CARMONA RESOURCES

SITE INFORMATION

Closure Report
JoHelen SWD 001 (07.19.22)
Eddy County, New Mexico
Incident ID: NAPP221454459
Unit N Sec 12 T26S R26E
32.0525°, -104.2475°

Produced Water Release
Point of Release: Hole in polyline
Release Date: 07.19.2022
Volume Released: 36 barrels of Produced Water
Volume Recovered: 20 barrels of Produced Water

CARMONA RESOURCES

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

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

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

CARMONA RESOURCES

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

CARMONA RESOURCES

October 11, 2022

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

Re: Closure Report
JoHelen SWD 001 (07.19.22)
Concho Operating, LLC
Site Location: Unit N, S12, T26S, R26E
(Lat 32.0525°, Long -104.2475°)
Eddy County, New Mexico

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site assessment and remediation activities at the JoHelen SWD 001 (07.19.22). The site is located at 32.0525°, -104.2475° within Unit N S12, T26S, R26E, 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 July 19, 2022, caused by a polyline rupture due to corrosion. It released approximately 36 barrels of produced water, and 20 barrels were recovered. The impacted area occurred on the pad; see Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a high karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, one known water source is within a 0.50-mile radius of the location. The well is approximately 0.09 miles West of the site in S12, T26S, R26E and was drilled in 2018. The well has a reported depth to groundwater of 12.60' feet below the ground surface (ft bgs). A copy of the associated Summary Report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

Per the NMOCD regulatory criteria established in 19.15.29.12 NMAC, thefollowing 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 August 18, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of four (4) sample points (S-1, S-2, S-3, and S-4) and six (6) horizontal sample points (H-1 through H-6) were installed to total depths ranging from surface to 4.5 ft

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

CARMONA RESOURCES

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.

In Table 1, the areas of S-1, S-2, S-3, and S-4 showed elevated chloride concentrations ranging from surface to 4.5' below the surface. The areas of S-1, S-3, and S-4 showed high TPH concentrations from the surface to 4.5' below the surface. All horizontal extents (H-1 through H-4) were below the regulatory limits for BTEX, TPH, and Chloride.

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 27, 2022, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The area of S-1 was excavated to a depth of 5.0' below the surface to remove all the impacted soils. The area of S-2 was excavated to a depth of 3.0'-5.0' below the surface to remove all the impacted soils. The areas of S-3 and S-4 were excavated to a depth of 2.0' below the surface. A total of seventeen (17) floor confirmation samples were collected (CS-1 through CS-17), and eighteen (18) sidewall samples (SW-1 through SW-18) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

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

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 638 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

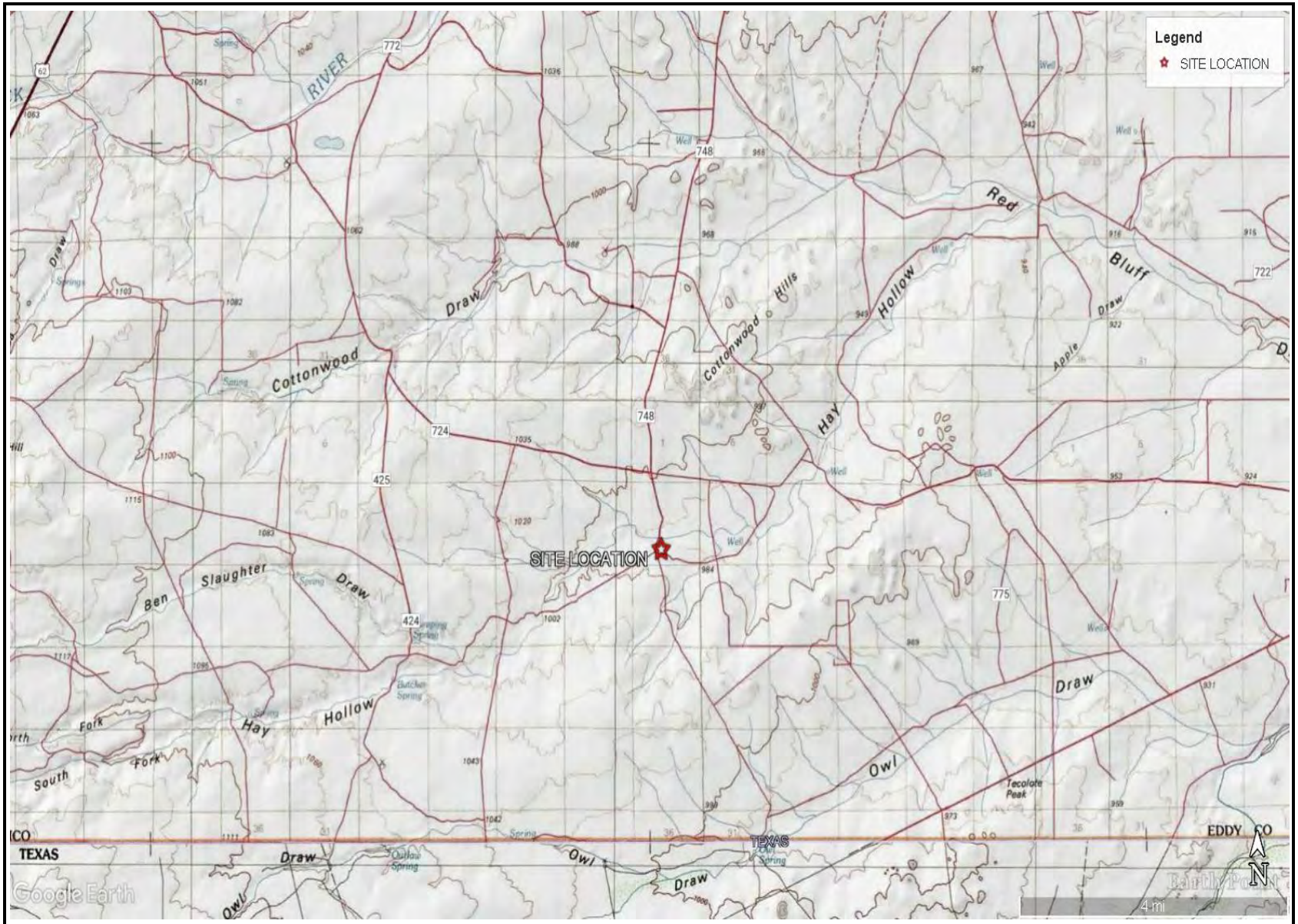
310 West Wall Street, Suite 415
Midland TX, 79701
432.813.1992

FIGURES

CARMONA RESOURCES

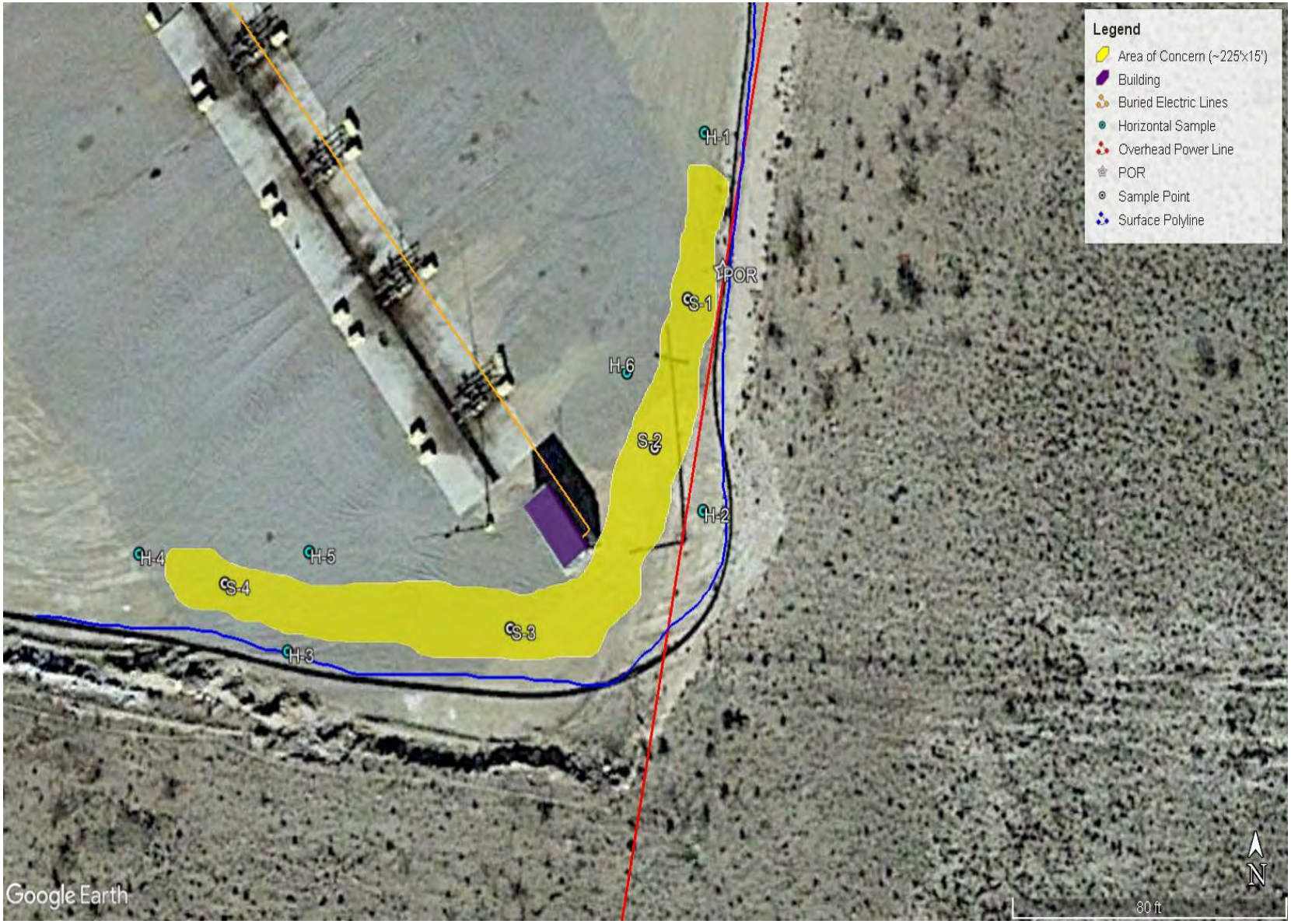
OVERVIEW MAP
COG OPERATING, LLC
JOHELEN SWD 001
EDDY COUNTY, NEW MEXICO
32.0525 -104.2475

CARMONA RESOURCES



TOPO MAP
COG OPERATING, LLC
JOHELEN SWD 001
EDDY COUNTY, NEW MEXICO
32.0525 -104.2475

CARMONA RESOURCES



SAMPLE LOCATION MAP
COG OPERATING, LLC
JOHELEN SWD 001
EDDY COUNTY, NEW MEXICO
32.0525 -104.2475

CARMONA RESOURCES

EXCAVATION DEPTH MAP
COG OPERATING, LLC
JOHELEN SWD 001
EDDY COUNTY, NEW MEXICO
32.0525 -104.2475

CARMONA RESOURCES

APPENDIX A

CARMONA RESOURCES

Table 1
COG
JoHelen SWD 001 (07.19.22)
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	8/17/2022	0-0.5	<499	**18,100**	<499	**18,100**	<0.00201	<0.00201	<0.00201	0.0170	0.0170	**1,400**
	"	0.5-1	<49.9	<49.9	<49.9	<49.9	<0.00200	0.00216	<0.00200	<0.00399	<0.00399	**13,500**
	"	1.5	<50.0	61.7	<50.0	61.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**1,020**
	"	2.5	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	**879**
	"	3.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	253
	"	4.5	<50.0	**113**	<50.0	**113**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	600
S-2	8/17/2022	0-0.5	<50.0	50.6	<50.0	50.6	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**8,750**
	"	0.5-1	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**8,200**
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**5,600**
	"	2.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**2,650**
S-3	8/17/2022	0-0.5	**102**	**3,480**	<50.0	**3,580**	<0.00202	0.00233	0.00730	0.0471	0.0567	**8,150**
	"	0.5-1	<50.0	**1,070**	<50.0	**1,070**	<0.00200	0.00227	0.00410	0.0274	0.0338	**5,760**
S-4	8/17/2022	0-0.5	<50.0	**1,140**	<50.0	**1,140**	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**8,630**
	"	0.5-1	<50.0	79.3	<50.0	79.3	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**6,870**
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**4,660**
H-1	8/17/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	22.3
H-2	8/17/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	12.7
H-3	8/17/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	11.7
H-4	8/17/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	13.1
H-5	8/17/2022	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	11.7
H-6	8/17/2022	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	20.0
Regulatory Criteria [A]						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

[A] – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(S) Sample Point

(H) Horizontal

Removed

Table 2
COG
JoHelen SWD 001 (07.19.22)
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	10/3/2022	5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-2	10/3/2022	5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-3	10/3/2022	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-4	10/3/2022	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-5	10/3/2022	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-6	10/3/2022	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-7	10/3/2022	5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-8	10/3/2022	5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-9	10/3/2022	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-10	10/3/2022	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-11	10/3/2022	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-12	10/3/2022	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-13	10/3/2022	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-14	10/3/2022	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-15	10/3/2022	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-16	10/3/2022	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-17	10/3/2022	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Regulatory Criteria [A]						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH- Total Petroleum Hydrocarbons
ft-feet
(CS) Confirmation Floor Sample

Table 2
COG
JoHelen SWD 001 (07.19.22)
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						
SW-1	10/3/2022	5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-2	10/3/2022	5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-3	10/3/2022	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-4	10/3/2022	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-5	10/3/2022	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-6	10/3/2022	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-7	10/3/2022	5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-8	10/3/2022	5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-9	10/3/2022	5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-10	10/3/2022	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-11	10/3/2022	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-12	10/3/2022	5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-13	10/3/2022	3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-14	10/3/2022	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-15	10/3/2022	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-16	10/3/2022	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-17	10/3/2022	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-18	10/3/2022	2	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
Regulatory Criteria [A]						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH- Total Petroleum Hydrocarbons
ft-feet
(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 1

Facility: JoHelen SWD 001 (07.19.22)

County: Eddy County, New Mexico

Description:
View East, areas of S-2, S-3, and S-4.

Photograph No. 2

Facility: JoHelen SWD 001 (07.19.22)

County: Eddy County, New Mexico

Description:
View Northeast, area of S-1.

Photograph No. 3

Facility: JoHelen SWD 001 (07.19.22)

County: Eddy County, New Mexico

Description:
View North, areas of confirmation samples (1-8).

PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 4

Facility: JoHelen SWD 001 (07.19.22)

County: Eddy County, New Mexico

Description:
View Southwest, areas of confirmation samples (1-8).

Photograph No. 5

Facility: JoHelen SWD 001 (07.19.22)

County: Eddy County, New Mexico

Description:
View West, areas of confirmation samples (9-17)

APPENDIX C

CARMONA RESOURCES

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

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

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

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

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

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

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

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

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

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

Printed Name _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

L48 Spill Volume Estimate Form

Facility Name & Number:	JoHelen SWD
Asset Area:	Carlsbad 2 South
Release Discovery Date & Time:	7/19/2022 8a.m
Release Type:	Produced Water
Provide any known details about the event:	8" black poly line ruptured, possibly high pressure. Recovered 20 bbls

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	160.0	35.0	1.00	8.00%	83.067	6.645			
Rectangle B	208.0	40.0	1.00	8.00%	123.413	9.873			
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:	16.518			

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Jacqui Harris Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 10/17/2022

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: Jacqui Harris Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 10/17/2022

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: Tuesday, September 27, 2022 5:53 PM
To: ocd.enviro@emnrd.nm.gov
Cc: Conner Moehring; Harris, Jacqui
Subject: COG - JoHelen SWD 001- Incident #NAPP2221454459- Sampling Notification

Good Afternoon,

On behalf of COG, Carmona Resources will collect confirmation samples at the below-referenced site on 09/30/22 around 8:00 a.m. Mountain Time. Please let me know if you have any questions.

Site Name: JoHelen SWD 001
Incident # NAPP2221454459

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

CARMONA RESOURCES

APPENDIX D

CARMONA RESOURCES

HIGH KARST

COG OPERATING

Legend

- High
- JoHelen SWD 001 (07.19.22)
- Medium

748

724

724

425

424

JoHelen SWD 001 (07.19.22)

N

2 mi

Google Earth

NEAREST WATER WELL

COG OPERATING

Legend

- 0.09 Miles
- 0.50 Mile Radius
- JoHelen SWD 001 (07.19.22)
- USGS Water Well

12.60' - Drilled 2018

748

JoHelen SWD 001 (07.19.22)

John D Forehand Rd

N

2000 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-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 02438	CUB	ED	4	2	3	12	26S	26E	571015	3546705*	203	30		
C 02218	CUB	ED	4	1	4	07	26S	27E	573039	3546725*	2013	35		
C 04269 POD1	CUB	ED	4	2	3	18	26S	27E	572620	3545176	2064	105		
C 02439	CUB	ED	2	4	2	15	26S	26E	568614	3545697*	2554	30		
C 01887	C	ED	4	4	2	15	26S	26E	568614	3545497*	2624	53	31	22

Average Depth to Water: **31 feet**

Minimum Depth: **31 feet**

Maximum Depth: **31 feet**

Record Count: 5

UTMNAD83 Radius Search (in meters):

Easting (X): 571038 **Northing (Y):** 3546502.52 **Radius:** 4000

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

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 hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 320320104145101

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 320320104145101 26S.26E.12.34120

Eddy County, New Mexico
Latitude 32°03'09.7", Longitude 104°14'56.7" NAD83
Land-surface elevation 3,230.90 feet above NGVD29
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 measu
1978-01-25		D	62610		3217.55	NGVD29	1	Z		
1978-01-25		D	62611		3219.22	NAVD88	1	Z		
1978-01-25		D	72019	13.35			1	Z		
1992-11-18		D	62610		3218.87	NGVD29	1	S		
1992-11-18		D	62611		3220.54	NAVD88	1	S		
1992-11-18		D	72019	12.03			1	S		
1998-01-13		D	62610		3215.24	NGVD29	1	S		
1998-01-13		D	62611		3216.91	NAVD88	1	S		
1998-01-13		D	72019	15.66			1	S		
2003-01-28		D	62610		3214.44	NGVD29	1	S	USGS	
2003-01-28		D	62611		3216.11	NAVD88	1	S	USGS	
2003-01-28		D	72019	16.46			1	S	USGS	
2013-01-09	22:10 UTC	m	62610		3213.80	NGVD29	1	S	USGS	
2013-01-09	22:10 UTC	m	62611		3215.47	NAVD88	1	S	USGS	
2013-01-09	22:10 UTC	m	72019	17.10			1	S	USGS	

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	
2018-02-15	22:14 UTC	m	62610		3218.30	NGVD29	1	S	USGS
2018-02-15	22:14 UTC	m	62611		3219.97	NAVD88	1	S	USGS
2018-02-15	22:14 UTC	m	72019	12.60			1	S	USGS

Explanation

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

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey

Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2022-08-12 10:31:19 EDT
0.27 0.23 nadww02

APPENDIX E

CARMONA RESOURCES

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-18314-1
Laboratory Sample Delivery Group: Eddy Co, NM
Client Project/Site: JoHelen SWD 001 (07.19.22)

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

Attn: Ashton Thielke

JKramer

Authorized for release by:
8/24/2022 10:33:48 AM

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

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

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

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Laboratory Job ID: 880-18314-1
SDG: Eddy Co, NM

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
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
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.

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: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

Job ID: 880-18314-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-18314-1

Receipt
The samples were received on 8/18/2022 11:50 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 3.3°C

GC VOA
Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-32613 and analytical batch 880-32708 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCS 880-32613/1-A) and (LCSD 880-32613/2-A). Evidence of matrix interferences is not obvious.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-32706 and analytical batch 880-32729 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: Surrogate recovery for the following samples were outside control limits: H-6 (0-0.5') (880-18314-21), (880-18314-A-21-B MS) and (880-18314-A-21-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-32429 and analytical batch 880-32386 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 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-2 (0-0.5') (880-18314-7). 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-4 (1.5") (880-18314-15). 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-4 (0-0.5') (880-18314-13). 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: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-18314-1
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F1	0.00201		mg/Kg		08/22/22 15:21	08/23/22 16:22	1
Toluene	<0.00201	U F1	0.00201		mg/Kg		08/22/22 15:21	08/23/22 16:22	1
Ethylbenzene	<0.00201	U F1	0.00201		mg/Kg		08/22/22 15:21	08/23/22 16:22	1
m-Xylene & p-Xylene	**0.0114**	**F1**	0.00402		mg/Kg		08/22/22 15:21	08/23/22 16:22	1
o-Xylene	**0.00563**	**F1**	0.00201		mg/Kg		08/22/22 15:21	08/23/22 16:22	1
Xylenes, Total	**0.0170**	**F1**	0.00402		mg/Kg		08/22/22 15:21	08/23/22 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*08/22/22 15:21*	*08/23/22 16:22*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*08/22/22 15:21*	*08/23/22 16:22*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0170**		0.00402		mg/Kg			08/23/22 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**18100**		499		mg/Kg			08/19/22 10:18	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	<499	U	499		mg/Kg		08/18/22 14:47	08/19/22 18:23	10
Diesel Range Organics (Over C10-C28)	**18100**		499		mg/Kg		08/18/22 14:47	08/19/22 18:23	10
Oil Range Organics (Over C28-C36)	<499	U	499		mg/Kg		08/18/22 14:47	08/19/22 18:23	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*08/18/22 14:47*	*08/19/22 18:23*	*10*
o-Terphenyl	*106*		*70 - 130*	*08/18/22 14:47*	*08/19/22 18:23*	*10*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1400**		50.2		mg/Kg			08/24/22 05:37	10

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

Lab Sample ID: 880-18314-2
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

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		08/22/22 15:21	08/23/22 16:43	1
Toluene	**0.00216**		0.00200		mg/Kg		08/22/22 15:21	08/23/22 16:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:21	08/23/22 16:43	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/22/22 15:21	08/23/22 16:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:21	08/23/22 16:43	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/22/22 15:21	08/23/22 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*08/22/22 15:21*	*08/23/22 16:43*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*08/22/22 15:21*	*08/23/22 16:43*	*1*

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

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

Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

Lab Sample ID: 880-18314-2
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/23/22 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/19/22 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/18/22 14:47	08/19/22 11:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/18/22 14:47	08/19/22 11:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/18/22 14:47	08/19/22 11:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*08/18/22 14:47*	*08/19/22 11:31*	*1*
o-Terphenyl	*105*		*70 - 130*	*08/18/22 14:47*	*08/19/22 11:31*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13500**		100		mg/Kg			08/24/22 06:01	20

Client Sample ID: S-1 (1.5')

Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

Lab Sample ID: 880-18314-3
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/22/22 15:21	08/23/22 17:03	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/22/22 15:21	08/23/22 17:03	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/22/22 15:21	08/23/22 17:03	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/22/22 15:21	08/23/22 17:03	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/22/22 15:21	08/23/22 17:03	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/22/22 15:21	08/23/22 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*08/22/22 15:21*	*08/23/22 17:03*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*08/22/22 15:21*	*08/23/22 17:03*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/23/22 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**61.7**		50.0		mg/Kg			08/19/22 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/18/22 14:47	08/19/22 12:36	1
Diesel Range Organics (Over C10-C28)	**61.7**		50.0		mg/Kg		08/18/22 14:47	08/19/22 12:36	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-18314-3
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/18/22 14:47	08/19/22 12:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*08/18/22 14:47*	*08/19/22 12:36*	*1*
o-Terphenyl	*102*		*70 - 130*	*08/18/22 14:47*	*08/19/22 12:36*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1020**		49.8		mg/Kg			08/24/22 06:09	10

Client Sample ID: S-1 (2.5')

Lab Sample ID: 880-18314-4
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

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		08/22/22 15:21	08/23/22 17:24	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/22/22 15:21	08/23/22 17:24	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/22/22 15:21	08/23/22 17:24	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/22/22 15:21	08/23/22 17:24	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/22/22 15:21	08/23/22 17:24	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/22/22 15:21	08/23/22 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*08/22/22 15:21*	*08/23/22 17:24*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*08/22/22 15:21*	*08/23/22 17:24*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/23/22 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/19/22 10:18	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		08/18/22 14:47	08/19/22 12:58	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/18/22 14:47	08/19/22 12:58	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/18/22 14:47	08/19/22 12:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*08/18/22 14:47*	*08/19/22 12:58*	*1*
o-Terphenyl	*104*		*70 - 130*	*08/18/22 14:47*	*08/19/22 12:58*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**879**		50.0		mg/Kg			08/24/22 06:16	10

Client Sample Results

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (3.5')

Lab Sample ID: 880-18314-5
Date Collected: 08/17/22 00:00
Matrix: Solid
Date Received: 08/18/22 11:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/22/22 15:21	08/23/22 17:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/22/22 15:21	08/23/22 17:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/22/22 15:21	08/23/22 17:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/22/22 15:21	08/23/22 17:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/22/22 15:21	08/23/22 17:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/22/22 15:21	08/23/22 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*08/22/22 15:21*	*08/23/22 17:44*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*08/22/22 15:21*	*08/23/22 17:44*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/23/22 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/19/22 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/18/22 14:47	08/19/22 13:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/18/22 14:47	08/19/22 13:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/18/22 14:47	08/19/22 13:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*08/18/22 14:47*	*08/19/22 13:20*	*1*
o-Terphenyl	*102*		*70 - 130*	*08/18/22 14:47*	*08/19/22 13:20*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**253**		50.1		mg/Kg			08/24/22 06:24	10

Client Sample ID: S-1 (4.5')

Lab Sample ID: 880-18314-6
Date Collected: 08/17/22 00:00
Matrix: Solid
Date Received: 08/18/22 11:50

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		08/22/22 15:21	08/23/22 18:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:21	08/23/22 18:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:21	08/23/22 18:05	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/22/22 15:21	08/23/22 18:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:21	08/23/22 18:05	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/22/22 15:21	08/23/22 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*08/22/22 15:21*	*08/23/22 18:05*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*08/22/22 15:21*	*08/23/22 18:05*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (4.5')

Lab Sample ID: 880-18314-6
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/23/22 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**113**		50.0		mg/Kg			08/19/22 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/18/22 14:47	08/19/22 13:42	1
Diesel Range Organics (Over C10-C28)	**113**		50.0		mg/Kg		08/18/22 14:47	08/19/22 13:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/18/22 14:47	08/19/22 13:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*127*		*70 - 130*	*08/18/22 14:47*	*08/19/22 13:42*	*1*
o-Terphenyl	*116*		*70 - 130*	*08/18/22 14:47*	*08/19/22 13:42*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**600**		49.8		mg/Kg			08/24/22 06:32	10

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

Lab Sample ID: 880-18314-7
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

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		08/22/22 15:21	08/23/22 18:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:21	08/23/22 18:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:21	08/23/22 18:25	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/22/22 15:21	08/23/22 18:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:21	08/23/22 18:25	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/22/22 15:21	08/23/22 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*08/22/22 15:21*	*08/23/22 18:25*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*08/22/22 15:21*	*08/23/22 18:25*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/23/22 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**50.6**		50.0		mg/Kg			08/19/22 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/18/22 14:47	08/19/22 14:03	1
Diesel Range Organics (Over C10-C28)	**50.6**		50.0		mg/Kg		08/18/22 14:47	08/19/22 14:03	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-18314-7
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/18/22 14:47	08/19/22 14:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*08/18/22 14:47*	*08/19/22 14:03*	*1*
o-Terphenyl	*121*		*70 - 130*	*08/18/22 14:47*	*08/19/22 14:03*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8750**		99.8		mg/Kg			08/24/22 06:40	20

Client Sample ID: S-2 (0.5-1')

Lab Sample ID: 880-18314-8
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/22/22 15:21	08/23/22 18:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/22/22 15:21	08/23/22 18:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/22/22 15:21	08/23/22 18:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/22/22 15:21	08/23/22 18:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/22/22 15:21	08/23/22 18:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/22/22 15:21	08/23/22 18:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*08/22/22 15:21*	*08/23/22 18:45*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*08/22/22 15:21*	*08/23/22 18:45*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/23/22 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/19/22 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/18/22 14:47	08/19/22 14:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/18/22 14:47	08/19/22 14:25	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/18/22 14:47	08/19/22 14:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*08/18/22 14:47*	*08/19/22 14:25*	*1*
o-Terphenyl	*109*		*70 - 130*	*08/18/22 14:47*	*08/19/22 14:25*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8200**		100		mg/Kg			08/24/22 06:48	20

Client Sample Results

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-18314-9
Date Collected: 08/17/22 00:00
Matrix: Solid
Date Received: 08/18/22 11:50

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		08/22/22 15:21	08/23/22 19:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:21	08/23/22 19:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:21	08/23/22 19:06	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/22/22 15:21	08/23/22 19:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:21	08/23/22 19:06	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/22/22 15:21	08/23/22 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*08/22/22 15:21*	*08/23/22 19:06*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*08/22/22 15:21*	*08/23/22 19:06*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/23/22 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/19/22 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/18/22 14:47	08/19/22 14:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/18/22 14:47	08/19/22 14:47	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/18/22 14:47	08/19/22 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*08/18/22 14:47*	*08/19/22 14:47*	*1*
o-Terphenyl	*119*		*70 - 130*	*08/18/22 14:47*	*08/19/22 14:47*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5600**		99.6		mg/Kg			08/24/22 02:57	20

Client Sample ID: S-2 (2.5')

Lab Sample ID: 880-18314-10
Date Collected: 08/17/22 00:00
Matrix: Solid
Date Received: 08/18/22 11:50

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		08/22/22 15:21	08/23/22 19:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:21	08/23/22 19:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:21	08/23/22 19:26	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/22/22 15:21	08/23/22 19:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:21	08/23/22 19:26	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/22/22 15:21	08/23/22 19:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*08/22/22 15:21*	*08/23/22 19:26*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*08/22/22 15:21*	*08/23/22 19:26*	*1*

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (2.5')

Lab Sample ID: 880-18314-10
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/23/22 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/19/22 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/18/22 14:47	08/19/22 15:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/18/22 14:47	08/19/22 15:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/18/22 14:47	08/19/22 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*08/18/22 14:47*	*08/19/22 15:08*	*1*
o-Terphenyl	*104*		*70 - 130*	*08/18/22 14:47*	*08/19/22 15:08*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2650**		50.5		mg/Kg			08/24/22 03:25	10

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

Lab Sample ID: 880-18314-11
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

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		08/22/22 15:21	08/23/22 21:16	1
Toluene	**0.00233**		0.00202		mg/Kg		08/22/22 15:21	08/23/22 21:16	1
Ethylbenzene	**0.00730**		0.00202		mg/Kg		08/22/22 15:21	08/23/22 21:16	1
m-Xylene & p-Xylene	**0.0312**		0.00403		mg/Kg		08/22/22 15:21	08/23/22 21:16	1
o-Xylene	**0.0159**		0.00202		mg/Kg		08/22/22 15:21	08/23/22 21:16	1
Xylenes, Total	**0.0471**		0.00403		mg/Kg		08/22/22 15:21	08/23/22 21:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*08/22/22 15:21*	*08/23/22 21:16*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*08/22/22 15:21*	*08/23/22 21:16*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0567**		0.00403		mg/Kg			08/23/22 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**3580**		50.0		mg/Kg			08/19/22 10:18	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	**102**		50.0		mg/Kg		08/18/22 14:47	08/19/22 18:45	1
Diesel Range Organics (Over C10-C28)	**3480**		50.0		mg/Kg		08/18/22 14:47	08/19/22 18:45	1

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Client Sample Results

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-18314-11
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/18/22 14:47	08/19/22 18:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*08/18/22 14:47*	*08/19/22 18:45*	*1*
o-Terphenyl	*115*		*70 - 130*	*08/18/22 14:47*	*08/19/22 18:45*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8150**		100		mg/Kg			08/24/22 03:34	20

Client Sample ID: S-3 (0.5-1')

Lab Sample ID: 880-18314-12
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

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		08/22/22 15:21	08/23/22 21:36	1
Toluene	**0.00227**		0.00200		mg/Kg		08/22/22 15:21	08/23/22 21:36	1
Ethylbenzene	**0.00410**		0.00200		mg/Kg		08/22/22 15:21	08/23/22 21:36	1
m-Xylene & p-Xylene	**0.0185**		0.00399		mg/Kg		08/22/22 15:21	08/23/22 21:36	1
o-Xylene	**0.00890**		0.00200		mg/Kg		08/22/22 15:21	08/23/22 21:36	1
Xylenes, Total	**0.0274**		0.00399		mg/Kg		08/22/22 15:21	08/23/22 21:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*46*	*S1-*	*70 - 130*	*08/22/22 15:21*	*08/23/22 21:36*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*08/22/22 15:21*	*08/23/22 21:36*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0338**		0.00399		mg/Kg			08/23/22 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1070**		50.0		mg/Kg			08/19/22 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/18/22 14:47	08/19/22 19:07	1
Diesel Range Organics (Over C10-C28)	**1070**		50.0		mg/Kg		08/18/22 14:47	08/19/22 19:07	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/18/22 14:47	08/19/22 19:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*08/18/22 14:47*	*08/19/22 19:07*	*1*
o-Terphenyl	*103*		*70 - 130*	*08/18/22 14:47*	*08/19/22 19:07*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5760**		99.4		mg/Kg			08/24/22 03:43	20

Client Sample Results

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-18314-13
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

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		08/22/22 15:21	08/23/22 21:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/22/22 15:21	08/23/22 21:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/22/22 15:21	08/23/22 21:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/22/22 15:21	08/23/22 21:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/22/22 15:21	08/23/22 21:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/22/22 15:21	08/23/22 21:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*08/22/22 15:21*	*08/23/22 21:57*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*08/22/22 15:21*	*08/23/22 21:57*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/23/22 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1140**		50.0		mg/Kg			08/19/22 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/18/22 14:47	08/19/22 19:28	1
Diesel Range Organics (Over C10-C28)	**1140**		50.0		mg/Kg		08/18/22 14:47	08/19/22 19:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/18/22 14:47	08/19/22 19:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*138*	*S1+*	*70 - 130*	*08/18/22 14:47*	*08/19/22 19:28*	*1*
o-Terphenyl	*125*		*70 - 130*	*08/18/22 14:47*	*08/19/22 19:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8630**		101		mg/Kg			08/24/22 03:52	20

Client Sample ID: S-4 (0.5-1')

Lab Sample ID: 880-18314-14
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

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		08/22/22 15:21	08/23/22 22:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:21	08/23/22 22:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:21	08/23/22 22:17	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/22/22 15:21	08/23/22 22:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:21	08/23/22 22:17	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/22/22 15:21	08/23/22 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*08/22/22 15:21*	*08/23/22 22:17*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*08/22/22 15:21*	*08/23/22 22:17*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

Client Sample ID: S-4 (0.5-1')

Lab Sample ID: 880-18314-14
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/23/22 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**79.3**		50.0		mg/Kg			08/19/22 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/18/22 14:47	08/19/22 15:30	1
Diesel Range Organics (Over C10-C28)	**79.3**		50.0		mg/Kg		08/18/22 14:47	08/19/22 15:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/18/22 14:47	08/19/22 15:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*08/18/22 14:47*	*08/19/22 15:30*	*1*
o-Terphenyl	*111*		*70 - 130*	*08/18/22 14:47*	*08/19/22 15:30*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6870**		101		mg/Kg			08/24/22 04:20	20

Client Sample ID: S-4 (1.5")

Lab Sample ID: 880-18314-15
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/22/22 15:21	08/23/22 22:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/22/22 15:21	08/23/22 22:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/22/22 15:21	08/23/22 22:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/22/22 15:21	08/23/22 22:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/22/22 15:21	08/23/22 22:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/22/22 15:21	08/23/22 22:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*08/22/22 15:21*	*08/23/22 22:38*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*08/22/22 15:21*	*08/23/22 22:38*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/23/22 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/19/22 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/18/22 14:47	08/19/22 16:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/18/22 14:47	08/19/22 16:13	1

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Client Sample Results

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

Client Sample ID: S-4 (1.5")

Lab Sample ID: 880-18314-15
Date Collected: 08/17/22 00:00
Matrix: Solid
Date Received: 08/18/22 11:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/18/22 14:47	08/19/22 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*133*	*S1+*	*70 - 130*	*08/18/22 14:47*	*08/19/22 16:13*	*1*
o-Terphenyl	*124*		*70 - 130*	*08/18/22 14:47*	*08/19/22 16:13*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4660**		99.8		mg/Kg			08/24/22 04:29	20

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

Lab Sample ID: 880-18314-16
Date Collected: 08/17/22 00:00
Matrix: Solid
Date Received: 08/18/22 11:50

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		08/22/22 15:21	08/23/22 22:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:21	08/23/22 22:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:21	08/23/22 22:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/22/22 15:21	08/23/22 22:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:21	08/23/22 22:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/22/22 15:21	08/23/22 22:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*08/22/22 15:21*	*08/23/22 22:58*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*08/22/22 15:21*	*08/23/22 22:58*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/23/22 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/19/22 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/18/22 14:47	08/19/22 16:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/18/22 14:47	08/19/22 16:35	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/18/22 14:47	08/19/22 16:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*08/18/22 14:47*	*08/19/22 16:35*	*1*
o-Terphenyl	*110*		*70 - 130*	*08/18/22 14:47*	*08/19/22 16:35*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.3**		4.96		mg/Kg			08/24/22 04:38	1

Client Sample Results

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-18314-17
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

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		08/22/22 15:21	08/23/22 23:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:21	08/23/22 23:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:21	08/23/22 23:18	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/22/22 15:21	08/23/22 23:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:21	08/23/22 23:18	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/22/22 15:21	08/23/22 23:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*08/22/22 15:21*	*08/23/22 23:18*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*08/22/22 15:21*	*08/23/22 23:18*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/23/22 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/19/22 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/18/22 14:47	08/19/22 16:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/18/22 14:47	08/19/22 16:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/18/22 14:47	08/19/22 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*08/18/22 14:47*	*08/19/22 16:56*	*1*
o-Terphenyl	*111*		*70 - 130*	*08/18/22 14:47*	*08/19/22 16:56*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.7**		4.95		mg/Kg			08/24/22 04:47	1

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

Lab Sample ID: 880-18314-18
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

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		08/22/22 15:21	08/23/22 23:39	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/22/22 15:21	08/23/22 23:39	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/22/22 15:21	08/23/22 23:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/22/22 15:21	08/23/22 23:39	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/22/22 15:21	08/23/22 23:39	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/22/22 15:21	08/23/22 23:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*08/22/22 15:21*	*08/23/22 23:39*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*08/22/22 15:21*	*08/23/22 23:39*	*1*

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Client Sample Results

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-18314-18
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/23/22 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/19/22 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/18/22 14:47	08/19/22 17:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/18/22 14:47	08/19/22 17:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/18/22 14:47	08/19/22 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*08/18/22 14:47*	*08/19/22 17:18*	*1*
o-Terphenyl	*106*		*70 - 130*	*08/18/22 14:47*	*08/19/22 17:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.7**		5.03		mg/Kg			08/24/22 04:57	1

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

Lab Sample ID: 880-18314-19
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

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		08/22/22 15:21	08/23/22 23:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:21	08/23/22 23:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:21	08/23/22 23:59	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/22/22 15:21	08/23/22 23:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:21	08/23/22 23:59	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/22/22 15:21	08/23/22 23:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*08/22/22 15:21*	*08/23/22 23:59*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*08/22/22 15:21*	*08/23/22 23:59*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/23/22 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/19/22 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/18/22 14:47	08/19/22 17:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/18/22 14:47	08/19/22 17:40	1

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Client Sample Results

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-18314-19
Date Collected: 08/17/22 00:00
Matrix: Solid
Date Received: 08/18/22 11:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/18/22 14:47	08/19/22 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*08/18/22 14:47*	*08/19/22 17:40*	*1*
o-Terphenyl	*99*		*70 - 130*	*08/18/22 14:47*	*08/19/22 17:40*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.1**		5.04		mg/Kg			08/24/22 05:06	1

Client Sample ID: H-5 (0-0.5')

Lab Sample ID: 880-18314-20
Date Collected: 08/17/22 00:00
Matrix: Solid
Date Received: 08/18/22 11:50

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/22/22 15:21	08/24/22 00:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/22/22 15:21	08/24/22 00:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/22/22 15:21	08/24/22 00:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/22/22 15:21	08/24/22 00:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/22/22 15:21	08/24/22 00:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/22/22 15:21	08/24/22 00:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*08/22/22 15:21*	*08/24/22 00:20*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*08/22/22 15:21*	*08/24/22 00:20*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/23/22 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/19/22 10:18	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		08/18/22 14:47	08/19/22 18:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/18/22 14:47	08/19/22 18:01	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/18/22 14:47	08/19/22 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*08/18/22 14:47*	*08/19/22 18:01*	*1*
o-Terphenyl	*103*		*70 - 130*	*08/18/22 14:47*	*08/19/22 18:01*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.7**		4.96		mg/Kg			08/24/22 05:34	1

Client Sample Results

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

Client Sample ID: H-6 (0-0.5')

Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

Lab Sample ID: 880-18314-21

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/22/22 09:35	08/23/22 13:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/22/22 09:35	08/23/22 13:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/22/22 09:35	08/23/22 13:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/22/22 09:35	08/23/22 13:18	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		08/22/22 09:35	08/23/22 13:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/22/22 09:35	08/23/22 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*08/22/22 09:35*	*08/23/22 13:18*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*08/22/22 09:35*	*08/23/22 13:18*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/23/22 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/19/22 10:18	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 F1 F2	49.8		mg/Kg		08/18/22 13:46	08/18/22 22:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U F1	49.8		mg/Kg		08/18/22 13:46	08/18/22 22:05	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/18/22 13:46	08/18/22 22:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*57*	*S1-*	*70 - 130*	*08/18/22 13:46*	*08/18/22 22:05*	*1*
o-Terphenyl	*62*	*S1-*	*70 - 130*	*08/18/22 13:46*	*08/18/22 22:05*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.0**		4.99		mg/Kg			08/24/22 05:43	1

Surrogate Summary

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
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)
880-18311-A-15-C MS	Matrix Spike	124	107
880-18311-A-15-D MSD	Matrix Spike Duplicate	122	97
880-18314-1	S-1 (0-0.5')	86	105
880-18314-1 MS	S-1 (0-0.5')	90	108
880-18314-1 MSD	S-1 (0-0.5')	88	104
880-18314-2	S-1 (0.5-1')	99	97
880-18314-3	S-1 (1.5')	92	106
880-18314-4	S-1 (2.5')	99	100
880-18314-5	S-1 (3.5')	98	98
880-18314-6	S-1 (4.5')	100	93
880-18314-7	S-2 (0-0.5')	95	95
880-18314-8	S-2 (0.5-1')	101	98
880-18314-9	S-2 (1.5')	97	101
880-18314-10	S-2 (2.5')	100	102
880-18314-11	S-3 (0-0.5')	96	99
880-18314-12	S-3 (0.5-1')	46 S1-	96
880-18314-13	S-4 (0-0.5')	109	98
880-18314-14	S-4 (0.5-1')	106	100
880-18314-15	S-4 (1.5")	92	97
880-18314-16	H-1 (0-0.5')	96	106
880-18314-17	H-2 (0-0.5')	100	99
880-18314-18	H-3 (0-0.5')	101	101
880-18314-19	H-4 (0-0.5')	101	104
880-18314-20	H-5 (0-0.5')	98	101
880-18314-21	H-6 (0-0.5')	93	90
LCS 880-32613/1-A	Lab Control Sample	137 S1+	109
LCS 880-32706/1-A	Lab Control Sample	107	96
LCSD 880-32613/2-A	Lab Control Sample Dup	139 S1+	106
LCSD 880-32706/2-A	Lab Control Sample Dup	97	103
MB 880-32613/5-A	Method Blank	87	88
MB 880-32706/5-A	Method Blank	78	115

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)
880-18314-1	S-1 (0-0.5')	72	106
880-18314-2	S-1 (0.5-1')	112	105
880-18314-2 MS	S-1 (0.5-1')	103	92
880-18314-2 MSD	S-1 (0.5-1')	105	96
880-18314-3	S-1 (1.5')	109	102
880-18314-4	S-1 (2.5')	111	104
880-18314-5	S-1 (3.5')	112	102
880-18314-6	S-1 (4.5')	127	116

Surrogate Summary

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
880-18314-7	S-2 (0-0.5')	131 S1+	121								
880-18314-8	S-2 (0.5-1')	119	109								
880-18314-9	S-2 (1.5')	130	119								
880-18314-10	S-2 (2.5')	109	104								
880-18314-11	S-3 (0-0.5')	122	115								
880-18314-12	S-3 (0.5-1')	113	103								
880-18314-13	S-4 (0-0.5')	138 S1+	125								
880-18314-14	S-4 (0.5-1')	120	111								
880-18314-15	S-4 (1.5")	133 S1+	124								
880-18314-16	H-1 (0-0.5')	121	110								
880-18314-17	H-2 (0-0.5')	122	111								
880-18314-18	H-3 (0-0.5')	113	106								
880-18314-19	H-4 (0-0.5')	108	99								
880-18314-20	H-5 (0-0.5')	109	103								
880-18314-21	H-6 (0-0.5')	57 S1-	62 S1-								
880-18314-21 MS	H-6 (0-0.5')	63 S1-	60 S1-								
880-18314-21 MSD	H-6 (0-0.5')	52 S1-	53 S1-								
LCS 880-32429/2-A	Lab Control Sample	94	94								
LCS 880-32443/2-A	Lab Control Sample	110	98								
LCSD 880-32429/3-A	Lab Control Sample Dup	99	96								
LCSD 880-32443/3-A	Lab Control Sample Dup	98	97								
MB 880-32429/1-A	Method Blank	77	80								
MB 880-32443/1-A	Method Blank	107	102								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-32613/5-A
Matrix: Solid
Analysis Batch: 32708

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32613

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/22/22 09:35	08/23/22 11:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/22 09:35	08/23/22 11:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/22/22 09:35	08/23/22 11:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/22/22 09:35	08/23/22 11:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/22/22 09:35	08/23/22 11:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/22/22 09:35	08/23/22 11:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*08/22/22 09:35*	*08/23/22 11:55*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*08/22/22 09:35*	*08/23/22 11:55*	*1*

Lab Sample ID: LCS 880-32613/1-A
Matrix: Solid
Analysis Batch: 32708

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32613

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1026		mg/Kg		103	70 - 130		
Toluene			0.100	0.09861		mg/Kg		99	70 - 130		
Ethylbenzene			0.100	0.1128		mg/Kg		113	70 - 130		
m-Xylene & p-Xylene			0.200	0.2421		mg/Kg		121	70 - 130		
o-Xylene			0.100	0.1425	*+	mg/Kg		142	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: LCSD 880-32613/2-A
Matrix: Solid
Analysis Batch: 32708

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 32613

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09095		mg/Kg		91	70 - 130	12	35
Toluene			0.100	0.08906		mg/Kg		89	70 - 130	10	35
Ethylbenzene			0.100	0.1038		mg/Kg		104	70 - 130	8	35
m-Xylene & p-Xylene			0.200	0.2183		mg/Kg		109	70 - 130	10	35
o-Xylene			0.100	0.1268		mg/Kg		127	70 - 130	12	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: 880-18311-A-15-C MS
Matrix: Solid
Analysis Batch: 32708

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 32613

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U	0.100	0.09840		mg/Kg		98	70 - 130		
Toluene	<0.00201	U	0.100	0.08819		mg/Kg		87	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-18311-A-15-C MS | **Client Sample ID: Matrix Spike**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 32708 | **Prep Batch: 32613**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.09434		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.201	0.1913		mg/Kg		95	70 - 130
o-Xylene	<0.00201	U *+	0.100	0.1145		mg/Kg		114	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: 880-18311-A-15-D MSD | **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 32708 | **Prep Batch: 32613**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0992	0.08231		mg/Kg		83	70 - 130	18	35
Toluene	<0.00201	U	0.0992	0.07662		mg/Kg		77	70 - 130	14	35
Ethylbenzene	<0.00201	U	0.0992	0.08780		mg/Kg		89	70 - 130	7	35
m-Xylene & p-Xylene	<0.00402	U	0.198	0.1681		mg/Kg		84	70 - 130	13	35
o-Xylene	<0.00201	U *+	0.0992	0.1008		mg/Kg		102	70 - 130	13	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: MB 880-32706/5-A | **Client Sample ID: Method Blank**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 32729 | **Prep Batch: 32706**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:21	08/23/22 15:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:21	08/23/22 15:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:21	08/23/22 15:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/22/22 15:21	08/23/22 15:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/22/22 15:21	08/23/22 15:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/22/22 15:21	08/23/22 15:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*08/22/22 15:21*	*08/23/22 15:54*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*08/22/22 15:21*	*08/23/22 15:54*	*1*

Lab Sample ID: LCS 880-32706/1-A | **Client Sample ID: Lab Control Sample**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 32729 | **Prep Batch: 32706**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1036		mg/Kg		104	70 - 130
Toluene	0.100	0.1172		mg/Kg		117	70 - 130
Ethylbenzene	0.100	0.1206		mg/Kg		121	70 - 130
m-Xylene & p-Xylene	0.200	0.2220		mg/Kg		111	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-32706/1-A
Matrix: Solid
Analysis Batch: 32729

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32706

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.1164		mg/Kg		116	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-32706/2-A
Matrix: Solid
Analysis Batch: 32729

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 32706

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1084		mg/Kg		108	70 - 130	4	35
Toluene			0.100	0.1095		mg/Kg		109	70 - 130	7	35
Ethylbenzene			0.100	0.1083		mg/Kg		108	70 - 130	11	35
m-Xylene & p-Xylene			0.200	0.1994		mg/Kg		100	70 - 130	11	35
o-Xylene			0.100	0.1052		mg/Kg		105	70 - 130	10	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 880-18314-1 MS
Matrix: Solid
Analysis Batch: 32729

Client Sample ID: S-1 (0-0.5')
Prep Type: Total/NA
Prep Batch: 32706

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U F1	0.0998	0.05526	F1	mg/Kg		55	70 - 130		
Toluene	<0.00201	U F1	0.0998	0.03928	F1	mg/Kg		38	70 - 130		
Ethylbenzene	<0.00201	U F1	0.0998	0.02496	F1	mg/Kg		24	70 - 130		
m-Xylene & p-Xylene	0.0114	F1	0.200	0.05436	F1	mg/Kg		22	70 - 130		
o-Xylene	0.00563	F1	0.0998	0.02595	F1	mg/Kg		20	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: 880-18314-1 MSD
Matrix: Solid
Analysis Batch: 32729

Client Sample ID: S-1 (0-0.5')
Prep Type: Total/NA
Prep Batch: 32706

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1	0.0996	0.04451	F1	mg/Kg		45	70 - 130	22	35
Toluene	<0.00201	U F1	0.0996	0.03457	F1	mg/Kg		34	70 - 130	13	35
Ethylbenzene	<0.00201	U F1	0.0996	0.01920	F1	mg/Kg		18	70 - 130	26	35
m-Xylene & p-Xylene	0.0114	F1	0.199	0.04026	F1	mg/Kg		15	70 - 130	30	35
o-Xylene	0.00563	F1	0.0996	0.01918	F1	mg/Kg		14	70 - 130	30	35

QC Sample Results

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-18314-1 MSD
Matrix: Solid
Analysis Batch: 32729

Client Sample ID: S-1 (0-0.5')
Prep Type: Total/NA
Prep Batch: 32706

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

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

Lab Sample ID: MB 880-32429/1-A
Matrix: Solid
Analysis Batch: 32386

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 32429

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		08/18/22 13:46	08/18/22 20:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/18/22 13:46	08/18/22 20:59	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/18/22 13:46	08/18/22 20:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130	08/18/22 13:46	08/18/22 20:59	1
o-Terphenyl	80		70 - 130	08/18/22 13:46	08/18/22 20:59	1

Lab Sample ID: LCS 880-32429/2-A
Matrix: Solid
Analysis Batch: 32386

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32429

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	914.5		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	862.2		mg/Kg		86	70 - 130		

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

Lab Sample ID: LCSD 880-32429/3-A
Matrix: Solid
Analysis Batch: 32386

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 32429

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	894.5		mg/Kg		89	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	905.8		mg/Kg		91	70 - 130	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	96		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-18314-21 MS — **Client Sample ID: H-6 (0-0.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 32386 — **Prep Batch: 32429**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F1 F2	999	663.6	F1	mg/Kg		64	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U F1	999	588.4	F1	mg/Kg		54	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*63*	*S1-*	*70 - 130*
o-Terphenyl	*60*	*S1-*	*70 - 130*

Lab Sample ID: 880-18314-21 MSD — **Client Sample ID: H-6 (0-0.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 32386 — **Prep Batch: 32429**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F1 F2	998	402.4	F1 F2	mg/Kg		37	70 - 130	49	20
Diesel Range Organics (Over C10-C28)	<49.8	U F1	998	508.0	F1	mg/Kg		46	70 - 130	15	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*52*	*S1-*	*70 - 130*
o-Terphenyl	*53*	*S1-*	*70 - 130*

Lab Sample ID: MB 880-32443/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 32462 — **Prep Batch: 32443**

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		08/18/22 14:47	08/19/22 10:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/18/22 14:47	08/19/22 10:24	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/18/22 14:47	08/19/22 10:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*08/18/22 14:47*	*08/19/22 10:24*	*1*
o-Terphenyl	*102*		*70 - 130*	*08/18/22 14:47*	*08/19/22 10:24*	*1*

Lab Sample ID: LCS 880-32443/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 32462 — **Prep Batch: 32443**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	944.7		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	1000	965.4		mg/Kg		97	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-32443/2-A
Matrix: Solid
Analysis Batch: 32462

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 32443

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

Lab Sample ID: LCSD 880-32443/3-A
Matrix: Solid
Analysis Batch: 32462

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 32443

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	859.6		mg/Kg		86	70 - 130	9	20
Diesel Range Organics (Over C10-C28)			1000	956.6		mg/Kg		96	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: 880-18314-2 MS
Matrix: Solid
Analysis Batch: 32462

Client Sample ID: S-1 (0.5-1')
Prep Type: Total/NA
Prep Batch: 32443

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1166		mg/Kg		115	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1140		mg/Kg		111	70 - 130

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

Lab Sample ID: 880-18314-2 MSD
Matrix: Solid
Analysis Batch: 32462

Client Sample ID: S-1 (0.5-1')
Prep Type: Total/NA
Prep Batch: 32443

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1183		mg/Kg		117	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1194		mg/Kg		116	70 - 130	5	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	96		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-32491/1-A
Matrix: Solid
Analysis Batch: 32695

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/24/22 02:52	1

Lab Sample ID: LCS 880-32491/2-A
Matrix: Solid
Analysis Batch: 32695

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	239.0		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-32491/3-A
Matrix: Solid
Analysis Batch: 32695

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	239.5		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-18312-A-14-B MS
Matrix: Solid
Analysis Batch: 32695

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	19.7		251	273.8		mg/Kg		101	90 - 110

Lab Sample ID: 880-18312-A-14-C MSD
Matrix: Solid
Analysis Batch: 32695

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	19.7		251	274.1		mg/Kg		102	90 - 110	0	20

Lab Sample ID: MB 880-32497/1-A
Matrix: Solid
Analysis Batch: 32696

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/24/22 02:29	1

Lab Sample ID: LCS 880-32497/2-A
Matrix: Solid
Analysis Batch: 32696

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	239.0		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-32497/3-A
Matrix: Solid
Analysis Batch: 32696

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	234.8		mg/Kg		94	90 - 110	2	20

QC Sample Results

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-18314-9 MS
Matrix: Solid
Analysis Batch: 32696

Client Sample ID: S-2 (1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5600		4980	10430		mg/Kg		97	90 - 110

Lab Sample ID: 880-18314-9 MSD
Matrix: Solid
Analysis Batch: 32696

Client Sample ID: S-2 (1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	5600		4980	10170		mg/Kg		92	90 - 110	3	20

Lab Sample ID: 880-18314-19 MS
Matrix: Solid
Analysis Batch: 32696

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	13.1		252	263.6		mg/Kg		99	90 - 110

Lab Sample ID: 880-18314-19 MSD
Matrix: Solid
Analysis Batch: 32696

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	13.1		252	264.0		mg/Kg		100	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 32613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18314-21	H-6 (0-0.5')	Total/NA	Solid	5035	
MB 880-32613/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-32613/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-32613/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-18311-A-15-C MS	Matrix Spike	Total/NA	Solid	5035	
880-18311-A-15-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 32706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18314-1	S-1 (0-0.5')	Total/NA	Solid	5035	
880-18314-2	S-1 (0.5-1')	Total/NA	Solid	5035	
880-18314-3	S-1 (1.5')	Total/NA	Solid	5035	
880-18314-4	S-1 (2.5')	Total/NA	Solid	5035	
880-18314-5	S-1 (3.5')	Total/NA	Solid	5035	
880-18314-6	S-1 (4.5')	Total/NA	Solid	5035	
880-18314-7	S-2 (0-0.5')	Total/NA	Solid	5035	
880-18314-8	S-2 (0.5-1')	Total/NA	Solid	5035	
880-18314-9	S-2 (1.5')	Total/NA	Solid	5035	
880-18314-10	S-2 (2.5')	Total/NA	Solid	5035	
880-18314-11	S-3 (0-0.5')	Total/NA	Solid	5035	
880-18314-12	S-3 (0.5-1')	Total/NA	Solid	5035	
880-18314-13	S-4 (0-0.5')	Total/NA	Solid	5035	
880-18314-14	S-4 (0.5-1')	Total/NA	Solid	5035	
880-18314-15	S-4 (1.5")	Total/NA	Solid	5035	
880-18314-16	H-1 (0-0.5')	Total/NA	Solid	5035	
880-18314-17	H-2 (0-0.5')	Total/NA	Solid	5035	
880-18314-18	H-3 (0-0.5')	Total/NA	Solid	5035	
880-18314-19	H-4 (0-0.5')	Total/NA	Solid	5035	
880-18314-20	H-5 (0-0.5')	Total/NA	Solid	5035	
MB 880-32706/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-32706/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-32706/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-18314-1 MS	S-1 (0-0.5')	Total/NA	Solid	5035	
880-18314-1 MSD	S-1 (0-0.5')	Total/NA	Solid	5035	

Analysis Batch: 32708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18314-21	H-6 (0-0.5')	Total/NA	Solid	8021B	32613
MB 880-32613/5-A	Method Blank	Total/NA	Solid	8021B	32613
LCS 880-32613/1-A	Lab Control Sample	Total/NA	Solid	8021B	32613
LCSD 880-32613/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	32613
880-18311-A-15-C MS	Matrix Spike	Total/NA	Solid	8021B	32613
880-18311-A-15-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	32613

Analysis Batch: 32729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18314-1	S-1 (0-0.5')	Total/NA	Solid	8021B	32706
880-18314-2	S-1 (0.5-1')	Total/NA	Solid	8021B	32706
880-18314-3	S-1 (1.5')	Total/NA	Solid	8021B	32706
880-18314-4	S-1 (2.5')	Total/NA	Solid	8021B	32706
880-18314-5	S-1 (3.5')	Total/NA	Solid	8021B	32706

QC Association Summary

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

GC VOA (Continued)

Analysis Batch: 32729 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18314-6	S-1 (4.5')	Total/NA	Solid	8021B	32706
880-18314-7	S-2 (0-0.5')	Total/NA	Solid	8021B	32706
880-18314-8	S-2 (0.5-1')	Total/NA	Solid	8021B	32706
880-18314-9	S-2 (1.5')	Total/NA	Solid	8021B	32706
880-18314-10	S-2 (2.5')	Total/NA	Solid	8021B	32706
880-18314-11	S-3 (0-0.5')	Total/NA	Solid	8021B	32706
880-18314-12	S-3 (0.5-1')	Total/NA	Solid	8021B	32706
880-18314-13	S-4 (0-0.5')	Total/NA	Solid	8021B	32706
880-18314-14	S-4 (0.5-1')	Total/NA	Solid	8021B	32706
880-18314-15	S-4 (1.5")	Total/NA	Solid	8021B	32706
880-18314-16	H-1 (0-0.5')	Total/NA	Solid	8021B	32706
880-18314-17	H-2 (0-0.5')	Total/NA	Solid	8021B	32706
880-18314-18	H-3 (0-0.5')	Total/NA	Solid	8021B	32706
880-18314-19	H-4 (0-0.5')	Total/NA	Solid	8021B	32706
880-18314-20	H-5 (0-0.5')	Total/NA	Solid	8021B	32706
MB 880-32706/5-A	Method Blank	Total/NA	Solid	8021B	32706
LCS 880-32706/1-A	Lab Control Sample	Total/NA	Solid	8021B	32706
LCSD 880-32706/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	32706
880-18314-1 MS	S-1 (0-0.5')	Total/NA	Solid	8021B	32706
880-18314-1 MSD	S-1 (0-0.5')	Total/NA	Solid	8021B	32706

Analysis Batch: 32803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18314-1	S-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-18314-2	S-1 (0.5-1')	Total/NA	Solid	Total BTEX	
880-18314-3	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-18314-4	S-1 (2.5')	Total/NA	Solid	Total BTEX	
880-18314-5	S-1 (3.5')	Total/NA	Solid	Total BTEX	
880-18314-6	S-1 (4.5')	Total/NA	Solid	Total BTEX	
880-18314-7	S-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-18314-8	S-2 (0.5-1')	Total/NA	Solid	Total BTEX	
880-18314-9	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-18314-10	S-2 (2.5')	Total/NA	Solid	Total BTEX	
880-18314-11	S-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-18314-12	S-3 (0.5-1')	Total/NA	Solid	Total BTEX	
880-18314-13	S-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-18314-14	S-4 (0.5-1')	Total/NA	Solid	Total BTEX	
880-18314-15	S-4 (1.5")	Total/NA	Solid	Total BTEX	
880-18314-16	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-18314-17	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-18314-18	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-18314-19	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-18314-20	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-18314-21	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 32386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18314-21	H-6 (0-0.5')	Total/NA	Solid	8015B NM	32429
MB 880-32429/1-A	Method Blank	Total/NA	Solid	8015B NM	32429

QC Association Summary

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 32386 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-32429/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	32429
LCSD 880-32429/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	32429
880-18314-21 MS	H-6 (0-0.5')	Total/NA	Solid	8015B NM	32429
880-18314-21 MSD	H-6 (0-0.5')	Total/NA	Solid	8015B NM	32429

Prep Batch: 32429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18314-21	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-32429/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-32429/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-32429/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-18314-21 MS	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-18314-21 MSD	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	

Prep Batch: 32443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18314-1	S-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-18314-2	S-1 (0.5-1')	Total/NA	Solid	8015NM Prep	
880-18314-3	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-18314-4	S-1 (2.5')	Total/NA	Solid	8015NM Prep	
880-18314-5	S-1 (3.5')	Total/NA	Solid	8015NM Prep	
880-18314-6	S-1 (4.5')	Total/NA	Solid	8015NM Prep	
880-18314-7	S-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-18314-8	S-2 (0.5-1')	Total/NA	Solid	8015NM Prep	
880-18314-9	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-18314-10	S-2 (2.5')	Total/NA	Solid	8015NM Prep	
880-18314-11	S-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-18314-12	S-3 (0.5-1')	Total/NA	Solid	8015NM Prep	
880-18314-13	S-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-18314-14	S-4 (0.5-1')	Total/NA	Solid	8015NM Prep	
880-18314-15	S-4 (1.5")	Total/NA	Solid	8015NM Prep	
880-18314-16	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-18314-17	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-18314-18	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-18314-19	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-18314-20	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-32443/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-32443/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-32443/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-18314-2 MS	S-1 (0.5-1')	Total/NA	Solid	8015NM Prep	
880-18314-2 MSD	S-1 (0.5-1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 32462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18314-1	S-1 (0-0.5')	Total/NA	Solid	8015B NM	32443
880-18314-2	S-1 (0.5-1')	Total/NA	Solid	8015B NM	32443
880-18314-3	S-1 (1.5')	Total/NA	Solid	8015B NM	32443
880-18314-4	S-1 (2.5')	Total/NA	Solid	8015B NM	32443
880-18314-5	S-1 (3.5')	Total/NA	Solid	8015B NM	32443
880-18314-6	S-1 (4.5')	Total/NA	Solid	8015B NM	32443
880-18314-7	S-2 (0-0.5')	Total/NA	Solid	8015B NM	32443

QC Association Summary

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 32462 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18314-8	S-2 (0.5-1')	Total/NA	Solid	8015B NM	32443
880-18314-9	S-2 (1.5')	Total/NA	Solid	8015B NM	32443
880-18314-10	S-2 (2.5')	Total/NA	Solid	8015B NM	32443
880-18314-11	S-3 (0-0.5')	Total/NA	Solid	8015B NM	32443
880-18314-12	S-3 (0.5-1')	Total/NA	Solid	8015B NM	32443
880-18314-13	S-4 (0-0.5')	Total/NA	Solid	8015B NM	32443
880-18314-14	S-4 (0.5-1')	Total/NA	Solid	8015B NM	32443
880-18314-15	S-4 (1.5")	Total/NA	Solid	8015B NM	32443
880-18314-16	H-1 (0-0.5')	Total/NA	Solid	8015B NM	32443
880-18314-17	H-2 (0-0.5')	Total/NA	Solid	8015B NM	32443
880-18314-18	H-3 (0-0.5')	Total/NA	Solid	8015B NM	32443
880-18314-19	H-4 (0-0.5')	Total/NA	Solid	8015B NM	32443
880-18314-20	H-5 (0-0.5')	Total/NA	Solid	8015B NM	32443
MB 880-32443/1-A	Method Blank	Total/NA	Solid	8015B NM	32443
LCS 880-32443/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	32443
LCSD 880-32443/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	32443
880-18314-2 MS	S-1 (0.5-1')	Total/NA	Solid	8015B NM	32443
880-18314-2 MSD	S-1 (0.5-1')	Total/NA	Solid	8015B NM	32443

Analysis Batch: 32489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18314-1	S-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-18314-2	S-1 (0.5-1')	Total/NA	Solid	8015 NM	
880-18314-3	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-18314-4	S-1 (2.5')	Total/NA	Solid	8015 NM	
880-18314-5	S-1 (3.5')	Total/NA	Solid	8015 NM	
880-18314-6	S-1 (4.5')	Total/NA	Solid	8015 NM	
880-18314-7	S-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-18314-8	S-2 (0.5-1')	Total/NA	Solid	8015 NM	
880-18314-9	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-18314-10	S-2 (2.5')	Total/NA	Solid	8015 NM	
880-18314-11	S-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-18314-12	S-3 (0.5-1')	Total/NA	Solid	8015 NM	
880-18314-13	S-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-18314-14	S-4 (0.5-1')	Total/NA	Solid	8015 NM	
880-18314-15	S-4 (1.5")	Total/NA	Solid	8015 NM	
880-18314-16	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-18314-17	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-18314-18	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-18314-19	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-18314-20	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-18314-21	H-6 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 32491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18314-1	S-1 (0-0.5')	Soluble	Solid	DI Leach	
880-18314-2 - DL	S-1 (0.5-1')	Soluble	Solid	DI Leach	
880-18314-3	S-1 (1.5')	Soluble	Solid	DI Leach	
880-18314-4	S-1 (2.5')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Leach Batch: 32491 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18314-5	S-1 (3.5')	Soluble	Solid	DI Leach	
880-18314-6	S-1 (4.5')	Soluble	Solid	DI Leach	
880-18314-7	S-2 (0-0.5')	Soluble	Solid	DI Leach	
880-18314-8	S-2 (0.5-1')	Soluble	Solid	DI Leach	
MB 880-32491/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-32491/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-32491/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-18312-A-14-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-18312-A-14-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 32497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18314-9	S-2 (1.5')	Soluble	Solid	DI Leach	
880-18314-10	S-2 (2.5')	Soluble	Solid	DI Leach	
880-18314-11	S-3 (0-0.5')	Soluble	Solid	DI Leach	
880-18314-12	S-3 (0.5-1')	Soluble	Solid	DI Leach	
880-18314-13	S-4 (0-0.5')	Soluble	Solid	DI Leach	
880-18314-14	S-4 (0.5-1')	Soluble	Solid	DI Leach	
880-18314-15	S-4 (1.5")	Soluble	Solid	DI Leach	
880-18314-16	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-18314-17	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-18314-18	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-18314-19	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-18314-20	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-18314-21	H-6 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-32497/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-32497/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-32497/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-18314-9 MS	S-2 (1.5')	Soluble	Solid	DI Leach	
880-18314-9 MSD	S-2 (1.5')	Soluble	Solid	DI Leach	
880-18314-19 MS	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-18314-19 MSD	H-4 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 32695

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18314-1	S-1 (0-0.5')	Soluble	Solid	300.0	32491
880-18314-2 - DL	S-1 (0.5-1')	Soluble	Solid	300.0	32491
880-18314-3	S-1 (1.5')	Soluble	Solid	300.0	32491
880-18314-4	S-1 (2.5')	Soluble	Solid	300.0	32491
880-18314-5	S-1 (3.5')	Soluble	Solid	300.0	32491
880-18314-6	S-1 (4.5')	Soluble	Solid	300.0	32491
880-18314-7	S-2 (0-0.5')	Soluble	Solid	300.0	32491
880-18314-8	S-2 (0.5-1')	Soluble	Solid	300.0	32491
MB 880-32491/1-A	Method Blank	Soluble	Solid	300.0	32491
LCS 880-32491/2-A	Lab Control Sample	Soluble	Solid	300.0	32491
LCSD 880-32491/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	32491
880-18312-A-14-B MS	Matrix Spike	Soluble	Solid	300.0	32491
880-18312-A-14-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	32491

QC Association Summary

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

HPLC/IC

Analysis Batch: 32696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18314-9	S-2 (1.5')	Soluble	Solid	300.0	32497
880-18314-10	S-2 (2.5')	Soluble	Solid	300.0	32497
880-18314-11	S-3 (0-0.5')	Soluble	Solid	300.0	32497
880-18314-12	S-3 (0.5-1')	Soluble	Solid	300.0	32497
880-18314-13	S-4 (0-0.5')	Soluble	Solid	300.0	32497
880-18314-14	S-4 (0.5-1')	Soluble	Solid	300.0	32497
880-18314-15	S-4 (1.5")	Soluble	Solid	300.0	32497
880-18314-16	H-1 (0-0.5')	Soluble	Solid	300.0	32497
880-18314-17	H-2 (0-0.5')	Soluble	Solid	300.0	32497
880-18314-18	H-3 (0-0.5')	Soluble	Solid	300.0	32497
880-18314-19	H-4 (0-0.5')	Soluble	Solid	300.0	32497
880-18314-20	H-5 (0-0.5')	Soluble	Solid	300.0	32497
880-18314-21	H-6 (0-0.5')	Soluble	Solid	300.0	32497
MB 880-32497/1-A	Method Blank	Soluble	Solid	300.0	32497
LCS 880-32497/2-A	Lab Control Sample	Soluble	Solid	300.0	32497
LCSD 880-32497/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	32497
880-18314-9 MS	S-2 (1.5')	Soluble	Solid	300.0	32497
880-18314-9 MSD	S-2 (1.5')	Soluble	Solid	300.0	32497
880-18314-19 MS	H-4 (0-0.5')	Soluble	Solid	300.0	32497
880-18314-19 MSD	H-4 (0-0.5')	Soluble	Solid	300.0	32497

Lab Chronicle

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-18314-1
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

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	32706	08/22/22 15:21	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32729	08/23/22 16:22	MR	EET MID
Total/NA	Analysis	Total BTEX		1			32803	08/23/22 17:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			32489	08/19/22 10:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32443	08/18/22 14:47	DM	EET MID
Total/NA	Analysis	8015B NM		10			32462	08/19/22 18:23	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	32491	08/19/22 10:28	SMC	EET MID
Soluble	Analysis	300.0		10			32695	08/24/22 05:37	CH	EET MID

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

Lab Sample ID: 880-18314-2
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

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	32706	08/22/22 15:21	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32729	08/23/22 16:43	MR	EET MID
Total/NA	Analysis	Total BTEX		1			32803	08/23/22 17:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			32489	08/19/22 10:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	32443	08/18/22 14:47	DM	EET MID
Total/NA	Analysis	8015B NM		1			32462	08/19/22 11:31	SM	EET MID
Soluble	Leach	DI Leach	DL		4.99 g	50 mL	32491	08/19/22 10:28	SMC	EET MID
Soluble	Analysis	300.0	DL	20			32695	08/24/22 06:01	CH	EET MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-18314-3
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

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	32706	08/22/22 15:21	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32729	08/23/22 17:03	MR	EET MID
Total/NA	Analysis	Total BTEX		1			32803	08/23/22 17:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			32489	08/19/22 10:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32443	08/18/22 14:47	DM	EET MID
Total/NA	Analysis	8015B NM		1			32462	08/19/22 12:36	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	32491	08/19/22 10:28	SMC	EET MID
Soluble	Analysis	300.0		10			32695	08/24/22 06:09	CH	EET MID

Client Sample ID: S-1 (2.5')

Lab Sample ID: 880-18314-4
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	32706	08/22/22 15:21	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32729	08/23/22 17:24	MR	EET MID
Total/NA	Analysis	Total BTEX		1			32803	08/23/22 17:20	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (2.5')

Lab Sample ID: 880-18314-4
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

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			32489	08/19/22 10:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	32443	08/18/22 14:47	DM	EET MID
Total/NA	Analysis	8015B NM		1			32462	08/19/22 12:58	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	32491	08/19/22 10:28	SMC	EET MID
Soluble	Analysis	300.0		10			32695	08/24/22 06:16	CH	EET MID

Client Sample ID: S-1 (3.5')

Lab Sample ID: 880-18314-5
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

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	32706	08/22/22 15:21	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32729	08/23/22 17:44	MR	EET MID
Total/NA	Analysis	Total BTEX		1			32803	08/23/22 17:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			32489	08/19/22 10:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	32443	08/18/22 14:47	DM	EET MID
Total/NA	Analysis	8015B NM		1			32462	08/19/22 13:20	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	32491	08/19/22 10:28	SMC	EET MID
Soluble	Analysis	300.0		10			32695	08/24/22 06:24	CH	EET MID

Client Sample ID: S-1 (4.5')

Lab Sample ID: 880-18314-6
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

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	32706	08/22/22 15:21	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32729	08/23/22 18:05	MR	EET MID
Total/NA	Analysis	Total BTEX		1			32803	08/23/22 17:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			32489	08/19/22 10:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32443	08/18/22 14:47	DM	EET MID
Total/NA	Analysis	8015B NM		1			32462	08/19/22 13:42	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	32491	08/19/22 10:28	SMC	EET MID
Soluble	Analysis	300.0		10			32695	08/24/22 06:32	CH	EET MID

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

Lab Sample ID: 880-18314-7
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

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	32706	08/22/22 15:21	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32729	08/23/22 18:25	MR	EET MID
Total/NA	Analysis	Total BTEX		1			32803	08/23/22 17:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			32489	08/19/22 10:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32443	08/18/22 14:47	DM	EET MID
Total/NA	Analysis	8015B NM		1			32462	08/19/22 14:03	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-18314-7
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	32491	08/19/22 10:28	SMC	EET MID
Soluble	Analysis	300.0		20			32695	08/24/22 06:40	CH	EET MID

Client Sample ID: S-2 (0.5-1')

Lab Sample ID: 880-18314-8
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

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	32706	08/22/22 15:21	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32729	08/23/22 18:45	MR	EET MID
Total/NA	Analysis	Total BTEX		1			32803	08/23/22 17:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			32489	08/19/22 10:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32443	08/18/22 14:47	DM	EET MID
Total/NA	Analysis	8015B NM		1			32462	08/19/22 14:25	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	32491	08/19/22 10:28	SMC	EET MID
Soluble	Analysis	300.0		20			32695	08/24/22 06:48	CH	EET MID

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-18314-9
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

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	32706	08/22/22 15:21	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32729	08/23/22 19:06	MR	EET MID
Total/NA	Analysis	Total BTEX		1			32803	08/23/22 17:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			32489	08/19/22 10:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32443	08/18/22 14:47	DM	EET MID
Total/NA	Analysis	8015B NM		1			32462	08/19/22 14:47	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	32497	08/19/22 10:38	SMC	EET MID
Soluble	Analysis	300.0		20			32696	08/24/22 02:57	CH	EET MID

Client Sample ID: S-2 (2.5')

Lab Sample ID: 880-18314-10
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

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	32706	08/22/22 15:21	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32729	08/23/22 19:26	MR	EET MID
Total/NA	Analysis	Total BTEX		1			32803	08/23/22 17:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			32489	08/19/22 10:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	32443	08/18/22 14:47	DM	EET MID
Total/NA	Analysis	8015B NM		1			32462	08/19/22 15:08	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	32497	08/19/22 10:38	SMC	EET MID
Soluble	Analysis	300.0		10			32696	08/24/22 03:25	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-18314-11
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	32706	08/22/22 15:21	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32729	08/23/22 21:16	MR	EET MID
Total/NA	Analysis	Total BTEX		1			32803	08/23/22 17:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			32489	08/19/22 10:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32443	08/18/22 14:47	DM	EET MID
Total/NA	Analysis	8015B NM		1			32462	08/19/22 18:45	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	32497	08/19/22 10:38	SMC	EET MID
Soluble	Analysis	300.0		20			32696	08/24/22 03:34	CH	EET MID

Client Sample ID: S-3 (0.5-1')

Lab Sample ID: 880-18314-12
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

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	32706	08/22/22 15:21	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32729	08/23/22 21:36	MR	EET MID
Total/NA	Analysis	Total BTEX		1			32803	08/23/22 17:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			32489	08/19/22 10:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	32443	08/18/22 14:47	DM	EET MID
Total/NA	Analysis	8015B NM		1			32462	08/19/22 19:07	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	32497	08/19/22 10:38	SMC	EET MID
Soluble	Analysis	300.0		20			32696	08/24/22 03:43	CH	EET MID

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

Lab Sample ID: 880-18314-13
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

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	32706	08/22/22 15:21	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32729	08/23/22 21:57	MR	EET MID
Total/NA	Analysis	Total BTEX		1			32803	08/23/22 17:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			32489	08/19/22 10:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32443	08/18/22 14:47	DM	EET MID
Total/NA	Analysis	8015B NM		1			32462	08/19/22 19:28	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	32497	08/19/22 10:38	SMC	EET MID
Soluble	Analysis	300.0		20			32696	08/24/22 03:52	CH	EET MID

Client Sample ID: S-4 (0.5-1')

Lab Sample ID: 880-18314-14
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

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	32706	08/22/22 15:21	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32729	08/23/22 22:17	MR	EET MID
Total/NA	Analysis	Total BTEX		1			32803	08/23/22 17:20	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

Client Sample ID: S-4 (0.5-1')

Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

Lab Sample ID: 880-18314-14
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			32489	08/19/22 10:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32443	08/18/22 14:47	DM	EET MID
Total/NA	Analysis	8015B NM		1			32462	08/19/22 15:30	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	32497	08/19/22 10:38	SMC	EET MID
Soluble	Analysis	300.0		20			32696	08/24/22 04:20	CH	EET MID

Client Sample ID: S-4 (1.5")

Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

Lab Sample ID: 880-18314-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	32706	08/22/22 15:21	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32729	08/23/22 22:38	MR	EET MID
Total/NA	Analysis	Total BTEX		1			32803	08/23/22 17:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			32489	08/19/22 10:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32443	08/18/22 14:47	DM	EET MID
Total/NA	Analysis	8015B NM		1			32462	08/19/22 16:13	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	32497	08/19/22 10:38	SMC	EET MID
Soluble	Analysis	300.0		20			32696	08/24/22 04:29	CH	EET MID

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

Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

Lab Sample ID: 880-18314-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	32706	08/22/22 15:21	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32729	08/23/22 22:58	MR	EET MID
Total/NA	Analysis	Total BTEX		1			32803	08/23/22 17:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			32489	08/19/22 10:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32443	08/18/22 14:47	DM	EET MID
Total/NA	Analysis	8015B NM		1			32462	08/19/22 16:35	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	32497	08/19/22 10:38	SMC	EET MID
Soluble	Analysis	300.0		1			32696	08/24/22 04:38	CH	EET MID

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

Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

Lab Sample ID: 880-18314-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	32706	08/22/22 15:21	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32729	08/23/22 23:18	MR	EET MID
Total/NA	Analysis	Total BTEX		1			32803	08/23/22 17:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			32489	08/19/22 10:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	32443	08/18/22 14:47	DM	EET MID
Total/NA	Analysis	8015B NM		1			32462	08/19/22 16:56	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-18314-17
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	32497	08/19/22 10:38	SMC	EET MID
Soluble	Analysis	300.0		1			32696	08/24/22 04:47	CH	EET MID

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

Lab Sample ID: 880-18314-18
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

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	32706	08/22/22 15:21	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32729	08/23/22 23:39	MR	EET MID
Total/NA	Analysis	Total BTEX		1			32803	08/23/22 17:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			32489	08/19/22 10:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	32443	08/18/22 14:47	DM	EET MID
Total/NA	Analysis	8015B NM		1			32462	08/19/22 17:18	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	32497	08/19/22 10:38	SMC	EET MID
Soluble	Analysis	300.0		1			32696	08/24/22 04:57	CH	EET MID

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

Lab Sample ID: 880-18314-19
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

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	32706	08/22/22 15:21	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32729	08/23/22 23:59	MR	EET MID
Total/NA	Analysis	Total BTEX		1			32803	08/23/22 17:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			32489	08/19/22 10:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	32443	08/18/22 14:47	DM	EET MID
Total/NA	Analysis	8015B NM		1			32462	08/19/22 17:40	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	32497	08/19/22 10:38	SMC	EET MID
Soluble	Analysis	300.0		1			32696	08/24/22 05:06	CH	EET MID

Client Sample ID: H-5 (0-0.5')

Lab Sample ID: 880-18314-20
Matrix: Solid
Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

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	32706	08/22/22 15:21	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32729	08/24/22 00:20	MR	EET MID
Total/NA	Analysis	Total BTEX		1			32803	08/23/22 17:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			32489	08/19/22 10:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	32443	08/18/22 14:47	DM	EET MID
Total/NA	Analysis	8015B NM		1			32462	08/19/22 18:01	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	32497	08/19/22 10:38	SMC	EET MID
Soluble	Analysis	300.0		1			32696	08/24/22 05:34	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

Client Sample ID: H-6 (0-0.5')

Date Collected: 08/17/22 00:00
Date Received: 08/18/22 11:50

Lab Sample ID: 880-18314-21

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	32613	08/22/22 09:35	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	32708	08/23/22 13:18	MR	EET MID
Total/NA	Analysis	Total BTEX		1			32803	08/23/22 17:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			32489	08/19/22 10:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	32429	08/18/22 13:46	DM	EET MID
Total/NA	Analysis	8015B NM		1			32386	08/18/22 22:05	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	32497	08/19/22 10:38	SMC	EET MID
Soluble	Analysis	300.0		1			32696	08/24/22 05:43	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
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	OII Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
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

Sample Summary

Client: Carmona Resources
Project/Site: JoHelen SWD 001 (07.19.22)

Job ID: 880-18314-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-18314-1	S-1 (0-0.5')	Solid	08/17/22 00:00	08/18/22 11:50
880-18314-2	S-1 (0.5-1')	Solid	08/17/22 00:00	08/18/22 11:50
880-18314-3	S-1 (1.5')	Solid	08/17/22 00:00	08/18/22 11:50
880-18314-4	S-1 (2.5')	Solid	08/17/22 00:00	08/18/22 11:50
880-18314-5	S-1 (3.5')	Solid	08/17/22 00:00	08/18/22 11:50
880-18314-6	S-1 (4.5')	Solid	08/17/22 00:00	08/18/22 11:50
880-18314-7	S-2 (0-0.5')	Solid	08/17/22 00:00	08/18/22 11:50
880-18314-8	S-2 (0.5-1')	Solid	08/17/22 00:00	08/18/22 11:50
880-18314-9	S-2 (1.5')	Solid	08/17/22 00:00	08/18/22 11:50
880-18314-10	S-2 (2.5')	Solid	08/17/22 00:00	08/18/22 11:50
880-18314-11	S-3 (0-0.5')	Solid	08/17/22 00:00	08/18/22 11:50
880-18314-12	S-3 (0.5-1')	Solid	08/17/22 00:00	08/18/22 11:50
880-18314-13	S-4 (0-0.5')	Solid	08/17/22 00:00	08/18/22 11:50
880-18314-14	S-4 (0.5-1')	Solid	08/17/22 00:00	08/18/22 11:50
880-18314-15	S-4 (1.5")	Solid	08/17/22 00:00	08/18/22 11:50
880-18314-16	H-1 (0-0.5')	Solid	08/17/22 00:00	08/18/22 11:50
880-18314-17	H-2 (0-0.5')	Solid	08/17/22 00:00	08/18/22 11:50
880-18314-18	H-3 (0-0.5')	Solid	08/17/22 00:00	08/18/22 11:50
880-18314-19	H-4 (0-0.5')	Solid	08/17/22 00:00	08/18/22 11:50
880-18314-20	H-5 (0-0.5')	Solid	08/17/22 00:00	08/18/22 11:50
880-18314-21	H-6 (0-0.5')	Solid	08/17/22 00:00	08/18/22 11:50

Work Order No: 180314

Page 1 of 3

Project Manager	Ashton Thielke	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	432-813-5347	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 ☐ TRRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	JoHelen SWD 001 (07 19 22)	Turn Around	
Project Number	1112	☐ Routine ☑ Rush	
Project Location	Eddy Co, NM	Due Date	72 Hr
Sampler's Name	AT	TAT starts the day received by the lab, if received by 4 30pm	
PO #:			

SAMPLE RECEIPT	Temp Blank.	Yes No	Wet Ice Yes No
Received Intact:	Yes No	Thermometer ID	IR8
Cooler Custody Seals.	Yes No N/A	Correction Factor	+0
Sample Custody Seals	Yes No N/A	Temperature Reading	3.1
Total Containers.		Corrected Temperature.	3.1

ANALYSIS REQUEST

Preservative Codes

None NO DI Water H_2O

Cool Cool MeOH Me

HCL HC HNO_3 HN

H_2S0_4 H_2 NaOH Na

H_3PO_4 HP

$NaHSO_4$. NABIS

$Na_2S_2O_3$. $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
S-1 (0-0 5')	8/17/2022		X		G	1		X	X	X		
S-1 (0 5-1')	8/17/2022		X		G	1		X	X	X		
S-1 (1 5')	8/17/2022		X		G	1		X	X	X		
S-1 (2 5')	8/17/2022		X		G	1		X	X	X		
S-1 (3 5')	8/17/2022		X		G	1		X	X	X		
S-1 (4 5')	8/17/2022		X		G	1		X	X	X		
S-2 (0-0 5')	8/17/2022		X		G	1		X	X	X		
S-2 (0 5-1')	8/17/2022		X		G	1		X	X	X		
S-2 (1 5')	8/17/2022		X		G	1		X	X	X		
S-2 (2 5')	8/17/2022		X		G	1		X	X	X		

880-18314 Chain of Custody

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
			8/18/22 1150

Work Order No: 18314

8/24/2022

Page 2 of 3

Project Manager	Ashton Thielke	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	432-813-5347 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 ☐ TRRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	JoHelen SWD 001 (07 19 22)	Turn Around	
Project Number	1112	☐ Routine ☑ Rush	
Project Location	Eddy Co, NM	Due Date	72 Hr
Sampler's Name.	AT	TAT starts the day received by the lab, if received by 4 30pm	
PO #:			

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

ANALYSIS REQUEST

Preservative Codes

None NO DI Water H_2O

Cool Cool MeOH Me

HCL HC HNO_3 HN

H_2SO_4 H_2 NaOH Na

H_3PO_4 HP

$NaHSO_4$ NABIS

$Na_2S_2O_3$ $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
S-3 (0-0 5')	8/17/2022		X		G	1		X	X	X		
S-3 (0 5-1')	8/17/2022		X		G	1		X	X	X		
S-4 (0-0 5')	8/17/2022		X		G	1		X	X	X		
S-4 (0 5-1')	8/17/2022		X		G	1		X	X	X		
S-4 (1 5")	8/17/2022		X		G	1		X	X	X		
H-1 (0-0 5')	8/17/2022		X		G	1		X	X	X		
H-2 (0-0 5')	8/17/2022		X		G	1		X	X	X		
H-3 (0-0 5')	8/17/2022		X		G	1		X	X	X		
H-4 (0-0 5')	8/17/2022		X		G	1		X	X	X		
H-5 (0-0 5')	8/17/2022		X		G	1		X	X	X		

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
			8/18/22
			1150

Work Order No: 185314

Page 3 of 3

Project Manager	Ashton Thielke	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	432-813-5347	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 ☐ TRRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name.	JoHelen SWD 001 (07 19 22)	Turn Around		Pres. Code	
Project Number	1112	☐ Routine	☑ Rush		
Project Location	Eddy Co, NM	Due Date	72 Hr		
Sampler's Name.	AT	TAT starts the day received by the lab, if received by 4 30pm			
PO #:					

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

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD
H-6 (0-0 5')	8/17/2022		X		G	1	X	X	X	

Preservative Codes

None NO — DI Water H_2O

Cool Cool — MeOH Me

HCL HC — HNO_3. HN

H_2S0_4. H_2 — NaOH Na

H_3PO_4 HP

$NaHSO_4$ NABIS

$Na_2S_2O_3$. $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Comments

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
			8/18/22 1150

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-18314-1
SDG Number: Eddy Co, NM

Login Number: 18314
List Number: 1
Creator: Teel, Brianna

List Source: Eurofins Midland

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

CARDINAL Laboratories

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

October 05, 2022

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: JOHELEN 001 (07.09.22)

Enclosed are the results of analyses for samples received by the laboratory on 10/04/22 13:51.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	10/04/2022	Sampling Date:	10/03/2022
Reported:	10/05/2022	Sampling Type:	Soil
Project Name:	JOHELEN 001 (07.09.22)	Sampling Condition:	Cool & Intact
Project Number:	1112	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO, NM		

Sample ID: CS - 1 (5') (H224614-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.31	115	2.00	2.92	
Toluene*	<0.050	0.050	10/05/2022	ND	2.20	110	2.00	3.18	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	2.06	103	2.00	3.13	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	6.21	103	6.00	3.06	
Total BTEX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.6 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	10/04/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2022	ND	200	100	200	0.993	
DRO >C10-C28*	<10.0	10.0	10/04/2022	ND	187	93.3	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	10/04/2022	ND					

Surrogate: 1-Chlorooctane *81.5 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *96.0 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	10/04/2022	Sampling Date:	10/03/2022
Reported:	10/05/2022	Sampling Type:	Soil
Project Name:	JOHELEN 001 (07.09.22)	Sampling Condition:	Cool & Intact
Project Number:	1112	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO, NM		

Sample ID: CS - 2 (5') (H224614-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.31	115	2.00	2.92	
Toluene*	<0.050	0.050	10/05/2022	ND	2.20	110	2.00	3.18	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	2.06	103	2.00	3.13	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	6.21	103	6.00	3.06	
Total BTEX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.7 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	10/04/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2022	ND	200	100	200	0.993	
DRO >C10-C28*	<10.0	10.0	10/04/2022	ND	187	93.3	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	10/04/2022	ND					

Surrogate: 1-Chlorooctane *91.3 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *109 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	10/04/2022	Sampling Date:	10/03/2022
Reported:	10/05/2022	Sampling Type:	Soil
Project Name:	JOHELEN 001 (07.09.22)	Sampling Condition:	Cool & Intact
Project Number:	1112	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO, NM		

Sample ID: CS - 3 (3') (H224614-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.31	115	2.00	2.92	
Toluene*	<0.050	0.050	10/05/2022	ND	2.20	110	2.00	3.18	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	2.06	103	2.00	3.13	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	6.21	103	6.00	3.06	
Total BTEX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.8 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	10/04/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2022	ND	200	100	200	0.993	
DRO >C10-C28*	<10.0	10.0	10/04/2022	ND	187	93.3	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	10/04/2022	ND					

Surrogate: 1-Chlorooctane *84.1 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *102 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	10/04/2022	Sampling Date:	10/03/2022
Reported:	10/05/2022	Sampling Type:	Soil
Project Name:	JOHELEN 001 (07.09.22)	Sampling Condition:	Cool & Intact
Project Number:	1112	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO, NM		

Sample ID: CS - 4 (3') (H224614-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.31	115	2.00	2.92	
Toluene*	<0.050	0.050	10/05/2022	ND	2.20	110	2.00	3.18	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	2.06	103	2.00	3.13	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	6.21	103	6.00	3.06	
Total BTEX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.0 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	10/04/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2022	ND	200	100	200	0.993	
DRO >C10-C28*	<10.0	10.0	10/04/2022	ND	187	93.3	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	10/04/2022	ND					

Surrogate: 1-Chlorooctane *84.7 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *101 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	10/04/2022	Sampling Date:	10/03/2022
Reported:	10/05/2022	Sampling Type:	Soil
Project Name:	JOHELEN 001 (07.09.22)	Sampling Condition:	Cool & Intact
Project Number:	1112	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO, NM		

Sample ID: CS - 5 (3') (H224614-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.31	115	2.00	2.92	
Toluene*	<0.050	0.050	10/05/2022	ND	2.20	110	2.00	3.18	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	2.06	103	2.00	3.13	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	6.21	103	6.00	3.06	
Total BTEX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.2 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	10/04/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2022	ND	200	100	200	0.993	
DRO >C10-C28*	<10.0	10.0	10/04/2022	ND	187	93.3	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	10/04/2022	ND					

Surrogate: 1-Chlorooctane *89.3 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *107 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	10/04/2022	Sampling Date:	10/03/2022
Reported:	10/05/2022	Sampling Type:	Soil
Project Name:	JOHELEN 001 (07.09.22)	Sampling Condition:	Cool & Intact
Project Number:	1112	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO, NM		

Sample ID: CS - 6 (3') (H224614-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.31	115	2.00	2.92	
Toluene*	<0.050	0.050	10/05/2022	ND	2.20	110	2.00	3.18	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	2.06	103	2.00	3.13	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	6.21	103	6.00	3.06	
Total BTEX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.0 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	10/04/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2022	ND	200	100	200	0.993	
DRO >C10-C28*	<10.0	10.0	10/04/2022	ND	187	93.3	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	10/04/2022	ND					

Surrogate: 1-Chlorooctane *81.4 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *102 %* *46.3-178*

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Analytical Results For:

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

Received:	10/04/2022	Sampling Date:	10/03/2022
Reported:	10/05/2022	Sampling Type:	Soil
Project Name:	JOHELEN 001 (07.09.22)	Sampling Condition:	Cool & Intact
Project Number:	1112	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO, NM		

Sample ID: CS - 7 (5') (H224614-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.31	115	2.00	2.92	
Toluene*	<0.050	0.050	10/05/2022	ND	2.20	110	2.00	3.18	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	2.06	103	2.00	3.13	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	6.21	103	6.00	3.06	
Total BTEX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.1 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	10/04/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2022	ND	200	100	200	0.993	
DRO >C10-C28*	<10.0	10.0	10/04/2022	ND	187	93.3	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	10/04/2022	ND					

Surrogate: 1-Chlorooctane *88.5 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *106 %* *46.3-178*

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Analytical Results For:

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

Received:	10/04/2022	Sampling Date:	10/03/2022
Reported:	10/05/2022	Sampling Type:	Soil
Project Name:	JOHELEN 001 (07.09.22)	Sampling Condition:	Cool & Intact
Project Number:	1112	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO, NM		

Sample ID: CS - 8 (5') (H224614-08)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.31	115	2.00	2.92	
Toluene*	<0.050	0.050	10/05/2022	ND	2.20	110	2.00	3.18	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	2.06	103	2.00	3.13	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	6.21	103	6.00	3.06	
Total BTEX	<0.300	0.300	10/05/2022	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	10/04/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2022	ND	200	100	200	0.993	
DRO >C10-C28*	<10.0	10.0	10/04/2022	ND	187	93.3	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	10/04/2022	ND					

Surrogate: 1-Chlorooctane *89.9 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *107 %* *46.3-178*

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Analytical Results For:

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

Received:	10/04/2022	Sampling Date:	10/03/2022
Reported:	10/05/2022	Sampling Type:	Soil
Project Name:	JOHELEN 001 (07.09.22)	Sampling Condition:	Cool & Intact
Project Number:	1112	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO, NM		

Sample ID: CS - 9 (2') (H224614-09)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.31	115	2.00	2.92	
Toluene*	<0.050	0.050	10/05/2022	ND	2.20	110	2.00	3.18	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	2.06	103	2.00	3.13	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	6.21	103	6.00	3.06	
Total BTEX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.5 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	10/04/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2022	ND	200	100	200	0.993	
DRO >C10-C28*	<10.0	10.0	10/04/2022	ND	187	93.3	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	10/04/2022	ND					

Surrogate: 1-Chlorooctane *89.5 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *106 %* *46.3-178*

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CARDINAL Laboratories

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Analytical Results For:

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

Received:	10/04/2022	Sampling Date:	10/03/2022
Reported:	10/05/2022	Sampling Type:	Soil
Project Name:	JOHELEN 001 (07.09.22)	Sampling Condition:	Cool & Intact
Project Number:	1112	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO, NM		

Sample ID: CS - 10 (2') (H224614-10)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.31	115	2.00	2.92	
Toluene*	<0.050	0.050	10/05/2022	ND	2.20	110	2.00	3.18	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	2.06	103	2.00	3.13	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	6.21	103	6.00	3.06	
Total BTEX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.8 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	10/04/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2022	ND	200	100	200	0.993	
DRO >C10-C28*	<10.0	10.0	10/04/2022	ND	187	93.3	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	10/04/2022	ND					

Surrogate: 1-Chlorooctane *89.5 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *107 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	10/04/2022	Sampling Date:	10/03/2022
Reported:	10/05/2022	Sampling Type:	Soil
Project Name:	JOHELEN 001 (07.09.22)	Sampling Condition:	Cool & Intact
Project Number:	1112	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO, NM		

Sample ID: CS - 11 (2') (H224614-11)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.31	115	2.00	2.92	
Toluene*	<0.050	0.050	10/05/2022	ND	2.20	110	2.00	3.18	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	2.06	103	2.00	3.13	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	6.21	103	6.00	3.06	
Total BTEX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.9 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	10/04/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2022	ND	200	100	200	0.993	
DRO >C10-C28*	<10.0	10.0	10/04/2022	ND	187	93.3	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	10/04/2022	ND					

Surrogate: 1-Chlorooctane *88.8 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *106 %* *46.3-178*

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Analytical Results For:

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

Received:	10/04/2022	Sampling Date:	10/03/2022
Reported:	10/05/2022	Sampling Type:	Soil
Project Name:	JOHELEN 001 (07.09.22)	Sampling Condition:	Cool & Intact
Project Number:	1112	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO, NM		

Sample ID: CS - 12 (2') (H224614-12)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.31	115	2.00	2.92	
Toluene*	<0.050	0.050	10/05/2022	ND	2.20	110	2.00	3.18	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	2.06	103	2.00	3.13	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	6.21	103	6.00	3.06	
Total BTEX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.5 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	10/04/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2022	ND	200	100	200	0.993	
DRO >C10-C28*	<10.0	10.0	10/04/2022	ND	187	93.3	200	1.25	
EXT DRO >C28-C36	<10.0	10.0	10/04/2022	ND					

Surrogate: 1-Chlorooctane *90.2 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *108 %* *46.3-178*

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Analytical Results For:

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

Received:	10/04/2022	Sampling Date:	10/03/2022
Reported:	10/05/2022	Sampling Type:	Soil
Project Name:	JOHELEN 001 (07.09.22)	Sampling Condition:	Cool & Intact
Project Number:	1112	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO, NM		

Sample ID: CS - 13 (2') (H224614-13)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.31	115	2.00	2.92	
Toluene*	<0.050	0.050	10/05/2022	ND	2.20	110	2.00	3.18	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	2.06	103	2.00	3.13	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	6.21	103	6.00	3.06	
Total BTEX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.2 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	10/04/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2022	ND	197	98.3	200	2.06	
DRO >C10-C28*	<10.0	10.0	10/04/2022	ND	197	98.4	200	0.620	
EXT DRO >C28-C36	<10.0	10.0	10/04/2022	ND					

Surrogate: 1-Chlorooctane *100 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *111 %* *46.3-178*

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Analytical Results For:

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

Received:	10/04/2022	Sampling Date:	10/03/2022
Reported:	10/05/2022	Sampling Type:	Soil
Project Name:	JOHELEN 001 (07.09.22)	Sampling Condition:	Cool & Intact
Project Number:	1112	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO, NM		

Sample ID: CS - 14 (2') (H224614-14)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.31	115	2.00	2.92	
Toluene*	<0.050	0.050	10/05/2022	ND	2.20	110	2.00	3.18	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	2.06	103	2.00	3.13	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	6.21	103	6.00	3.06	
Total BTEX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.9 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	10/04/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2022	ND	197	98.3	200	2.06	
DRO >C10-C28*	<10.0	10.0	10/04/2022	ND	197	98.4	200	0.620	
EXT DRO >C28-C36	<10.0	10.0	10/04/2022	ND					

Surrogate: 1-Chlorooctane *118 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *130 %* *46.3-178*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	10/04/2022	Sampling Date:	10/03/2022
Reported:	10/05/2022	Sampling Type:	Soil
Project Name:	JOHELEN 001 (07.09.22)	Sampling Condition:	Cool & Intact
Project Number:	1112	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO, NM		

Sample ID: CS - 15 (2') (H224614-15)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.31	115	2.00	2.92	
Toluene*	<0.050	0.050	10/05/2022	ND	2.20	110	2.00	3.18	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	2.06	103	2.00	3.13	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	6.21	103	6.00	3.06	
Total BTEX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.5 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	10/05/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2022	ND	197	98.3	200	2.06	
DRO >C10-C28*	<10.0	10.0	10/04/2022	ND	197	98.4	200	0.620	
EXT DRO >C28-C36	<10.0	10.0	10/04/2022	ND					

Surrogate: 1-Chlorooctane *79.0 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *84.8 %* *46.3-178*

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CARDINAL Laboratories

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Analytical Results For:

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

Received:	10/04/2022	Sampling Date:	10/03/2022
Reported:	10/05/2022	Sampling Type:	Soil
Project Name:	JOHELEN 001 (07.09.22)	Sampling Condition:	Cool & Intact
Project Number:	1112	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO, NM		

Sample ID: CS - 16 (2') (H224614-16)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.31	115	2.00	2.92	
Toluene*	<0.050	0.050	10/05/2022	ND	2.20	110	2.00	3.18	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	2.06	103	2.00	3.13	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	6.21	103	6.00	3.06	
Total BTEX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.9 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	10/05/2022	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2022	ND	197	98.3	200	2.06	
DRO >C10-C28*	<10.0	10.0	10/04/2022	ND	197	98.4	200	0.620	
EXT DRO >C28-C36	<10.0	10.0	10/04/2022	ND					

Surrogate: 1-Chlorooctane *100 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *110 %* *46.3-178*

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Analytical Results For:

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

Received:	10/04/2022	Sampling Date:	10/03/2022
Reported:	10/05/2022	Sampling Type:	Soil
Project Name:	JOHELEN 001 (07.09.22)	Sampling Condition:	Cool & Intact
Project Number:	1112	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO, NM		

Sample ID: CS - 17 (2') (H224614-17)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.31	115	2.00	2.92	
Toluene*	<0.050	0.050	10/05/2022	ND	2.20	110	2.00	3.18	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	2.06	103	2.00	3.13	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	6.21	103	6.00	3.06	
Total BTEX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.6 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/05/2022	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2022	ND	197	98.3	200	2.06	
DRO >C10-C28*	<10.0	10.0	10/04/2022	ND	197	98.4	200	0.620	
EXT DRO >C28-C36	<10.0	10.0	10/04/2022	ND					

Surrogate: 1-Chlorooctane *101 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *107 %* *46.3-178*

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Analytical Results For:

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

Received:	10/04/2022	Sampling Date:	10/03/2022
Reported:	10/05/2022	Sampling Type:	Soil
Project Name:	JOHELEN 001 (07.09.22)	Sampling Condition:	Cool & Intact
Project Number:	1112	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO, NM		

Sample ID: SW - 1 (5') (H224614-18)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.02	101	2.00	2.18	
Toluene*	<0.050	0.050	10/05/2022	ND	2.14	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	1.96	98.0	2.00	0.336	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	5.79	96.5	6.00	2.05	
Total BTEX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.2 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/05/2022	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2022	ND	197	98.3	200	2.06	
DRO >C10-C28*	<10.0	10.0	10/04/2022	ND	197	98.4	200	0.620	
EXT DRO >C28-C36	<10.0	10.0	10/04/2022	ND					

Surrogate: 1-Chlorooctane *104 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *114 %* *46.3-178*

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Analytical Results For:

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

Received:	10/04/2022	Sampling Date:	10/03/2022
Reported:	10/05/2022	Sampling Type:	Soil
Project Name:	JOHELEN 001 (07.09.22)	Sampling Condition:	Cool & Intact
Project Number:	1112	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO, NM		

Sample ID: SW - 2 (5') (H224614-19)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.02	101	2.00	2.18	
Toluene*	<0.050	0.050	10/05/2022	ND	2.14	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	1.96	98.0	2.00	0.336	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	5.79	96.5	6.00	2.05	
Total BTEX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.6 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	10/05/2022	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	210	105	200	2.70	
DRO >C10-C28*	<10.0	10.0	10/05/2022	ND	202	101	200	5.30	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					

Surrogate: 1-Chlorooctane *94.2 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *114 %* *46.3-178*

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Analytical Results For:

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

Received:	10/04/2022	Sampling Date:	10/03/2022
Reported:	10/05/2022	Sampling Type:	Soil
Project Name:	JOHELEN 001 (07.09.22)	Sampling Condition:	Cool & Intact
Project Number:	1112	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO, NM		

Sample ID: SW - 3 (2') (H224614-20)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.02	101	2.00	2.18	
Toluene*	<0.050	0.050	10/05/2022	ND	2.14	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	1.96	98.0	2.00	0.336	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	5.79	96.5	6.00	2.05	
Total BTEX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.4 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	10/05/2022	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2022	ND	197	98.3	200	2.06	
DRO >C10-C28*	<10.0	10.0	10/04/2022	ND	197	98.4	200	0.620	
EXT DRO >C28-C36	<10.0	10.0	10/04/2022	ND					

Surrogate: 1-Chlorooctane *103 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *111 %* *46.3-178*

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CARDINAL Laboratories

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

Analytical Results For:

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

Received:	10/04/2022	Sampling Date:	10/03/2022
Reported:	10/05/2022	Sampling Type:	Soil
Project Name:	JOHELEN 001 (07.09.22)	Sampling Condition:	Cool & Intact
Project Number:	1112	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO, NM		

Sample ID: SW - 4 (3') (H224614-21)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.02	101	2.00	2.18	
Toluene*	<0.050	0.050	10/05/2022	ND	2.14	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	1.96	98.0	2.00	0.336	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	5.79	96.5	6.00	2.05	
Total BTEX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.7 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/05/2022	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2022	ND	197	98.3	200	2.06	
DRO >C10-C28*	<10.0	10.0	10/04/2022	ND	197	98.4	200	0.620	
EXT DRO >C28-C36	<10.0	10.0	10/04/2022	ND					

Surrogate: 1-Chlorooctane *101 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *112 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

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

Received:	10/04/2022	Sampling Date:	10/03/2022
Reported:	10/05/2022	Sampling Type:	Soil
Project Name:	JOHELEN 001 (07.09.22)	Sampling Condition:	Cool & Intact
Project Number:	1112	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO, NM		

Sample ID: SW - 5 (3') (H224614-22)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.02	101	2.00	2.18	
Toluene*	<0.050	0.050	10/05/2022	ND	2.14	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	1.96	98.0	2.00	0.336	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	5.79	96.5	6.00	2.05	
Total BTEX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.1 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	10/05/2022	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2022	ND	197	98.3	200	2.06	
DRO >C10-C28*	<10.0	10.0	10/04/2022	ND	197	98.4	200	0.620	
EXT DRO >C28-C36	<10.0	10.0	10/04/2022	ND					

Surrogate: 1-Chlorooctane *98.5 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *107 %* *46.3-178*

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Analytical Results For:

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

Received:	10/04/2022	Sampling Date:	10/03/2022
Reported:	10/05/2022	Sampling Type:	Soil
Project Name:	JOHELEN 001 (07.09.22)	Sampling Condition:	Cool & Intact
Project Number:	1112	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO, NM		

Sample ID: SW - 6 (2') (H224614-23)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.02	101	2.00	2.18	
Toluene*	<0.050	0.050	10/05/2022	ND	2.14	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	1.96	98.0	2.00	0.336	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	5.79	96.5	6.00	2.05	
Total BTEX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.0 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	10/05/2022	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2022	ND	197	98.3	200	2.06	
DRO >C10-C28*	<10.0	10.0	10/04/2022	ND	197	98.4	200	0.620	
EXT DRO >C28-C36	<10.0	10.0	10/04/2022	ND					

Surrogate: 1-Chlorooctane *108 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *116 %* *46.3-178*

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Analytical Results For:

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

Received:	10/04/2022	Sampling Date:	10/03/2022
Reported:	10/05/2022	Sampling Type:	Soil
Project Name:	JOHELEN 001 (07.09.22)	Sampling Condition:	Cool & Intact
Project Number:	1112	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO, NM		

Sample ID: SW - 7 (5') (H224614-24)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.02	101	2.00	2.18	
Toluene*	<0.050	0.050	10/05/2022	ND	2.14	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	1.96	98.0	2.00	0.336	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	5.79	96.5	6.00	2.05	
Total BTEX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.7 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	10/05/2022	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/04/2022	ND	197	98.3	200	2.06	
DRO >C10-C28*	<10.0	10.0	10/04/2022	ND	197	98.4	200	0.620	
EXT DRO >C28-C36	<10.0	10.0	10/04/2022	ND					

Surrogate: 1-Chlorooctane *99.7 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *109 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	10/04/2022	Sampling Date:	10/03/2022
Reported:	10/05/2022	Sampling Type:	Soil
Project Name:	JOHELEN 001 (07.09.22)	Sampling Condition:	Cool & Intact
Project Number:	1112	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO, NM		

Sample ID: SW - 8 (5') (H224614-25)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.02	101	2.00	2.18	
Toluene*	<0.050	0.050	10/05/2022	ND	2.14	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	1.96	98.0	2.00	0.336	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	5.79	96.5	6.00	2.05	
Total BTEX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.8 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	10/05/2022	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	211	106	200	3.93	
DRO >C10-C28*	<10.0	10.0	10/05/2022	ND	205	103	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					

Surrogate: 1-Chlorooctane *80.3 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *94.2 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	10/04/2022	Sampling Date:	10/03/2022
Reported:	10/05/2022	Sampling Type:	Soil
Project Name:	JOHELEN 001 (07.09.22)	Sampling Condition:	Cool & Intact
Project Number:	1112	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO, NM		

Sample ID: SW - 9 (5') (H224614-26)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.02	101	2.00	2.18	
Toluene*	<0.050	0.050	10/05/2022	ND	2.14	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	1.96	98.0	2.00	0.336	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	5.79	96.5	6.00	2.05	
Total BTEX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.1 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/05/2022	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	211	106	200	3.93	
DRO >C10-C28*	<10.0	10.0	10/05/2022	ND	205	103	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					

Surrogate: 1-Chlorooctane *81.3 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *95.4 %* *46.3-178*

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Analytical Results For:

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

Received:	10/04/2022	Sampling Date:	10/03/2022
Reported:	10/05/2022	Sampling Type:	Soil
Project Name:	JOHELEN 001 (07.09.22)	Sampling Condition:	Cool & Intact
Project Number:	1112	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO, NM		

Sample ID: SW - 10 (3') (H224614-27)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.02	101	2.00	2.18	
Toluene*	<0.050	0.050	10/05/2022	ND	2.14	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	1.96	98.0	2.00	0.336	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	5.79	96.5	6.00	2.05	
Total BTEX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.9 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	10/05/2022	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	211	106	200	3.93	
DRO >C10-C28*	<10.0	10.0	10/05/2022	ND	205	103	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					

Surrogate: 1-Chlorooctane *82.3 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *98.1 %* *46.3-178*

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Analytical Results For:

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

Received:	10/04/2022	Sampling Date:	10/03/2022
Reported:	10/05/2022	Sampling Type:	Soil
Project Name:	JOHELEN 001 (07.09.22)	Sampling Condition:	Cool & Intact
Project Number:	1112	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO, NM		

Sample ID: SW - 11 (3') (H224614-28)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.02	101	2.00	2.18	
Toluene*	<0.050	0.050	10/05/2022	ND	2.14	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	1.96	98.0	2.00	0.336	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	5.79	96.5	6.00	2.05	
Total BTEX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.5 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	10/05/2022	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	211	106	200	3.93	
DRO >C10-C28*	<10.0	10.0	10/05/2022	ND	205	103	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					

Surrogate: 1-Chlorooctane *83.3 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *99.9 %* *46.3-178*

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Analytical Results For:

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

Received:	10/04/2022	Sampling Date:	10/03/2022
Reported:	10/05/2022	Sampling Type:	Soil
Project Name:	JOHELEN 001 (07.09.22)	Sampling Condition:	Cool & Intact
Project Number:	1112	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO, NM		

Sample ID: SW - 12 (5') (H224614-29)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.02	101	2.00	2.18	
Toluene*	<0.050	0.050	10/05/2022	ND	2.14	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	1.96	98.0	2.00	0.336	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	5.79	96.5	6.00	2.05	
Total BTEX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.8 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	10/05/2022	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	211	106	200	3.93	
DRO >C10-C28*	<10.0	10.0	10/05/2022	ND	205	103	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					

Surrogate: 1-Chlorooctane *79.8 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *93.6 %* *46.3-178*

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Analytical Results For:

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

Received:	10/04/2022	Sampling Date:	10/03/2022
Reported:	10/05/2022	Sampling Type:	Soil
Project Name:	JOHELEN 001 (07.09.22)	Sampling Condition:	Cool & Intact
Project Number:	1112	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO, NM		

Sample ID: SW - 13 (3') (H224614-30)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.02	101	2.00	2.18	
Toluene*	<0.050	0.050	10/05/2022	ND	2.14	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	1.96	98.0	2.00	0.336	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	5.79	96.5	6.00	2.05	
Total BTEX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.9 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	10/05/2022	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	211	106	200	3.93	
DRO >C10-C28*	<10.0	10.0	10/05/2022	ND	205	103	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					

Surrogate: 1-Chlorooctane *71.7 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *84.5 %* *46.3-178*

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CARDINAL Laboratories

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Analytical Results For:

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

Received:	10/04/2022	Sampling Date:	10/03/2022
Reported:	10/05/2022	Sampling Type:	Soil
Project Name:	JOHELEN 001 (07.09.22)	Sampling Condition:	Cool & Intact
Project Number:	1112	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO, NM		

Sample ID: SW - 14 (2') (H224614-31)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.02	101	2.00	2.18	
Toluene*	<0.050	0.050	10/05/2022	ND	2.14	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	1.96	98.0	2.00	0.336	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	5.79	96.5	6.00	2.05	
Total BTEX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.4 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	10/05/2022	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	211	106	200	3.93	
DRO >C10-C28*	<10.0	10.0	10/05/2022	ND	205	103	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					

Surrogate: 1-Chlorooctane *79.8 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *95.5 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	10/04/2022	Sampling Date:	10/03/2022
Reported:	10/05/2022	Sampling Type:	Soil
Project Name:	JOHELEN 001 (07.09.22)	Sampling Condition:	Cool & Intact
Project Number:	1112	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO, NM		

Sample ID: SW - 15 (2') (H224614-32)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.02	101	2.00	2.18	
Toluene*	<0.050	0.050	10/05/2022	ND	2.14	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	1.96	98.0	2.00	0.336	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	5.79	96.5	6.00	2.05	
Total BTEX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.7 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/05/2022	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	211	106	200	3.93	
DRO >C10-C28*	<10.0	10.0	10/05/2022	ND	205	103	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					

Surrogate: 1-Chlorooctane *78.0 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *92.5 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	10/04/2022	Sampling Date:	10/03/2022
Reported:	10/05/2022	Sampling Type:	Soil
Project Name:	JOHELEN 001 (07.09.22)	Sampling Condition:	Cool & Intact
Project Number:	1112	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO, NM		

Sample ID: SW - 16 (2') (H224614-33)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.02	101	2.00	2.18	
Toluene*	<0.050	0.050	10/05/2022	ND	2.14	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	1.96	98.0	2.00	0.336	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	5.79	96.5	6.00	2.05	
Total BTEX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.5 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	10/05/2022	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	211	106	200	3.93	
DRO >C10-C28*	<10.0	10.0	10/05/2022	ND	205	103	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					

Surrogate: 1-Chlorooctane *78.1 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *92.4 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	10/04/2022	Sampling Date:	10/03/2022
Reported:	10/05/2022	Sampling Type:	Soil
Project Name:	JOHELEN 001 (07.09.22)	Sampling Condition:	Cool & Intact
Project Number:	1112	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO, NM		

Sample ID: SW - 17 (2') (H224614-34)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.02	101	2.00	2.18	
Toluene*	<0.050	0.050	10/05/2022	ND	2.14	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	1.96	98.0	2.00	0.336	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	5.79	96.5	6.00	2.05	
Total BTEX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.5 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	10/05/2022	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	211	106	200	3.93	
DRO >C10-C28*	<10.0	10.0	10/05/2022	ND	205	103	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					

Surrogate: 1-Chlorooctane *79.8 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *93.6 %* *46.3-178*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	10/04/2022	Sampling Date:	10/03/2022
Reported:	10/05/2022	Sampling Type:	Soil
Project Name:	JOHELEN 001 (07.09.22)	Sampling Condition:	Cool & Intact
Project Number:	1112	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - EDDY CO, NM		

Sample ID: SW - 18 (2') (H224614-35)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2022	ND	2.02	101	2.00	2.18	
Toluene*	<0.050	0.050	10/05/2022	ND	2.14	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	10/05/2022	ND	1.96	98.0	2.00	0.336	
Total Xylenes*	<0.150	0.150	10/05/2022	ND	5.79	96.5	6.00	2.05	
Total BTEX	<0.300	0.300	10/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.0 %* *69.9-140*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	10/05/2022	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	211	106	200	3.93	
DRO >C10-C28*	<10.0	10.0	10/05/2022	ND	205	103	200	9.11	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					

Surrogate: 1-Chlorooctane *79.1 %* *45.3-161*

Surrogate: 1-Chlorooctadecane *92.3 %* *46.3-178*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H224014

Page 1 of 4

Project Manager:	Conner Moehring	Bill to: (if different)	Jacqui Harris
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 415	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	JoHelen 001 (07.09.22)	Turn Around	
Project Number:	1112	☐ Routine	☑ Rush
Project Location	Eddy Co, NM	Due Date:	24 hrs.
Sampler's Name:	GPJ		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	113
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.6°
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:	4.3°
Total Containers:		Corrected Temperature:	3.7°

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	Sample Comments
CS-1 (5')	10/3/2022		X		C	1	X	X	X	1
CS-2 (5')	10/3/2022		X		C	1	X	X	X	2
CS-3 (3')	10/3/2022		X		C	1	X	X	X	3
CS-4 (3')	10/3/2022		X		C	1	X	X	X	4
CS-5 (3')	10/3/2022		X		C	1	X	X	X	5
CS-6 (3')	10/3/2022		X		C	1	X	X	X	6
CS-7 (5')	10/3/2022		X		C	1	X	X	X	7
CS-8 (5')	10/3/2022		X		C	1	X	X	X	8
CS-9 (2')	10/3/2022		X		C	1	X	X	X	9
CS-10 (2')	10/3/2022		X		C	1	X	X	X	10

Pres. Code

Parameters

ANALYSIS REQUEST

Preservative Codes

None: NO DI Water: H_2O

Cool: Cool MeOH: Me

HCL: HC HNO_3: HN

H_2S0_4: H_2 NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Conner Moehring	10/4/22 1351	Rodriguez	10/4/22 1351

Chain of Custody

Work Order No: H224614

Page 2 of 4

Project Manager:	Conner Moehring	Bill to: (if different)	Jacqui Harris
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 415	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	JoHelen 001 (07.09.22)	Turn Around	
Project Number:	1112	☐ Routine ☑ Rush	
Project Location	Eddy Co, NM	Due Date:	24 hrs.
Sampler's Name:	GPJ		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Received Intact:	(Yes) No	Thermometer ID:	113	
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.4°C	
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:	4.3°C	
Total Containers:		Corrected Temperature:	3.7°C	

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	Hold	Sample Comments
CS-11 (2')	10/3/2022		X		C	1		X	X	X		11
CS-12 (2')	10/3/2022		X		C	1		X	X	X		12
CS-13 (2')	10/3/2022		X		C	1		X	X	X		13
CS-14 (2')	10/3/2022		X		C	1		X	X	X		14
CS-15 (2')	10/3/2022		X		C	1		X	X	X		15
CS-16 (2')	10/3/2022		X		C	1		X	X	X		16
CS-17 (2')	10/3/2022		X		C	1		X	X	X		17
SW-1 (5')	10/3/2022		X		C	1		X	X	X		18
SW-2 (5')	10/3/2022		X		C	1		X	X	X		19
SW-3 (2')	10/3/2022		X		C	1		X	X	X		20

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Conner Moehring	10/4/22 1351	S Rodriguez	10-4-22 1351

Chain of Custody

Work Order No: H224104

Page 3 of 4

Project Manager:	Conner Moehring	Bill to: (if different)	Jacqui Harris
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 415	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	JoHelen 001 (07.09.22)	Turn Around	☐ Routine ☑ Rush
Project Number:	1112	Due Date:	24 hrs.
Project Location	Eddy Co, NM		
Sampler's Name:	GPJ		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	Yes (No)
Received Intact:	(Yes) No	Thermometer ID:	113
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.6°c
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:	4.3°c
Total Containers:		Corrected Temperature:	3.7°c

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	Hold	Sample Comments
SW-4 (3')	10/3/2022		X		C	1		X	X	X		21
SW-5 (3')	10/3/2022		X		C	1		X	X	X		22
SW-6 (2')	10/3/2022		X		C	1		X	X	X		23
SW-7 (5')	10/3/2022		X		C	1		X	X	X		24
SW-8 (5')	10/3/2022		X		C	1		X	X	X		25
SW-9 (5')	10/3/2022		X		C	1		X	X	X		26
SW-10 (3')	10/3/2022		X		C	1		X	X	X		27
SW-11 (3')	10/3/2022		X		C	1		X	X	X		28
SW-12 (5')	10/3/2022		X		C	1		X	X	X		29
SW-13 (3')	10/3/2022		X		C	1		X	X	X		30

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Conner Moehring	10/4/22 1351	S Rodriguez	10.4.22 1351

Chain of Custody

Work Order No: H224014

Page 4 of 4

Project Manager:	Conner Moehring	Bill to: (if different)	Jacqui Harris
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 415	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
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 ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	JoHelen 001 (07.09.22)	Turn Around	☐ Routine ☑ Rush
Project Number:	1112	Due Date:	24 hrs.
Project Location	Eddy Co, NM		
Sampler's Name:	GPJ		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	113
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.1°C
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:	4.3°C
Total Containers:		Corrected Temperature:	3.7°C

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	Hold	Sample Comments
SW-14 (2')	10/3/2022		X		C	1		X	X	X		31
SW-15 (2')	10/3/2022		X		C	1		X	X	X		32
SW-16 (2')	10/3/2022		X		C	1		X	X	X		33
SW-17 (2')	10/3/2022		X		C	1		X	X	X		34
SW-18 (2')	10/3/2022		X		C	1		X	X	X		35

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Conner Moehring	10/4/22 1351	S Rodriguez	10.4.22 1351

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 151288

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 151288
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	12/15/2022