS-1 (2.5')	Total/NA	Solid	8015B NM	36051
880-19906-2	CS-2 (2.5')	Total/NA	Solid	8015B NM	36051
880-19906-3	CS-3 (2.5')	Total/NA	Solid	8015B NM	36051
880-19906-4	CS-4 (3')	Total/NA	Solid	8015B NM	36051
880-19906-5	CS-5 (3')	Total/NA	Solid	8015B NM	36051
880-19906-6	CS-6 (3')	Total/NA	Solid	8015B NM	36051
880-19906-7	CS-7 (3')	Total/NA	Solid	8015B NM	36051
MB 880-36051/1-A	Method Blank	Total/NA	Solid	8015B NM	36051
LCS 880-36051/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	36051
LCSD 880-36051/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	36051
880-19906-1 MS	CS-1 (2.5')	Total/NA	Solid	8015B NM	36051
880-19906-1 MSD	CS-1 (2.5')	Total/NA	Solid	8015B NM	36051

Prep Batch: 36051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19906-1	CS-1 (2.5')	Total/NA	Solid	8015NM Prep	
880-19906-2	CS-2 (2.5')	Total/NA	Solid	8015NM Prep	
880-19906-3	CS-3 (2.5')	Total/NA	Solid	8015NM Prep	
880-19906-4	CS-4 (3')	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19906-1
SDG: Eddy Co., NM

GC Semi VOA (Continued)

Prep Batch: 36051 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19906-5	CS-5 (3')	Total/NA	Solid	8015NM Prep	
880-19906-6	CS-6 (3')	Total/NA	Solid	8015NM Prep	
880-19906-7	CS-7 (3')	Total/NA	Solid	8015NM Prep	
MB 880-36051/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-36051/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-36051/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-19906-1 MS	CS-1 (2.5')	Total/NA	Solid	8015NM Prep	
880-19906-1 MSD	CS-1 (2.5')	Total/NA	Solid	8015NM Prep	

Prep Batch: 36053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19906-8	CS-8 (3')	Total/NA	Solid	8015NM Prep	
880-19906-9	CS-9 (3')	Total/NA	Solid	8015NM Prep	
880-19906-10	SW-1 (2.5')	Total/NA	Solid	8015NM Prep	
880-19906-11	SW-2 (2.5')	Total/NA	Solid	8015NM Prep	
880-19906-12	SW-3 (3')	Total/NA	Solid	8015NM Prep	
880-19906-13	SW-4 (2.5')	Total/NA	Solid	8015NM Prep	
880-19906-14	SW-5 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-36053/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-36053/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-36053/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-19906-8 MS	CS-8 (3')	Total/NA	Solid	8015NM Prep	
880-19906-8 MSD	CS-8 (3')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 36133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19906-1	CS-1 (2.5')	Total/NA	Solid	8015 NM	
880-19906-2	CS-2 (2.5')	Total/NA	Solid	8015 NM	
880-19906-3	CS-3 (2.5')	Total/NA	Solid	8015 NM	
880-19906-4	CS-4 (3')	Total/NA	Solid	8015 NM	
880-19906-5	CS-5 (3')	Total/NA	Solid	8015 NM	
880-19906-6	CS-6 (3')	Total/NA	Solid	8015 NM	
880-19906-7	CS-7 (3')	Total/NA	Solid	8015 NM	
880-19906-8	CS-8 (3')	Total/NA	Solid	8015 NM	
880-19906-9	CS-9 (3')	Total/NA	Solid	8015 NM	
880-19906-10	SW-1 (2.5')	Total/NA	Solid	8015 NM	
880-19906-11	SW-2 (2.5')	Total/NA	Solid	8015 NM	
880-19906-12	SW-3 (3')	Total/NA	Solid	8015 NM	
880-19906-13	SW-4 (2.5')	Total/NA	Solid	8015 NM	
880-19906-14	SW-5 (1.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 36035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19906-1	CS-1 (2.5')	Soluble	Solid	DI Leach	
880-19906-2	CS-2 (2.5')	Soluble	Solid	DI Leach	
880-19906-3	CS-3 (2.5')	Soluble	Solid	DI Leach	
880-19906-4	CS-4 (3')	Soluble	Solid	DI Leach	
880-19906-5	CS-5 (3')	Soluble	Solid	DI Leach	
880-19906-6	CS-6 (3')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19906-1
SDG: Eddy Co., NM

HPLC/IC (Continued)

Leach Batch: 36035 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19906-7	CS-7 (3')	Soluble	Solid	DI Leach	
880-19906-8	CS-8 (3')	Soluble	Solid	DI Leach	
880-19906-9	CS-9 (3')	Soluble	Solid	DI Leach	
880-19906-10	SW-1 (2.5')	Soluble	Solid	DI Leach	
880-19906-11	SW-2 (2.5')	Soluble	Solid	DI Leach	
880-19906-12	SW-3 (3')	Soluble	Solid	DI Leach	
880-19906-13	SW-4 (2.5')	Soluble	Solid	DI Leach	
880-19906-14	SW-5 (1.5')	Soluble	Solid	DI Leach	
MB 880-36035/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-36035/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-36035/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-19906-1 MS	CS-1 (2.5')	Soluble	Solid	DI Leach	
880-19906-1 MSD	CS-1 (2.5')	Soluble	Solid	DI Leach	
880-19906-11 MS	SW-2 (2.5')	Soluble	Solid	DI Leach	
880-19906-11 MSD	SW-2 (2.5')	Soluble	Solid	DI Leach	

Analysis Batch: 36063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19906-1	CS-1 (2.5')	Soluble	Solid	300.0	36035
880-19906-2	CS-2 (2.5')	Soluble	Solid	300.0	36035
880-19906-3	CS-3 (2.5')	Soluble	Solid	300.0	36035
880-19906-4	CS-4 (3')	Soluble	Solid	300.0	36035
880-19906-5	CS-5 (3')	Soluble	Solid	300.0	36035
880-19906-6	CS-6 (3')	Soluble	Solid	300.0	36035
880-19906-7	CS-7 (3')	Soluble	Solid	300.0	36035
880-19906-8	CS-8 (3')	Soluble	Solid	300.0	36035
880-19906-9	CS-9 (3')	Soluble	Solid	300.0	36035
880-19906-10	SW-1 (2.5')	Soluble	Solid	300.0	36035
880-19906-11	SW-2 (2.5')	Soluble	Solid	300.0	36035
880-19906-12	SW-3 (3')	Soluble	Solid	300.0	36035
880-19906-13	SW-4 (2.5')	Soluble	Solid	300.0	36035
880-19906-14	SW-5 (1.5')	Soluble	Solid	300.0	36035
MB 880-36035/1-A	Method Blank	Soluble	Solid	300.0	36035
LCS 880-36035/2-A	Lab Control Sample	Soluble	Solid	300.0	36035
LCSD 880-36035/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	36035
880-19906-1 MS	CS-1 (2.5')	Soluble	Solid	300.0	36035
880-19906-1 MSD	CS-1 (2.5')	Soluble	Solid	300.0	36035
880-19906-11 MS	SW-2 (2.5')	Soluble	Solid	300.0	36035
880-19906-11 MSD	SW-2 (2.5')	Soluble	Solid	300.0	36035

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19906-1
SDG: Eddy Co., NM

Client Sample ID: CS-1 (2.5')

Date Collected: 09/30/22 00:00

Date Received: 10/04/22 08:22

Lab Sample ID: 880-19906-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	36064	10/04/22 14:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36055	10/05/22 06:00	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36182	10/05/22 12:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			36133	10/05/22 09:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36051	10/04/22 10:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36025	10/04/22 12:17	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	36035	10/04/22 08:46	KS	EET MID
Soluble	Analysis	300.0		1			36063	10/04/22 15:17	CH	EET MID

Client Sample ID: CS-2 (2.5')

Date Collected: 09/30/22 00:00

Date Received: 10/04/22 08:22

Lab Sample ID: 880-19906-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	36064	10/04/22 14:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36055	10/05/22 06:25	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36182	10/05/22 12:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			36133	10/05/22 09:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	36051	10/04/22 10:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36025	10/04/22 13:19	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	36035	10/04/22 08:46	KS	EET MID
Soluble	Analysis	300.0		1			36063	10/04/22 15:38	CH	EET MID

Client Sample ID: CS-3 (2.5')

Date Collected: 09/30/22 00:00

Date Received: 10/04/22 08:22

Lab Sample ID: 880-19906-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	36064	10/04/22 14:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36055	10/05/22 06:51	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36182	10/05/22 12:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			36133	10/05/22 09:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	36051	10/04/22 10:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36025	10/04/22 13:40	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	36035	10/04/22 08:46	KS	EET MID
Soluble	Analysis	300.0		1			36063	10/04/22 15:45	CH	EET MID

Client Sample ID: CS-4 (3')

Date Collected: 09/30/22 00:00

Date Received: 10/04/22 08:22

Lab Sample ID: 880-19906-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	36064	10/04/22 14:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36055	10/05/22 07:17	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36182	10/05/22 12:21	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19906-1
SDG: Eddy Co., NM

Client Sample ID: CS-4 (3')

Lab Sample ID: 880-19906-4

Date Collected: 09/30/22 00:00

Matrix: Solid

Date Received: 10/04/22 08:22

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			36133	10/05/22 09:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	36051	10/04/22 10:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36025	10/04/22 14:01	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	36035	10/04/22 08:46	KS	EET MID
Soluble	Analysis	300.0		1			36063	10/04/22 15:52	CH	EET MID

Client Sample ID: CS-5 (3')

Lab Sample ID: 880-19906-5

Date Collected: 09/30/22 00:00

Matrix: Solid

Date Received: 10/04/22 08:22

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	36064	10/04/22 14:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36055	10/05/22 07:44	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36182	10/05/22 12:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			36133	10/05/22 09:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	36051	10/04/22 10:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36025	10/04/22 14:22	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	36035	10/04/22 08:46	KS	EET MID
Soluble	Analysis	300.0		1			36063	10/04/22 15:59	CH	EET MID

Client Sample ID: CS-6 (3')

Lab Sample ID: 880-19906-6

Date Collected: 09/30/22 00:00

Matrix: Solid

Date Received: 10/04/22 08:22

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	36064	10/04/22 14:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36055	10/05/22 08:10	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36182	10/05/22 12:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			36133	10/05/22 09:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36051	10/04/22 10:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36025	10/04/22 14:44	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	36035	10/04/22 08:46	KS	EET MID
Soluble	Analysis	300.0		1			36063	10/04/22 16:19	CH	EET MID

Client Sample ID: CS-7 (3')

Lab Sample ID: 880-19906-7

Date Collected: 09/30/22 00:00

Matrix: Solid

Date Received: 10/04/22 08:22

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	36064	10/04/22 14:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36055	10/05/22 08:37	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36182	10/05/22 12:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			36133	10/05/22 09:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36051	10/04/22 10:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36025	10/04/22 15:05	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19906-1
SDG: Eddy Co., NM

Client Sample ID: CS-7 (3')

Date Collected: 09/30/22 00:00

Date Received: 10/04/22 08:22

Lab Sample ID: 880-19906-7

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 g	50 mL	36035	10/04/22 08:46	KS	EET MID
Soluble	Analysis	300.0		1			36063	10/04/22 16:26	CH	EET MID

Client Sample ID: CS-8 (3')

Date Collected: 09/30/22 00:00

Date Received: 10/04/22 08:22

Lab Sample ID: 880-19906-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	36064	10/04/22 14:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36055	10/05/22 09:03	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36182	10/05/22 12:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			36133	10/05/22 09:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36053	10/04/22 10:04	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36023	10/04/22 12:17	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	36035	10/04/22 08:46	KS	EET MID
Soluble	Analysis	300.0		1			36063	10/04/22 16:33	CH	EET MID

Client Sample ID: CS-9 (3')

Date Collected: 09/30/22 00:00

Date Received: 10/04/22 08:22

Lab Sample ID: 880-19906-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	36064	10/04/22 14:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36055	10/05/22 09:30	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36182	10/05/22 12:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			36133	10/05/22 09:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	36053	10/04/22 10:04	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36023	10/04/22 13:19	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	36035	10/04/22 08:46	KS	EET MID
Soluble	Analysis	300.0		1			36063	10/04/22 16:40	CH	EET MID

Client Sample ID: SW-1 (2.5')

Date Collected: 09/30/22 00:00

Date Received: 10/04/22 08:22

Lab Sample ID: 880-19906-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	36064	10/04/22 14:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36055	10/05/22 09:56	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36182	10/05/22 12:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			36133	10/05/22 09:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	36053	10/04/22 10:04	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36023	10/04/22 13:40	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	36035	10/04/22 08:46	KS	EET MID
Soluble	Analysis	300.0		1			36063	10/04/22 16:47	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19906-1
SDG: Eddy Co., NM

Client Sample ID: SW-2 (2.5')

Lab Sample ID: 880-19906-11

Date Collected: 09/30/22 00:00

Matrix: Solid

Date Received: 10/04/22 08:22

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	36064	10/04/22 14:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36055	10/05/22 11:40	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36182	10/05/22 12:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			36133	10/05/22 09:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	36053	10/04/22 10:04	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36023	10/04/22 14:01	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	36035	10/04/22 08:46	KS	EET MID
Soluble	Analysis	300.0		1			36063	10/04/22 16:54	CH	EET MID

Client Sample ID: SW-3 (3')

Lab Sample ID: 880-19906-12

Date Collected: 09/30/22 00:00

Matrix: Solid

Date Received: 10/04/22 08:22

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	36064	10/04/22 14:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36055	10/05/22 12:07	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36182	10/05/22 12:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			36133	10/05/22 09:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	36053	10/04/22 10:04	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36023	10/04/22 14:22	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	36035	10/04/22 08:46	KS	EET MID
Soluble	Analysis	300.0		1			36063	10/04/22 17:15	CH	EET MID

Client Sample ID: SW-4 (2.5')

Lab Sample ID: 880-19906-13

Date Collected: 09/30/22 00:00

Matrix: Solid

Date Received: 10/04/22 08:22

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	36064	10/04/22 14:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36055	10/05/22 12:33	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36182	10/05/22 12:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			36133	10/05/22 09:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36053	10/04/22 10:04	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36023	10/04/22 14:44	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	36035	10/04/22 08:46	KS	EET MID
Soluble	Analysis	300.0		1			36063	10/04/22 17:21	CH	EET MID

Client Sample ID: SW-5 (1.5')

Lab Sample ID: 880-19906-14

Date Collected: 09/30/22 00:00

Matrix: Solid

Date Received: 10/04/22 08:22

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	36064	10/04/22 14:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	36055	10/05/22 12:59	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			36182	10/05/22 12:21	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19906-1
SDG: Eddy Co., NM

Client Sample ID: SW-5 (1.5')

Date Collected: 09/30/22 00:00

Date Received: 10/04/22 08:22

Lab Sample ID: 880-19906-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			36133	10/05/22 09:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36053	10/04/22 10:04	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36023	10/04/22 15:05	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	36035	10/04/22 08:46	KS	EET MID
Soluble	Analysis	300.0		1			36063	10/04/22 17:42	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19906-1
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

Eurofins Midland

Method Summary

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19906-1
SDG: Eddy Co., NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: Carmona Resources
Project/Site: SRO State Com 18H (08.08.22)

Job ID: 880-19906-1
SDG: Eddy Co., NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-19906-1	CS-1 (2.5')	Solid	09/30/22 00:00	10/04/22 08:22
880-19906-2	CS-2 (2.5')	Solid	09/30/22 00:00	10/04/22 08:22
880-19906-3	CS-3 (2.5')	Solid	09/30/22 00:00	10/04/22 08:22
880-19906-4	CS-4 (3')	Solid	09/30/22 00:00	10/04/22 08:22
880-19906-5	CS-5 (3')	Solid	09/30/22 00:00	10/04/22 08:22
880-19906-6	CS-6 (3')	Solid	09/30/22 00:00	10/04/22 08:22
880-19906-7	CS-7 (3')	Solid	09/30/22 00:00	10/04/22 08:22
880-19906-8	CS-8 (3')	Solid	09/30/22 00:00	10/04/22 08:22
880-19906-9	CS-9 (3')	Solid	09/30/22 00:00	10/04/22 08:22
880-19906-10	SW-1 (2.5')	Solid	09/30/22 00:00	10/04/22 08:22
880-19906-11	SW-2 (2.5')	Solid	09/30/22 00:00	10/04/22 08:22
880-19906-12	SW-3 (3')	Solid	09/30/22 00:00	10/04/22 08:22
880-19906-13	SW-4 (2.5')	Solid	09/30/22 00:00	10/04/22 08:22
880-19906-14	SW-5 (1.5')	Solid	09/30/22 00:00	10/04/22 08:22

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Work Order No: 19906

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@conocophillips.com

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

Project Name	SRO State Com 18H (08 08 22)	Turn Around	☐ Routine ☒ Rush	Due Date	24 hour	Parameters	ANALYSIS REQUEST												Preservative Codes					
Project Number	1126						Prost. Code													None NO	DI Water H ₂ O			
Project Location	Eddy Co, NM																			Cool Cool	MeOH Me			
Sampler's Name	MPM																			HCL HC	HNO ₃ HN			
PO #																				H ₂ SO ₄ H ₂	NaOH Na			
SAMPLE RECEIPT		Temp Blank	Yes ☒ No ☐	Wet Ice	Yes ☒ No ☐	Thermometer ID	5489													H ₃ PO ₄ HP				
Received Intact		Yes ☒ No ☐			Correction Factor	.20													NaHSO ₄ NABIS					
Cooler Custody Seals		Yes ☒ No ☐			Temperature Reading	4													Na ₂ S ₂ O ₃ NaSO ₃					
Sample Custody Seals		Yes ☒ No ☐			Corrected Temperature	10													Zn Acetate+NaOH Zn					
Total Containers																				NaOH+Ascorbic Acid SAPC				
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments				
CS-1 (2.5')		9/30/2022		X		C	1	X	X	X														
CS-2 (2.5')		9/30/2022		X		C	1	X	X	X														
CS-3 (2.5')		9/30/2022		X		C	1	X	X	X														
CS-4 (3')		9/30/2022		X		C	1	X	X	X														
CS-5 (3')		9/30/2022		X		C	1	X	X	X														
CS-6 (3')		9/30/2022		X		C	1	X	X	X														
CS-7 (3')		9/30/2022		X		C	1	X	X	X														
CS-8 (3')		9/30/2022		X		C	1	X	X	X														
CS-9 (3')		9/30/2022		X		C	1	X	X	X														
SW-1 (2.5')		9/30/2022		X		C	1	X	X	X														



880-19906 Chain of Custody

Relinquished by (Signature)		Date/Time	Received by (Signature)		Date/Time
<i>Mike</i>		10/04/22 12:24pm	<i>[Signature]</i>		

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

[illegible]

Released to Imaging: 12/12/2022 3:29:20 PM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-19906-1

SDG Number: Eddy Co., NM

Login Number: 19906**List Number: 1****Creator: Rodriguez, Leticia****List Source: Eurofins Midland**

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

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

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

CONDITIONS

Action 150137

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 150137
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	12/12/2022