

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

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

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

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

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

Cause of Release

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

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



SITE INFORMATION

Closure Report
SRO State Com 053H (04.22.23)
Incident # NAPP2312934730
Eddy County, New Mexico
Unit A Sec 16 T26S R28E
32.0491°, -104.0851°

Crude Oil Release
Point of Release: Circulating Pump Malfunction
Release Date: 04.22.23
Volume Released: 30 Barrels of Crude Oil
Volume Recovered: 25 Barrels of Crude Oil

CARMONA RESOURCES



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

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



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December 7, 2023

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

**Re: Closure Report
SRO State Com 053H (04.22.23)
Concho Operating, LLC
Incident # NAPP2312934730
Site Location: Unit A, S16, T26S, R28E
(Lat 32.0491°, Long -104.0851°)
Eddy County, New Mexico**

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site activities for the SRO State Com 053H. The site is located at 32.0491°, -104.0851° within Unit A, S16, T26S, R28E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on April 22, 2023, caused by a circulating pump malfunction. The incident released approximately thirty (30) barrels of crude oil, with twenty-five (25) barrels recovered. Refer to Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water source within a 0.50-mile radius of the location exists. The nearest identified well is located approximately 1.10 miles southwest of the site in S17, T26S, R28E and was drilled in 1998. The well has a reported depth to groundwater of 16.35 feet below the ground surface (ft bgs). A copy of the associated Point of Diversion Summary report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

4.0 Site Assessment Activities

Initial Assessment

On September 5, 2023, Carmona Resources, LLC performed site assessment activities to evaluate the soil impacts surrounding the release. Seven (7) horizontal samples (H-1 through H-7) were advanced to depths ranging from the surface to 0.5' bgs to evaluate the lateral extent of the contamination. See Figure 3 for the soil

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



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

Horizontal Delineation

All horizontal sample points were below the regulatory limits for benzene, total BTEX, TPH, and chloride concentrations. Refer to Table 1.

Trenching Activities

On September 27, 2023, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. Seven (7) trenches were advanced to depths ranging from the surface to 5' bgs inside the release area to assess the vertical extent. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

Vertical Delineation

The areas of T-1, T-2, and T-3 showed elevated TPH concentrations ranging from 133 mg/kg to 188 mg/kg. Vertical delineation was achieved for all other trench locations. Refer to Table 1.

5.0 Remediation Activities

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via email on November 7, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of ten (10) confirmation floor samples were collected (CS-1 through CS-10), and twenty-three (23) sidewall samples (SW-1 through SW-23) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

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

6.0 Reclamation Activities

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. The backfilled areas were seeded on November 15, 2023. The appropriate pounds of pure live seed per acre were used. The seeds were applied via hand broadcasting method due to the area being less than ¼ acres. The topsoil was raked onto the seed to aid the vegetation process. The seed mixture used was the SLO sandy loam (SL), per SLO criteria (See attachments in Appendix F). Approximately 180 cubic yards of material were excavated and transported offsite for proper disposal.

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CARMONA RESOURCES



7.0 Conclusions

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

Sincerely,

Carmona Resources, LLC

Mike Carmona
Environmental Manager

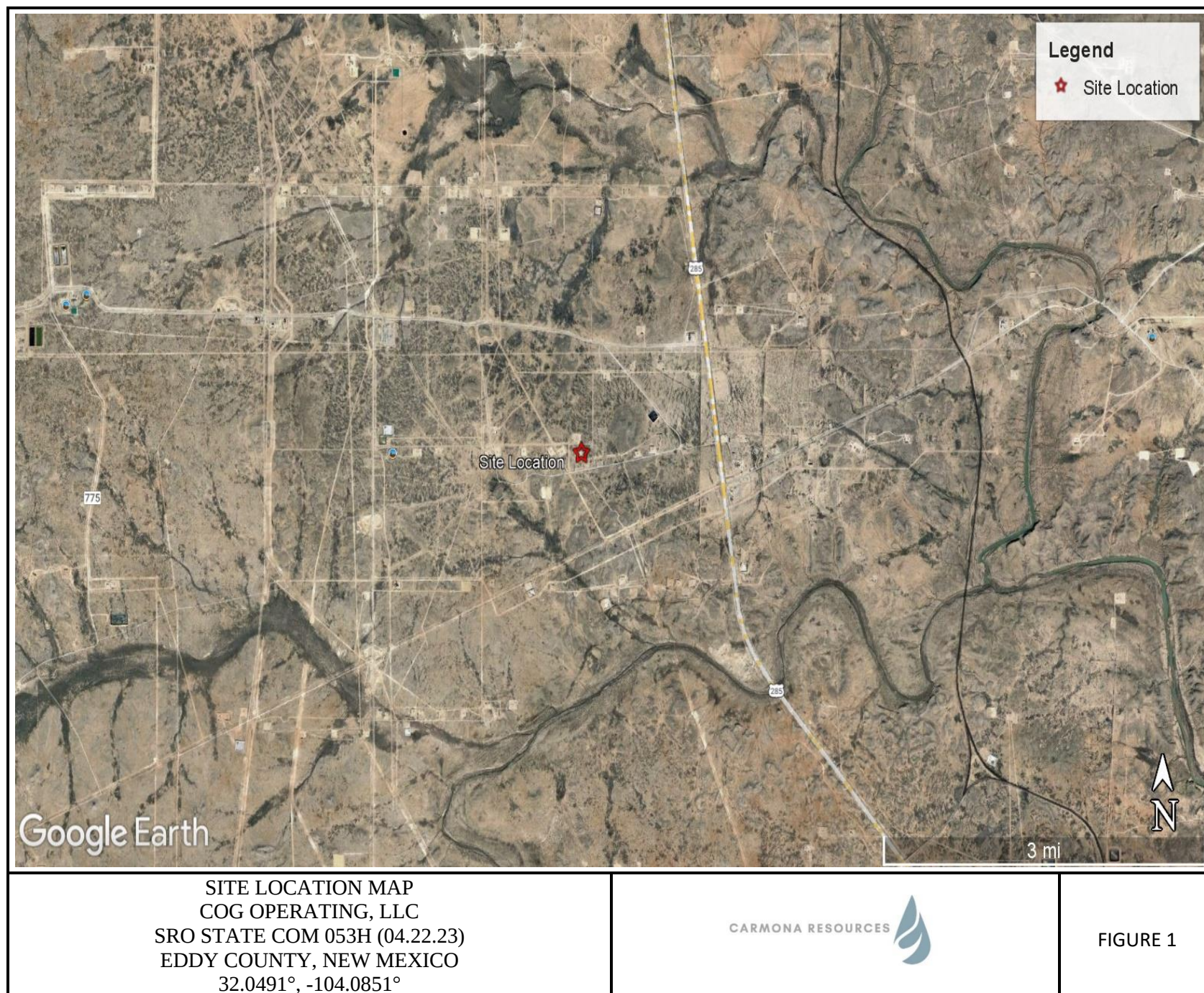
Devin Dominguez
Sr. Project Manager

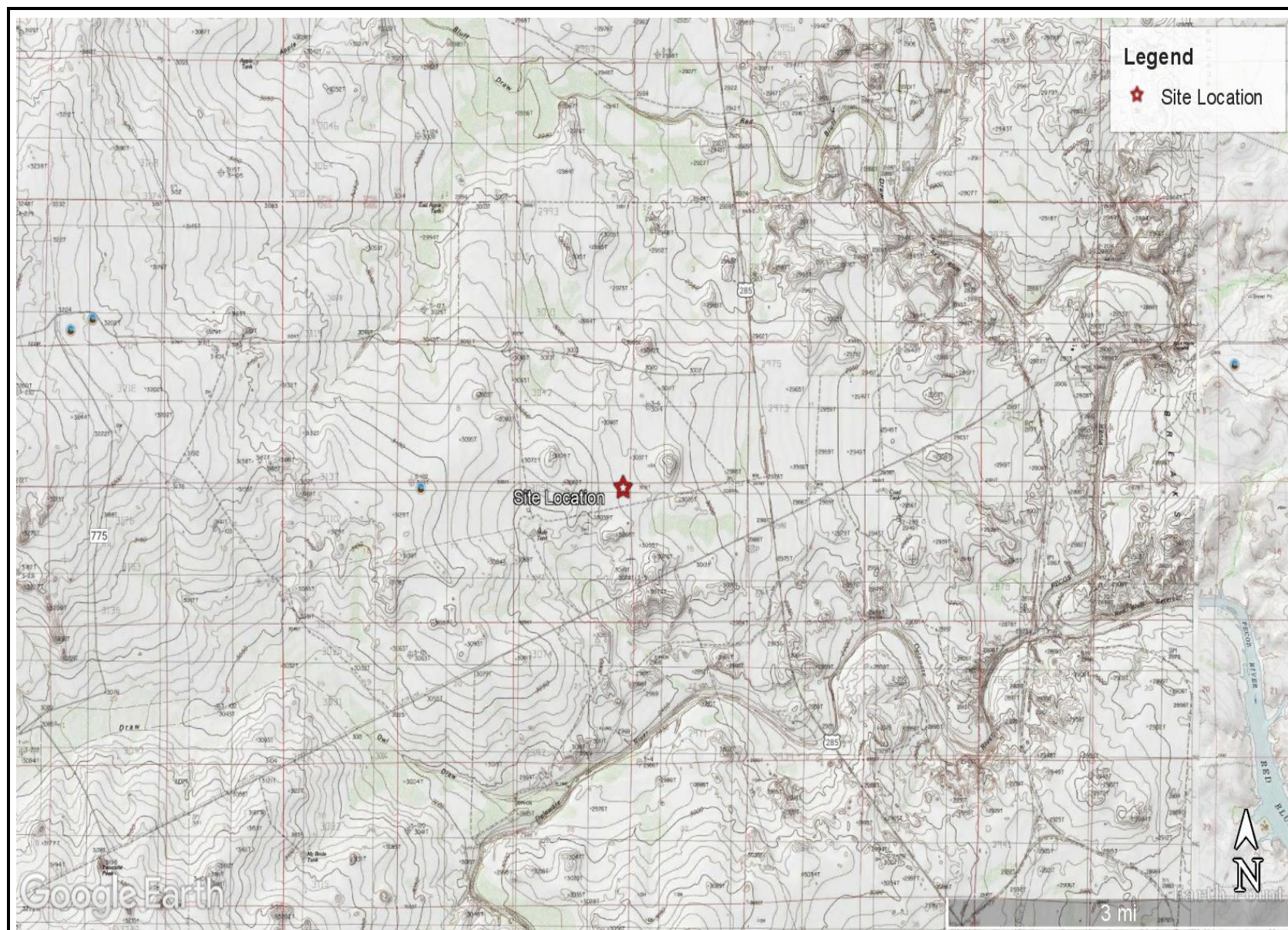
310 West Wall Street, Suite 500
Midland, Texas 79701
432.813.1992

FIGURES

CARMONA RESOURCES



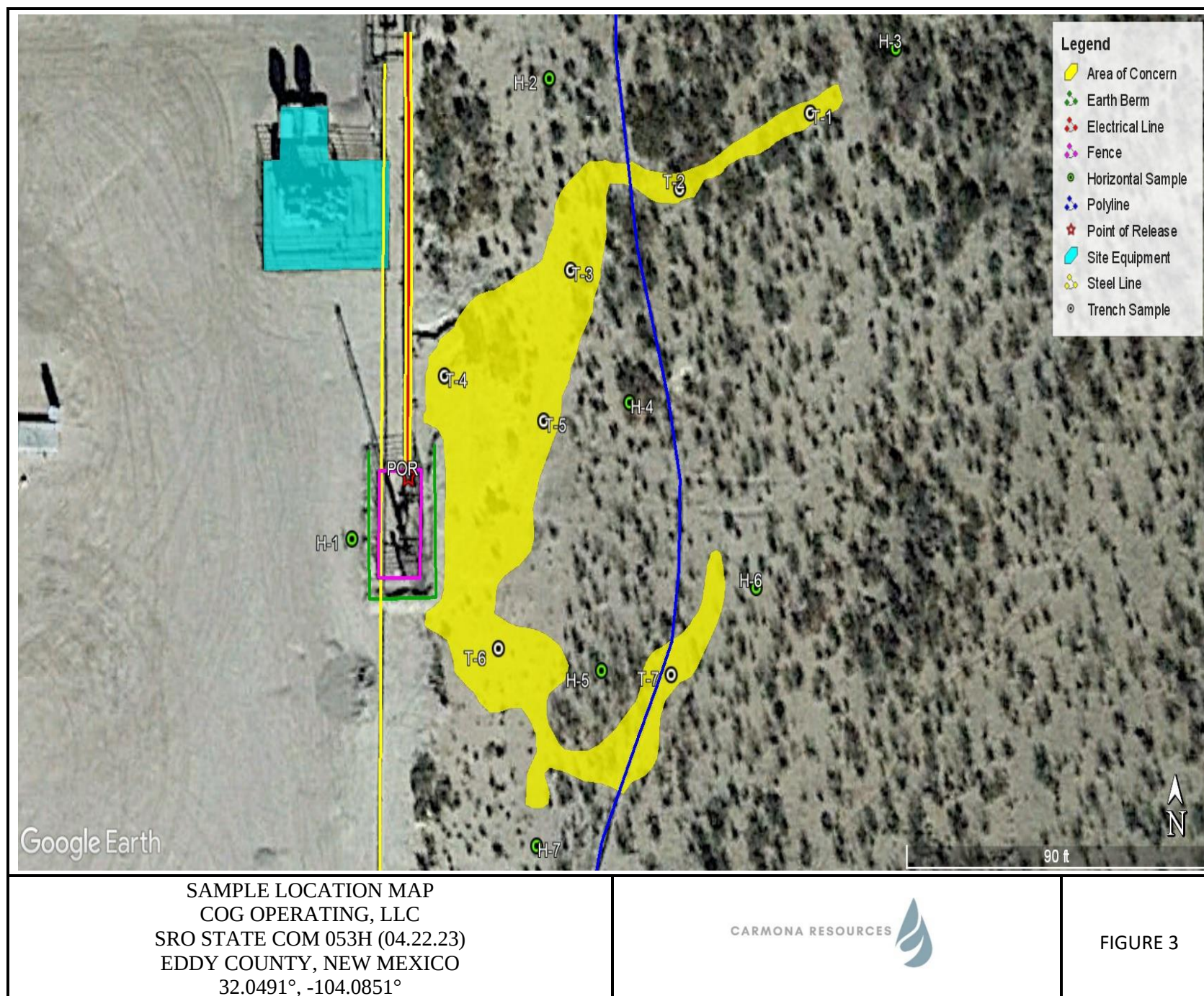




TOPOGRAPHIC MAP
COG OPERATING, LLC
SRO STATE COM 053H (04.22.23)
EDDY COUNTY, NEW MEXICO
32.0491°, -104.0851°



FIGURE 2

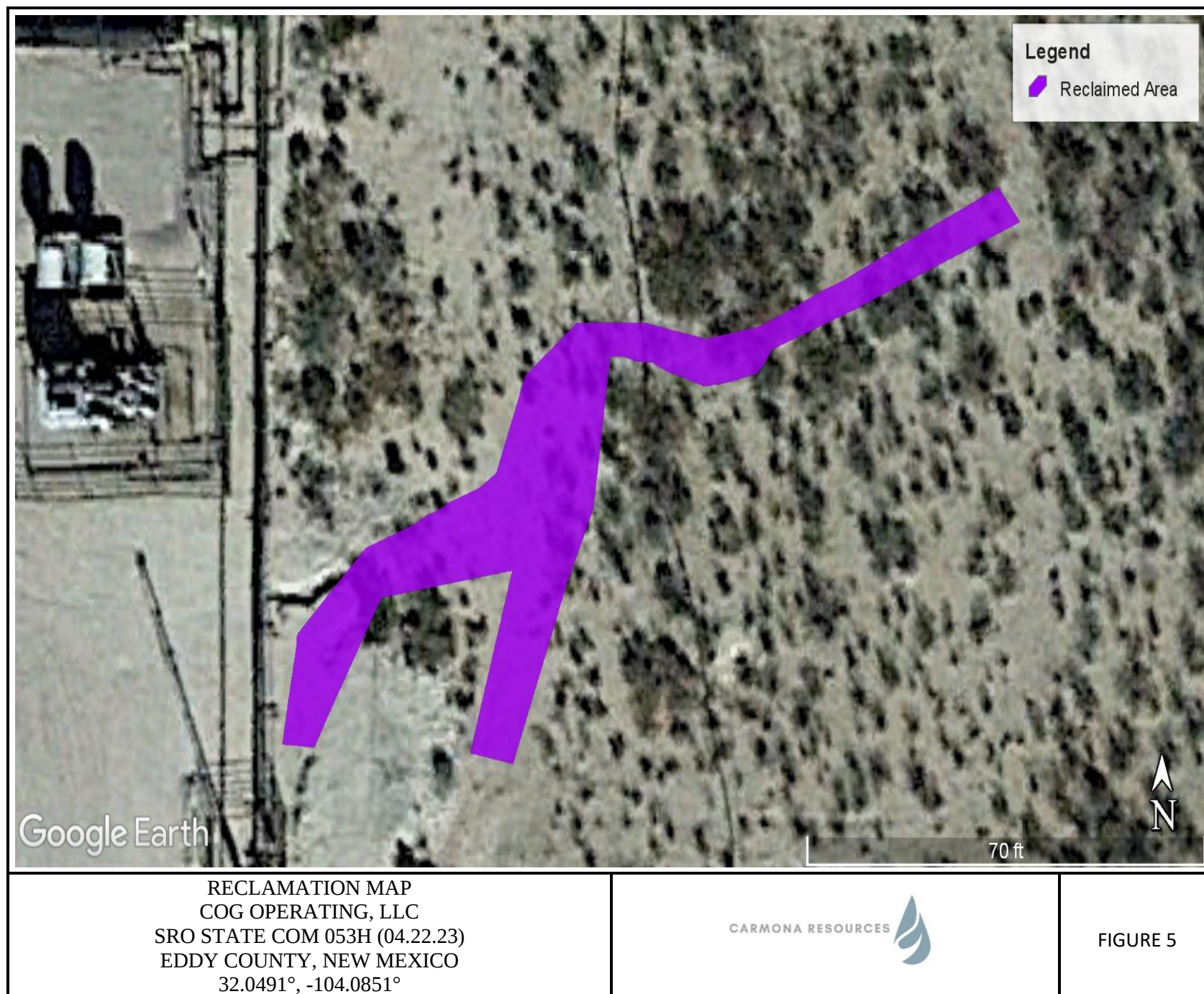




EXCAVATION MAP
 COG OPERATING, LLC
 SRO STATE COM 053H (04.22.23)
 EDDY COUNTY, NEW MEXICO
 32.0491°, -104.0851°



FIGURE 4



APPENDIX A

CARMONA RESOURCES



Table 1
COG Operating, LLC
SRO State Com 053H (04.22.23)
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						
T-1	9/27/2023	0-1	62.0	1,820	<49.9	1,880	<0.00199	0.0332	0.0302	0.332	0.395	115
	"	1.5	2,740	5,650	<49.6	8,390	0.00536	0.0595	0.101	9.71	8.50	90.7
	"	2.0	95.6	202	<50.0	298	<0.00201	0.00844	<0.00201	0.0328	0.0412	80.6
	"	3.0	144	84.1	<50.3	228	<0.00199	<0.00199	<0.00199	0.0186	0.0186	123
	"	4.0	103	203	<50.4	306	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	87.2
	"	5.0	66.4	66.1	<50.1	133	<0.00200	<0.00200	<0.00200	0.00895	0.00895	96.2
T-2	9/27/2023	0-1	59.2	321	<50.0	380	<0.00200	<0.00200	<0.00200	0.0545	0.0545	96.0
	"	1.5	65.2	180	<49.8	245	<0.00199	<0.00199	0.00298	0.0474	0.0504	104
	"	2.0	97.0	72.9	<49.6	170	<0.00199	<0.00199	<0.00199	0.0206	0.0206	44.0
	"	3.0	93.7	108	<50.3	202	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	95.2
	"	4.0	97.2	91.1	<50.5	188	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	108
T-3	9/27/2023	0-1	161	3,710	<49.9	3,870	0.0561	1.62	0.176	0.838	2.69	164
	"	1.5	89.4	375	<49.7	464	<0.00199	0.00897	0.00450	0.0431	0.0566	127
	"	2.0	145	99.2	<50.4	244	<0.00199	0.00294	<0.00199	0.0165	0.0195	74.0
	"	3.0	93.2	276	<50.0	369	<0.00200	0.00466	0.00711	0.0683	0.0801	107
	"	4.0	110	61.2	<49.6	171	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	115
T-4	9/27/2023	0-1	<49.6	1,120	50.3	1,170	<0.00199	<0.00199	0.00729	0.0874	0.0947	38.8
	"	1.5	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	205
	"	2.0	<49.7	51.2	<49.7	51.2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	150
	"	3.0	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	93.3
	"	4.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	91.7
T-5	9/27/2023	0-1	<49.9	1,990	110	2,100	<0.00200	0.0837	0.146	0.862	1.09	132
	"	1.5	382	1,930	90.7	2,400	<0.00200	0.0850	0.272	2.22	2.58	108
	"	2.0	<50.3	173	<50.3	173	<0.00199	<0.00199	0.00416	0.0355	0.0397	226
	"	3.0	<50.4	54.9	<50.4	54.9	<0.00199	<0.00199	<0.00199	0.00571	0.00571	175
	"	4.0	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	92.0
T-6	9/27/2023	0-1	<50.2	59.0	<50.2	59.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	104
	"	1.5	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	83.2
	"	2.0	<50.5	<50.5	<50.5	<50.5	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	74.2
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	141
	"	4.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	91.9
T-7	9/27/2023	0-1	<49.9	73.7	<49.9	73.7	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	97.7
	"	1.5	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	86.3
	"	2.0	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	95.9
	"	3.0	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	110
	"	4.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	93.8
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												
(T) Trench Sample												
Removed												

Table 1
COG Operating, LLC
SRO State Com 053H (04.22.23)
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						
H-1	9/5/2023	0-0.5'	<50.3	80.8	<50.3	80.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	159
H-2	9/5/2023	0-0.5'	<50.3	<50.3	<50.3	<50.3	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	33.5
H-3	9/5/2023	0-0.5'	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	32.1
H-4	9/5/2023	0-0.5'	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	34.8
H-5	9/5/2023	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	26.4
H-6	9/5/2023	0-0.5'	<49.6	51.5	<49.6	51.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	26.9
H-7	9/5/2023	0-0.5'	<50.2	<50.2	<50.2	<50.2	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	32.3
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

(H) Horizontal Sample

Table 2
COG Operating, LLC
SRO State Com 053H (04.22.23)
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	11/9/2023	5.5	<49.6	54.6	<49.6	54.6	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	70.4
CS-2	11/9/2023	4.5	<50.5	56.6	<50.5	56.6	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	66.6
CS-3	11/9/2023	4.5	<49.7	92.8	<49.7	92.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	53.0
CS-4	11/9/2023	4.5	<49.9	53.1	<49.9	53.1	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	39.8
CS-5	11/9/2023	4.5	<49.6	61.7	<49.6	61.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	57.5
CS-6	11/9/2023	4.5	<50.0	55.1	<50.0	55.1	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	48.9
CS-7	11/9/2023	4.5	<50.3	52.5	<50.3	52.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	58.9
CS-8	11/9/2023	4.5	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	40.8
CS-9	11/9/2023	3.0	<50.2	53.1	<50.2	53.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	29.0
CS-10	11/9/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	48.9
Regulatory Criteria^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Sample

Table 2
COG Operating, LLC
SRO State Com 053H (04.22.23)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	11/9/2023	5.5	<49.8	61.5	<49.8	61.5	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	57.3
SW-2	11/9/2023	5.5	<49.9	52.6	<49.9	52.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	47.1
SW-3	11/9/2023	5.5	<50.3	60.8	<50.3	60.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	60.4
SW-4	11/9/2023	1.0	<50.3	53.2	<50.3	53.2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	59.8
SW-5	11/9/2023	4.5	<49.6	55.0	<49.6	55.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	52.2
SW-6	11/9/2023	4.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	36.5
SW-7	11/9/2023	4.5	<50.2	54.8	<50.2	54.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	71.1
SW-8	11/9/2023	4.5	<50.4	51.6	<50.4	51.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	74.6
SW-9	11/9/2023	4.5	<50.5	54.9	<50.5	54.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	52.1
SW-10	11/9/2023	4.5	<49.7	56.4	<49.7	56.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	43.0
SW-11	11/9/2023	4.5	<49.6	58.5	<49.6	58.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	57.4
SW-12	11/9/2023	4.5	<50.5	70.0	<50.5	70.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	63.4
SW-13	11/9/2023	3.0	<50.0	62.7	<50.0	62.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	45.7
SW-14	11/9/2023	4.5	<50.3	61.9	<50.3	61.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	66.8
SW-15	11/9/2023	4.5	<49.7	55.2	<49.7	55.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	46.8
SW-16	11/9/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	43.5
SW-17	11/9/2023	4.5	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	45.0
SW-18	11/9/2023	3.0	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	45.8
SW-19	11/9/2023	3.0	<50.4	<50.4	<50.4	<50.4	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	40.5
SW-20	11/9/2023	3.0	<49.6	52.6	<49.6	52.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	41.2
SW-21	11/9/2023	1.5	<50.4	51.2	<50.4	51.2	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	29.0
SW-22	11/9/2023	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	53.6
SW-23	11/9/2023	1.5	<50.5	66.6	<50.5	66.6	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	52.0
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: SRO State Com 053H (04.22.23)

County: Eddy County, New Mexico

Description:

View North, area of CS-1.



Photograph No. 2

Facility: SRO State Com 053H (04.22.23)

County: Eddy County, New Mexico

Description:

View Southwest, area of CS-2 and CS-3



Photograph No. 3

Facility: SRO State Com 053H (04.22.23)

County: Eddy County, New Mexico

Description:

View Northwest, area of CS-4 through CS-8.



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 4

Facility: SRO State Com 053H (04.22.23)

County: Eddy County, New Mexico

Description:
View Northwest, area of CS-9.



Photograph No. 5

Facility: SRO State Com 053H (04.22.23)

County: Eddy County, New Mexico

Description:
View West, area of CS-10.

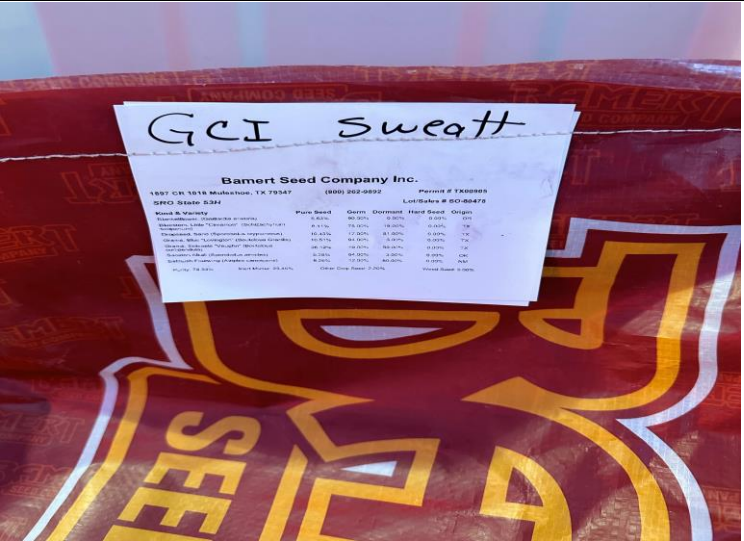


Photograph No. 6

Facility: SRO State Com 053H (04.22.23)

County: Eddy County, New Mexico

Description:
Seed mixture.



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 7

Facility: SRO State Com 053H (04.22.23)

County: Eddy County, New Mexico

Description:

View Southwest, reclaimed area.



Photograph No. 8

Facility: SRO State Com 053H (04.22.23)

County: Eddy County, New Mexico

Description:

View South, reclaimed area.



APPENDIX C

CARMONA RESOURCES



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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

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

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

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

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

Cause of Release

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

☐ The source of the release has been stopped.	
☐ The impacted area has been secured to protect human health and the environment.	
☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
☐ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name _____	Title: _____
Signature: <u>Battani Espinoza</u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>05/09/2023</u>

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.

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: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: _____ Title: _____

Signature: Jacqui Harris Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

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 215072

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 215072
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	5/9/2023

Hi Devin,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive | Santa Fe, NM 87505
(505)469-7520 | Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Devin Dominguez <Ddominguez@carmonaresources.com>
Sent: Tuesday, November 7, 2023 9:06 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Mike Carmona <Mcarmona@carmonaresources.com>; Conner Moehring <Cmoehring@carmonaresources.com>; Clint Merritt <MerrittC@carmonaresources.com>; jacqui.harris@conocophillips.com
Subject: [EXTERNAL] COG - SRO State Com 053H - Sampling Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Morning,

This email is a notification for confirmation sampling for the COG –SRO State Com 053H. Sampling is scheduled to begin on Thursday, November 9th, around 9:30 a.m. Mountain Time. Carmona Resources personnel will be on-site to collect the confirmation samples.

Incident ID: NAPP2312934730

Please call if you have any questions.

Devin Dominguez
310 West Wall Street, Suite 500
Midland Texas, 79701
M: 432-701-5475

ddominguez@carmonaresources.com



APPENDIX D

CARMONA RESOURCES



Nearest water well

COG Operating

Legend

 0.50 Mile Radius

 1.10 Miles

 1.11 Miles

 1.12 Miles

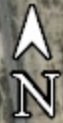
 1.15 Miles

 1.22 Miles

 NMSEO Water Well

 SRO State Com 053H (04.22.2023)

 USGS Water Well



3000 ft

Medium Karst

COG Operating

Legend

- High
- Medium
- SRO State Com 053H (04.22.2023)

SRO State Com 053H (04.22.2023)



2 mi



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 02479	CUB	ED		4	4	10	26S	28E		587909	3546534*	1564	200		
C 02480	CUB	ED		4	4	10	26S	28E		587909	3546534*	1564	150		
C 04022 POD1	CUB	ED		4	4	2	15	26S	28E	588082	3545647	1810	220	175	45
C 02160 S5	CUB	ED		1	1	1	14	26S	28E	588225	3546237*	1853	300	120	180
C 02481	CUB	ED		1	1	14	26S	28E		588326	3546138*	1956	200		
C 02160 S6	CUB	ED		3	3	1	14	26S	28E	588232	3545635*	1957	300	120	180
C 02160 S7	CUB	ED		3	3	1	22	26S	28E	586638	3543998*	2261	300	120	180
C 02160 S3	CUB	ED		2	2	1	14	26S	28E	588834	3546241*	2462	300	120	180
C 02160 S4	CUB	ED		2	2	1	14	26S	28E	588834	3546241*	2462	300	120	180
C 02160 S	CUB	ED		1	1	2	14	26S	28E	589043	3546244*	2671	300	120	180
C 02160 S2	CUB	ED		1	1	2	14	26S	28E	589043	3546244*	2671	300	120	180
C 02160	CUB	ED		4	1	2	14	26S	28E	589243	3546044*	2877	300	120	180
C 02924	C	ED		1	3	2	11	26S	28E	589032	3547451*	2921			
C 02477	CUB	ED		1	1	03	26S	28E		586687	3549347*	3118	150		
C 01668	CUB	ED		3	3	12	26S	28E		589957	3546554*	3598	250	100	150
C 04022 POD2	CUB	ED		2	2	2	27	26S	28E	588106	3543082	3606	250	145	105
C 02160 S8	CUB	ED		2	3	3	12	26S	28E	590056	3546653*	3706	200	120	80
C 02160 S9	CUB	ED		3	3	2	02	26S	28E	589020	3548868*	3727	300	120	180
C 02478	CUB	ED		2	1	05	26S	28E		583848	3549325*	3982	100		

Average Depth to Water: **124 feet**

Minimum Depth: **100 feet**

Maximum Depth: **175 feet**

Record Count: 19

UTMNAD83 Radius Search (in meters):

Easting (X): 586372

Northing (Y): 3546244

Radius: 4000

*UTM location was derived from PLSS - see Help

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

7/21/23 9:25 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

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- [Full News](#)

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320230104060601

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

USGS 320230104060601 26S.28E.18.33111

Eddy County, New Mexico
Latitude 32°02'30", Longitude 104°06'06" NAD27
Land-surface elevation 3,070 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Castile Formation (312CSTL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1981-05-01			D 62610		3050.88	NGVD29	1	Z		
1981-05-01			D 62611		3052.48	NAVD88	1	Z		
1981-05-01			D 72019	17.52			1	Z		
1983-01-25			D 62610		3052.15	NGVD29	1	Z		
1983-01-25			D 62611		3053.75	NAVD88	1	Z		
1983-01-25			D 72019	16.25			1	Z		
1987-10-13			D 62610		3053.27	NGVD29	1	Z		
1987-10-13			D 62611		3054.87	NAVD88	1	Z		
1987-10-13			D 72019	15.13			1	Z		
1992-11-03			D 62610		3050.77	NGVD29	1	S		
1992-11-03			D 62611		3052.37	NAVD88	1	S		
1992-11-03			D 72019	17.63			1	S		
1998-01-22			D 62610		3052.05	NGVD29	1	S		
1998-01-22			D 62611		3053.65	NAVD88	1	S		
1998-01-22			D 72019	16.35			1	S		

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

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[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: 2023-07-23 11:13:59 EDT
0.28 0.24 nadww02

Date

Time

?
Water-level date-time accuracy

?
Parameter code

Water level, feet below land surface

Water level, feet above specific vertical datum

Referenced vertical datum

?
Status

GroundwaterNew MexicoGO

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- [Full News](#) 

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320309104020401

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

USGS 320309104020401 26S.28E.14.11111

Eddy County, New Mexico
Latitude 32°02'59.0", Longitude 104°03'58.7" NAD83
Land-surface elevation 2,972.00 feet above NGVD29
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1978-01-13		D	62610		2849.66	NGVD29	1	Z		
1978-01-13		D	62611		2851.23	NAVD88	1	Z		
1978-01-13		D	72019	122.34			1	Z		
1983-01-25		D	62610		2844.62	NGVD29	1	Z		
1983-01-25		D	62611		2846.19	NAVD88	1	Z		
1983-01-25		D	72019	127.38			1	Z		
1987-10-14		D	62610		2865.60	NGVD29	1	Z		
1987-10-14		D	62611		2867.17	NAVD88	1	Z		
1987-10-14		D	72019	106.40			1	Z		
1993-01-05		D	62610		2871.58	NGVD29	1	S		
1993-01-05		D	62611		2873.15	NAVD88	1	S		
1993-01-05		D	72019	100.42			1	S		
1998-01-22		D	62610		2875.45	NGVD29	1	S		
1998-01-22		D	62611		2877.02	NAVD88	1	S		
1998-01-22		D	72019	96.55			1	S		

Date	Time	?	?	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	?
		Water-level date-time accuracy	Parameter code				Status
2003-01-27		D	62610	2874.98	NGVD29	1	USGS
2003-01-27		D	62611	2876.55	NAVD88	1	USGS
2003-01-27		D	72019	97.02		1	USGS
2013-01-09 20:30 UTC		m	62610	2832.88	NGVD29	1	USGS
2013-01-09 20:30 UTC		m	62611	2834.45	NAVD88	1	USGS
2013-01-09 20:30 UTC		m	72019	139.12		1	USGS
2021-02-24 20:05 UTC		m	62610	2816.08	NGVD29	1	USGS
2021-02-24 20:05 UTC		m	62611	2817.65	NAVD88	1	USGS
2021-02-24 20:05 UTC		m	72019	155.92		1	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	V	Calibrated electric-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Title: Groundwater for New Mexico: Water Levels

URL: [https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?](https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=320309104020401&agency_cd=USGS&format=html)



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

Page Last Modified: 2023-07-23 11:18:54 EDT

0.29 0.24 nadww02



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	04022 POD1	4	4	2	15	26S	28E	588082	3545647

x

Driller License: 1184 **Driller Company:** WEST TEXAS WATER WELL SERVICE

Driller Name: KEITH, RONNY

Drill Start Date: 05/01/2017 **Drill Finish Date:** 05/05/2017 **Plug Date:**

Log File Date: 06/05/2017 **PCW Rev Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 1 GPM

Casing Size: 12.25 **Depth Well:** 220 feet **Depth Water:** 175 feet

x

Water Bearing Stratifications:	Top	Bottom	Description
	175	180	Sandstone/Gravel/Conglomerate

x

Casing Perforations:	Top	Bottom
	160	220

x

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7/21/23 9:27 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)		(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C 02160 S6		3	3	1	14	26S	28E	588232	3545635*
Driller License:									
Driller Name: HEMLER									
Driller Company:									
Drill Start Date:									
Drill Finish Date: 11/01/1960									
Plug Date:									
Log File Date:									
PCW Rev Date:									
Source: Shallow									
Pump Type:									
Pipe Discharge Size:									
Estimated Yield:									
Casing Size:									
Depth Well: 300 feet									
Depth Water: 120 feet									

*UTM location was derived from PLSS - see Help

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

7/21/23 9:28 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)		(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C 02160 S5		1	1	1	14	26S	28E	588225	3546237*
Driller License:		Driller Company:							
Driller Name: HEMLER									
Drill Start Date:		Drill Finish Date:		09/01/1960		Plug Date:			
Log File Date:		PCW Rev Date:				Source:		Shallow	
Pump Type:		Pipe Discharge Size:				Estimated Yield:			
Casing Size:		Depth Well:		300 feet		Depth Water:		120 feet	

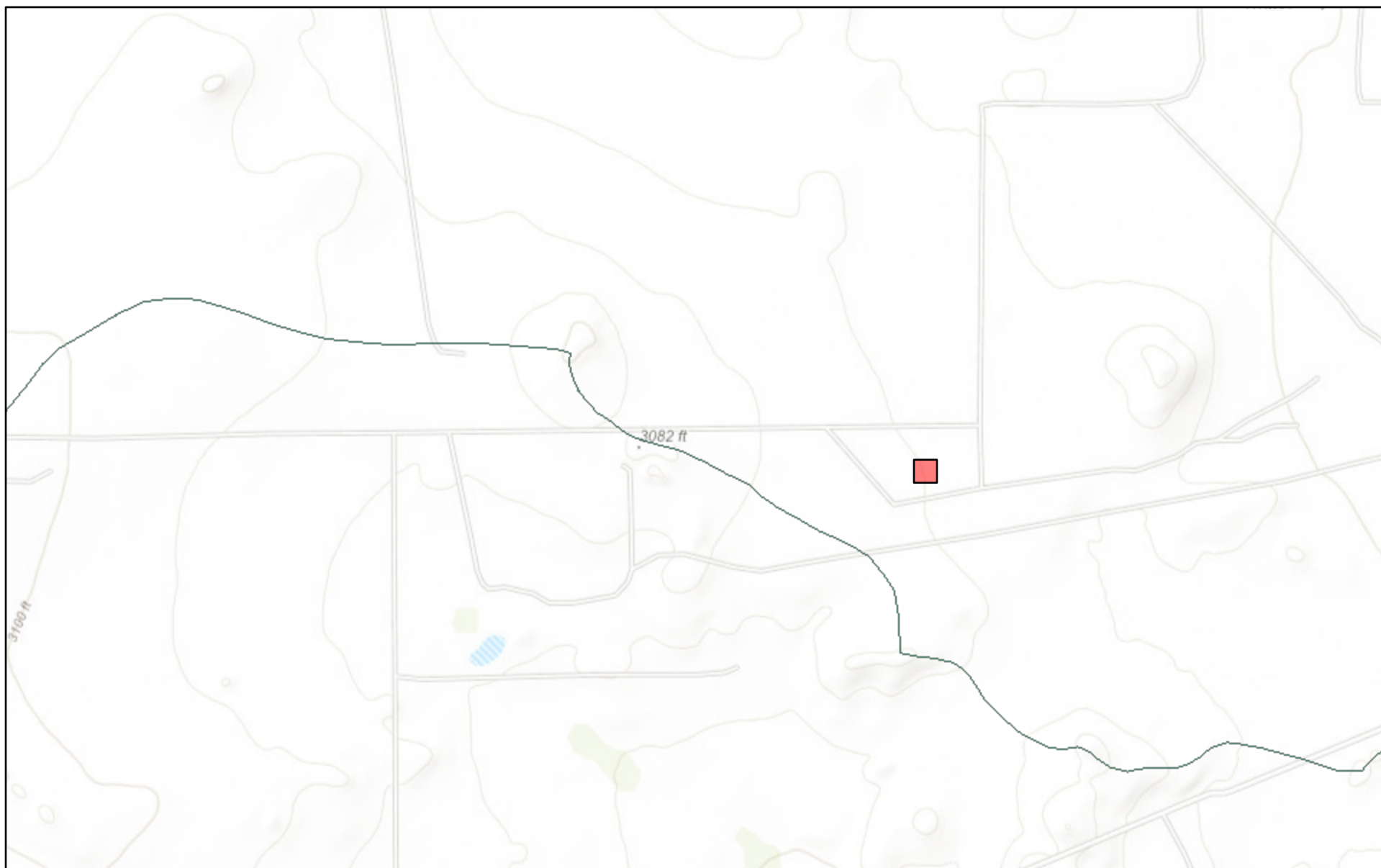
*UTM location was derived from PLSS - see Help

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

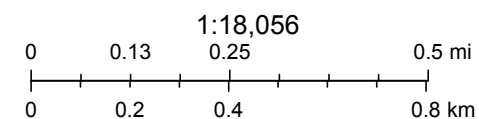
7/21/23 9:27 AM

POINT OF DIVERSION SUMMARY

New Mexico NFHL Data



July 21, 2023



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

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APPENDIX E

CARMONA RESOURCES





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 9/13/2023 12:52:24 PM

JOB DESCRIPTION

SRO State Com 53H (04.20.23)
SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-32977-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



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9/13/2023 12:52:24 PM

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

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Laboratory Job ID: 880-32977-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-32977-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance 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: SRO State Com 53H (04.20.23)

Job ID: 880-32977-1
SDG: Eddy County, New Mexico

Job ID: 880-32977-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-32977-1****Receipt**

The samples were received on 9/7/2023 2:26 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.7°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-32977-1), H-2 (0-0.5') (880-32977-2), H-3 (0-0.5') (880-32977-3), H-4 (0-0.5') (880-32977-4), H-5 (0-0.5') (880-32977-5), H-6 (0-0.5') (880-32977-6) and H-7 (0-0.5') (880-32977-7).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: H-6 (0-0.5') (880-32977-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-62002 and analytical batch 880-61968 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-62059 and analytical batch 880-62025 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-62025/20) and (CCV 880-62025/5). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-62059 and analytical batch 880-62025 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.

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

HPLC/IC

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

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-32977-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-32977-1

Date Collected: 09/05/23 00:00

Matrix: Solid

Date Received: 09/07/23 14:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/07/23 15:49	09/07/23 20:46	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/07/23 15:49	09/07/23 20:46	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/07/23 15:49	09/07/23 20:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/07/23 15:49	09/07/23 20:46	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/07/23 15:49	09/07/23 20:46	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/07/23 15:49	09/07/23 20:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	09/07/23 15:49	09/07/23 20:46	1
1,4-Difluorobenzene (Surr)	106		70 - 130	09/07/23 15:49	09/07/23 20:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/08/23 08:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	80.8		50.3		mg/Kg			09/11/23 09:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		09/08/23 10:06	09/08/23 11:42	1
Diesel Range Organics (Over C10-C28)	80.8	*-	50.3		mg/Kg		09/08/23 10:06	09/08/23 11:42	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		09/08/23 10:06	09/08/23 11:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	09/08/23 10:06	09/08/23 11:42	1
o-Terphenyl	77		70 - 130	09/08/23 10:06	09/08/23 11:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	159		5.01		mg/Kg			09/12/23 15:34	1

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

Lab Sample ID: 880-32977-2

Date Collected: 09/05/23 00:00

Matrix: Solid

Date Received: 09/07/23 14:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/07/23 15:49	09/07/23 21:07	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/07/23 15:49	09/07/23 21:07	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/07/23 15:49	09/07/23 21:07	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/07/23 15:49	09/07/23 21:07	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/07/23 15:49	09/07/23 21:07	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/07/23 15:49	09/07/23 21:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	09/07/23 15:49	09/07/23 21:07	1
1,4-Difluorobenzene (Surr)	96		70 - 130	09/07/23 15:49	09/07/23 21:07	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-32977-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-32977-2

Date Collected: 09/05/23 00:00

Matrix: Solid

Date Received: 09/07/23 14:26

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/08/23 08:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			09/11/23 09:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		09/08/23 10:06	09/08/23 12:48	1
Diesel Range Organics (Over C10-C28)	<50.3	U *	50.3		mg/Kg		09/08/23 10:06	09/08/23 12:48	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		09/08/23 10:06	09/08/23 12:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				09/08/23 10:06	09/08/23 12:48	1
o-Terphenyl	85		70 - 130				09/08/23 10:06	09/08/23 12:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.5		4.95		mg/Kg			09/12/23 15:53	1

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

Lab Sample ID: 880-32977-3

Date Collected: 09/05/23 00:00

Matrix: Solid

Date Received: 09/07/23 14:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/07/23 15:49	09/07/23 21:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/07/23 15:49	09/07/23 21:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/07/23 15:49	09/07/23 21:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/07/23 15:49	09/07/23 21:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/07/23 15:49	09/07/23 21:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/07/23 15:49	09/07/23 21:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				09/07/23 15:49	09/07/23 21:27	1
1,4-Difluorobenzene (Surr)	81		70 - 130				09/07/23 15:49	09/07/23 21:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/08/23 08:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			09/11/23 09:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		09/08/23 10:06	09/08/23 13:11	1
Diesel Range Organics (Over C10-C28)	<50.1	U *	50.1		mg/Kg		09/08/23 10:06	09/08/23 13:11	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-32977-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-32977-3

Date Collected: 09/05/23 00:00

Matrix: Solid

Date Received: 09/07/23 14:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		09/08/23 10:06	09/08/23 13:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				09/08/23 10:06	09/08/23 13:11	1
o-Terphenyl	84		70 - 130				09/08/23 10:06	09/08/23 13:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.1		5.00		mg/Kg			09/12/23 16:00	1

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

Lab Sample ID: 880-32977-4

Date Collected: 09/05/23 00:00

Matrix: Solid

Date Received: 09/07/23 14:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/07/23 15:49	09/07/23 21:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/07/23 15:49	09/07/23 21:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/07/23 15:49	09/07/23 21:48	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/07/23 15:49	09/07/23 21:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/07/23 15:49	09/07/23 21:48	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/07/23 15:49	09/07/23 21:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				09/07/23 15:49	09/07/23 21:48	1
1,4-Difluorobenzene (Surr)	118		70 - 130				09/07/23 15:49	09/07/23 21:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/08/23 08:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/11/23 09:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		09/08/23 10:06	09/08/23 13:37	1
Diesel Range Organics (Over C10-C28)	<50.5	U *	50.5		mg/Kg		09/08/23 10:06	09/08/23 13:37	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/08/23 10:06	09/08/23 13:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				09/08/23 10:06	09/08/23 13:37	1
o-Terphenyl	82		70 - 130				09/08/23 10:06	09/08/23 13:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.8		5.05		mg/Kg			09/12/23 16:06	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-32977-1
SDG: Eddy County, New Mexico

Client Sample ID: H-5 (0-0.5')
Date Collected: 09/05/23 00:00
Date Received: 09/07/23 14:26

Lab Sample ID: 880-32977-5
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/07/23 15:49	09/07/23 22:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/07/23 15:49	09/07/23 22:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/07/23 15:49	09/07/23 22:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/07/23 15:49	09/07/23 22:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/07/23 15:49	09/07/23 22:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/07/23 15:49	09/07/23 22:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				09/07/23 15:49	09/07/23 22:09	1
1,4-Difluorobenzene (Surr)	106		70 - 130				09/07/23 15:49	09/07/23 22:09	1

Method: TAL SOP 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			09/08/23 08:59	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/11/23 09:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/08/23 10:06	09/08/23 13:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U *	49.9		mg/Kg		09/08/23 10:06	09/08/23 13:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/08/23 10:06	09/08/23 13:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				09/08/23 10:06	09/08/23 13:59	1
o-Terphenyl	87		70 - 130				09/08/23 10:06	09/08/23 13:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.4		4.97		mg/Kg			09/12/23 16:12	1

Client Sample ID: H-6 (0-0.5')
Date Collected: 09/05/23 00:00
Date Received: 09/07/23 14:26

Lab Sample ID: 880-32977-6
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/07/23 15:49	09/07/23 23:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/07/23 15:49	09/07/23 23:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/07/23 15:49	09/07/23 23:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/07/23 15:49	09/07/23 23:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/07/23 15:49	09/07/23 23:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/07/23 15:49	09/07/23 23:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				09/07/23 15:49	09/07/23 23:32	1
1,4-Difluorobenzene (Surr)	162	S1+	70 - 130				09/07/23 15:49	09/07/23 23:32	1

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-32977-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-32977-6

Date Collected: 09/05/23 00:00

Matrix: Solid

Date Received: 09/07/23 14:26

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/08/23 08:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	51.5		49.6		mg/Kg			09/11/23 09:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		09/08/23 10:06	09/08/23 14:21	1
Diesel Range Organics (Over C10-C28)	51.5	*	49.6		mg/Kg		09/08/23 10:06	09/08/23 14:21	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		09/08/23 10:06	09/08/23 14:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				09/08/23 10:06	09/08/23 14:21	1
o-Terphenyl	85		70 - 130				09/08/23 10:06	09/08/23 14:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.9		4.95		mg/Kg			09/12/23 16:19	1

Client Sample ID: H-7 (0-0.5')

Lab Sample ID: 880-32977-7

Date Collected: 09/05/23 00:00

Matrix: Solid

Date Received: 09/07/23 14:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/07/23 15:49	09/07/23 23:53	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/07/23 15:49	09/07/23 23:53	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/07/23 15:49	09/07/23 23:53	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		09/07/23 15:49	09/07/23 23:53	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/07/23 15:49	09/07/23 23:53	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		09/07/23 15:49	09/07/23 23:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				09/07/23 15:49	09/07/23 23:53	1
1,4-Difluorobenzene (Surr)	117		70 - 130				09/07/23 15:49	09/07/23 23:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			09/08/23 08:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			09/11/23 09:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		09/08/23 10:06	09/08/23 14:43	1
Diesel Range Organics (Over C10-C28)	<50.2	U *	50.2		mg/Kg		09/08/23 10:06	09/08/23 14:43	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-32977-1
SDG: Eddy County, New Mexico

Client Sample ID: H-7 (0-0.5')
Date Collected: 09/05/23 00:00
Date Received: 09/07/23 14:26

Lab Sample ID: 880-32977-7
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		09/08/23 10:06	09/08/23 14:43	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	95		70 - 130				09/08/23 10:06	09/08/23 14:43	1	
o-Terphenyl	84		70 - 130				09/08/23 10:06	09/08/23 14:43	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	32.3		4.99		mg/Kg			09/12/23 16:25	1	

Surrogate Summary

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-32977-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-32977-1	H-1 (0-0.5')	92	106
880-32977-2	H-2 (0-0.5')	81	96
880-32977-3	H-3 (0-0.5')	91	81
880-32977-4	H-4 (0-0.5')	104	118
880-32977-5	H-5 (0-0.5')	94	106
880-32977-6	H-6 (0-0.5')	91	162 S1+
880-32977-7	H-7 (0-0.5')	98	117
880-32978-A-1-A MS	Matrix Spike	91	103
880-32978-A-1-B MSD	Matrix Spike Duplicate	86	101
LCS 880-62002/1-A	Lab Control Sample	88	100
LCSD 880-62002/2-A	Lab Control Sample Dup	97	101
MB 880-62002/5-A	Method Blank	81	92
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-32977-1	H-1 (0-0.5')	91	77
880-32977-1 MS	H-1 (0-0.5')	108	82
880-32977-1 MSD	H-1 (0-0.5')	92	71
880-32977-2	H-2 (0-0.5')	97	85
880-32977-3	H-3 (0-0.5')	96	84
880-32977-4	H-4 (0-0.5')	95	82
880-32977-5	H-5 (0-0.5')	99	87
880-32977-6	H-6 (0-0.5')	99	85
880-32977-7	H-7 (0-0.5')	95	84
LCS 880-62059/2-A	Lab Control Sample	84	87
LCSD 880-62059/3-A	Lab Control Sample Dup	91	87
MB 880-62059/1-A	Method Blank	133 S1+	120
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-32977-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-62002/5-A

Matrix: Solid

Analysis Batch: 61968

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 62002

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		09/07/23 15:49	09/07/23 18:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/07/23 15:49	09/07/23 18:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/07/23 15:49	09/07/23 18:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/07/23 15:49	09/07/23 18:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/07/23 15:49	09/07/23 18:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/07/23 15:49	09/07/23 18:40	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	81		70 - 130	09/07/23 15:49	09/07/23 18:40	1
1,4-Difluorobenzene (Surr)	92		70 - 130	09/07/23 15:49	09/07/23 18:40	1

Lab Sample ID: LCS 880-62002/1-A

Matrix: Solid

Analysis Batch: 61968

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 62002

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08595		mg/Kg		86	70 - 130
Toluene	0.100	0.08295		mg/Kg		83	70 - 130
Ethylbenzene	0.100	0.08107		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	0.200	0.1624		mg/Kg		81	70 - 130
o-Xylene	0.100	0.07819		mg/Kg		78	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	88		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-62002/2-A

Matrix: Solid

Analysis Batch: 61968

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 62002

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Benzene	0.100	0.1137		mg/Kg		114	70 - 130	28	35
Toluene	0.100	0.1093		mg/Kg		109	70 - 130	27	35
Ethylbenzene	0.100	0.1087		mg/Kg		109	70 - 130	29	35
m-Xylene & p-Xylene	0.200	0.2186		mg/Kg		109	70 - 130	29	35
o-Xylene	0.100	0.1045		mg/Kg		104	70 - 130	29	35

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-32978-A-1-A MS

Matrix: Solid

Analysis Batch: 61968

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 62002

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1	0.100	0.08687		mg/Kg		86	70 - 130
Toluene	<0.00201	U F1	0.100	0.08240		mg/Kg		82	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-32977-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-32978-A-1-A MS
Matrix: Solid
Analysis Batch: 61968

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 62002

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U F1	0.100	0.07979		mg/Kg		80	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.1569		mg/Kg		78	70 - 130
o-Xylene	<0.00201	U F1	0.100	0.07419		mg/Kg		74	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	91		70 - 130						
1,4-Difluorobenzene (Surr)	103		70 - 130						

Lab Sample ID: 880-32978-A-1-B MSD
Matrix: Solid
Analysis Batch: 61968

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 62002

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1	0.101	0.06854	F1	mg/Kg		67	70 - 130	24	35
Toluene	<0.00201	U F1	0.101	0.06166	F1	mg/Kg		61	70 - 130	29	35
Ethylbenzene	<0.00201	U F1	0.101	0.05995	F1	mg/Kg		59	70 - 130	28	35
m-Xylene & p-Xylene	<0.00402	U F1	0.202	0.1171	F1	mg/Kg		58	70 - 130	29	35
o-Xylene	<0.00201	U F1	0.101	0.05482	F1	mg/Kg		54	70 - 130	30	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	86		70 - 130								
1,4-Difluorobenzene (Surr)	101		70 - 130								

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

Lab Sample ID: MB 880-62059/1-A
Matrix: Solid
Analysis Batch: 62025

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 62059

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/08/23 08:00	09/08/23 09:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/08/23 08:00	09/08/23 09:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/08/23 08:00	09/08/23 09:08	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
1-Chlorooctane	133	S1+	70 - 130						
o-Terphenyl	120		70 - 130						

Lab Sample ID: LCS 880-62059/2-A
Matrix: Solid
Analysis Batch: 62025

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 62059

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	949.2		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	1000	689.8	*-	mg/Kg		69	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-32977-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-62059/2-A

Matrix: Solid

Analysis Batch: 62025

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 62059

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	84		70 - 130
o-Terphenyl	87		70 - 130

Lab Sample ID: LCSD 880-62059/3-A

Matrix: Solid

Analysis Batch: 62025

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 62059

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	977.9		mg/Kg		98	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	695.3		mg/Kg		70	70 - 130	1	20
Surrogate		LCSD	LCSD								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	91		70 - 130								
o-Terphenyl	87		70 - 130								

Lab Sample ID: 880-32977-1 MS

Matrix: Solid

Analysis Batch: 62025

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

Prep Type: Total/NA

Prep Batch: 62059

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	997	969.5		mg/Kg		92	70 - 130		
Diesel Range Organics (Over C10-C28)	80.8	*-	997	1092		mg/Kg		101	70 - 130		
Surrogate		MS	MS								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	108		70 - 130								
o-Terphenyl	82		70 - 130								

Lab Sample ID: 880-32977-1 MSD

Matrix: Solid

Analysis Batch: 62025

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

Prep Type: Total/NA

Prep Batch: 62059

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	997	957.7		mg/Kg		91	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	80.8	*-	997	937.7		mg/Kg		86	70 - 130	15	20
Surrogate		MSD	MSD								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	92		70 - 130								
o-Terphenyl	71		70 - 130								

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-32977-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-62031/1-A

Matrix: Solid

Analysis Batch: 62278

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/12/23 14:36	1

Lab Sample ID: LCS 880-62031/2-A

Matrix: Solid

Analysis Batch: 62278

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	246.6		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-62031/3-A

Matrix: Solid

Analysis Batch: 62278

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	247.0		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-32977-7 MS

Matrix: Solid

Analysis Batch: 62278

Client Sample ID: H-7 (0-0.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	32.3		250	282.6		mg/Kg		100	90 - 110

Lab Sample ID: 880-32977-7 MSD

Matrix: Solid

Analysis Batch: 62278

Client Sample ID: H-7 (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	32.3		250	282.6		mg/Kg		100	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-32977-1
SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 61968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32977-1	H-1 (0-0.5')	Total/NA	Solid	8021B	62002
880-32977-2	H-2 (0-0.5')	Total/NA	Solid	8021B	62002
880-32977-3	H-3 (0-0.5')	Total/NA	Solid	8021B	62002
880-32977-4	H-4 (0-0.5')	Total/NA	Solid	8021B	62002
880-32977-5	H-5 (0-0.5')	Total/NA	Solid	8021B	62002
880-32977-6	H-6 (0-0.5')	Total/NA	Solid	8021B	62002
880-32977-7	H-7 (0-0.5')	Total/NA	Solid	8021B	62002
MB 880-62002/5-A	Method Blank	Total/NA	Solid	8021B	62002
LCS 880-62002/1-A	Lab Control Sample	Total/NA	Solid	8021B	62002
LCSD 880-62002/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	62002
880-32978-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	62002
880-32978-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	62002

Prep Batch: 62002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32977-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-32977-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-32977-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-32977-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-32977-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-32977-6	H-6 (0-0.5')	Total/NA	Solid	5035	
880-32977-7	H-7 (0-0.5')	Total/NA	Solid	5035	
MB 880-62002/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-62002/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-62002/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-32978-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-32978-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 62044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32977-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-32977-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-32977-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-32977-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-32977-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-32977-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-32977-7	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 62025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32977-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	62059
880-32977-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	62059
880-32977-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	62059
880-32977-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	62059
880-32977-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	62059
880-32977-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	62059
880-32977-7	H-7 (0-0.5')	Total/NA	Solid	8015B NM	62059
MB 880-62059/1-A	Method Blank	Total/NA	Solid	8015B NM	62059
LCS 880-62059/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	62059

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-32977-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 62025 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-62059/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	62059
880-32977-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015B NM	62059
880-32977-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015B NM	62059

Prep Batch: 62059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32977-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-32977-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-32977-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-32977-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-32977-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-32977-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-32977-7	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-62059/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-62059/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-62059/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-32977-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-32977-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 62140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32977-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-32977-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-32977-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-32977-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-32977-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-32977-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-32977-7	H-7 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 62031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32977-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-32977-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-32977-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-32977-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-32977-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-32977-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-32977-7	H-7 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-62031/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-62031/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-62031/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-32977-7 MS	H-7 (0-0.5')	Soluble	Solid	DI Leach	
880-32977-7 MSD	H-7 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 62278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32977-1	H-1 (0-0.5')	Soluble	Solid	300.0	62031
880-32977-2	H-2 (0-0.5')	Soluble	Solid	300.0	62031
880-32977-3	H-3 (0-0.5')	Soluble	Solid	300.0	62031

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-32977-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 62278 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32977-4	H-4 (0-0.5')	Soluble	Solid	300.0	62031
880-32977-5	H-5 (0-0.5')	Soluble	Solid	300.0	62031
880-32977-6	H-6 (0-0.5')	Soluble	Solid	300.0	62031
880-32977-7	H-7 (0-0.5')	Soluble	Solid	300.0	62031
MB 880-62031/1-A	Method Blank	Soluble	Solid	300.0	62031
LCS 880-62031/2-A	Lab Control Sample	Soluble	Solid	300.0	62031
LCSD 880-62031/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	62031
880-32977-7 MS	H-7 (0-0.5')	Soluble	Solid	300.0	62031
880-32977-7 MSD	H-7 (0-0.5')	Soluble	Solid	300.0	62031

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-32977-1
SDG: Eddy County, New Mexico

Client Sample ID: H-1 (0-0.5')
Date Collected: 09/05/23 00:00
Date Received: 09/07/23 14:26

Lab Sample ID: 880-32977-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	62002	09/07/23 15:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	61968	09/07/23 20:46	SM	EET MID
Total/NA	Analysis	Total BTEX		1			62044	09/08/23 08:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			62140	09/11/23 09:54	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	62059	09/08/23 10:06	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62025	09/08/23 11:42	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	62031	09/08/23 08:03	CH	EET MID
Soluble	Analysis	300.0		1			62278	09/12/23 15:34	CH	EET MID

Client Sample ID: H-2 (0-0.5')
Date Collected: 09/05/23 00:00
Date Received: 09/07/23 14:26

Lab Sample ID: 880-32977-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	62002	09/07/23 15:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	61968	09/07/23 21:07	SM	EET MID
Total/NA	Analysis	Total BTEX		1			62044	09/08/23 08:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			62140	09/11/23 09:54	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	62059	09/08/23 10:06	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62025	09/08/23 12:48	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	62031	09/08/23 08:03	CH	EET MID
Soluble	Analysis	300.0		1			62278	09/12/23 15:53	CH	EET MID

Client Sample ID: H-3 (0-0.5')
Date Collected: 09/05/23 00:00
Date Received: 09/07/23 14:26

Lab Sample ID: 880-32977-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	62002	09/07/23 15:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	61968	09/07/23 21:27	SM	EET MID
Total/NA	Analysis	Total BTEX		1			62044	09/08/23 08:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			62140	09/11/23 09:54	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	62059	09/08/23 10:06	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62025	09/08/23 13:11	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	62031	09/08/23 08:03	CH	EET MID
Soluble	Analysis	300.0		1			62278	09/12/23 16:00	CH	EET MID

Client Sample ID: H-4 (0-0.5')
Date Collected: 09/05/23 00:00
Date Received: 09/07/23 14:26

Lab Sample ID: 880-32977-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	62002	09/07/23 15:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	61968	09/07/23 21:48	SM	EET MID
Total/NA	Analysis	Total BTEX		1			62044	09/08/23 08:59	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-32977-1
SDG: Eddy County, New Mexico

Client Sample ID: H-4 (0-0.5')
Date Collected: 09/05/23 00:00
Date Received: 09/07/23 14:26

Lab Sample ID: 880-32977-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			62140	09/11/23 09:54	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	62059	09/08/23 10:06	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62025	09/08/23 13:37	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	62031	09/08/23 08:03	CH	EET MID
Soluble	Analysis	300.0		1			62278	09/12/23 16:06	CH	EET MID

Client Sample ID: H-5 (0-0.5')
Date Collected: 09/05/23 00:00
Date Received: 09/07/23 14:26

Lab Sample ID: 880-32977-5
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	62002	09/07/23 15:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	61968	09/07/23 22:09	SM	EET MID
Total/NA	Analysis	Total BTEX		1			62044	09/08/23 08:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			62140	09/11/23 09:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	62059	09/08/23 10:06	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62025	09/08/23 13:59	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	62031	09/08/23 08:03	CH	EET MID
Soluble	Analysis	300.0		1			62278	09/12/23 16:12	CH	EET MID

Client Sample ID: H-6 (0-0.5')
Date Collected: 09/05/23 00:00
Date Received: 09/07/23 14:26

Lab Sample ID: 880-32977-6
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	62002	09/07/23 15:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	61968	09/07/23 23:32	SM	EET MID
Total/NA	Analysis	Total BTEX		1			62044	09/08/23 08:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			62140	09/11/23 09:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	62059	09/08/23 10:06	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62025	09/08/23 14:21	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	62031	09/08/23 08:03	CH	EET MID
Soluble	Analysis	300.0		1			62278	09/12/23 16:19	CH	EET MID

Client Sample ID: H-7 (0-0.5')
Date Collected: 09/05/23 00:00
Date Received: 09/07/23 14:26

Lab Sample ID: 880-32977-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	62002	09/07/23 15:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	61968	09/07/23 23:53	SM	EET MID
Total/NA	Analysis	Total BTEX		1			62044	09/08/23 08:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			62140	09/11/23 09:54	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	62059	09/08/23 10:06	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	62025	09/08/23 14:43	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-32977-1
SDG: Eddy County, New Mexico

Client Sample ID: H-7 (0-0.5')
Date Collected: 09/05/23 00:00
Date Received: 09/07/23 14:26

Lab Sample ID: 880-32977-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	62031	09/08/23 08:03	CH	EET MID
Soluble	Analysis	300.0		1			62278	09/12/23 16:25	CH	EET MID

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

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-32977-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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

Method Summary

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-32977-1
SDG: Eddy County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-32977-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-32977-1	H-1 (0-0.5')	Solid	09/05/23 00:00	09/07/23 14:26
880-32977-2	H-2 (0-0.5')	Solid	09/05/23 00:00	09/07/23 14:26
880-32977-3	H-3 (0-0.5')	Solid	09/05/23 00:00	09/07/23 14:26
880-32977-4	H-4 (0-0.5')	Solid	09/05/23 00:00	09/07/23 14:26
880-32977-5	H-5 (0-0.5')	Solid	09/05/23 00:00	09/07/23 14:26
880-32977-6	H-6 (0-0.5')	Solid	09/05/23 00:00	09/07/23 14:26
880-32977-7	H-7 (0-0.5')	Solid	09/05/23 00:00	09/07/23 14:26

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Crail of Custody

Work Order No: 32911

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

Program: UST/PST ☐ PRP ☐ Rowfields ☐ JRC ☐ Pertund ☐	
State of Project: Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables	EDD ☐ ADAPT ☐ Other

Project Name		Turn Around		Parameters		ANALYSIS REQUEST												Preservative Codes	
Project Number	SRO State Com 53H (04 20 23)	☐ Routine	☒ Rush	72 Hrs														None NO	DI Water H ₂ O
Project Location	Eddy County, New Mexico	Due Date																Cool Cool	MeOH Me
Sampler's Name	JR/JM																	HCL, HC	HNO ₃ HN
PO #																		H ₂ SO ₄ H ₂	NaOH Na
SAMPLE RECEIPT		Temp Blank	Yes (No)	Wet Ice	Yes (No)													H ₃ PO ₄ HP	
Received Intact	Yes (No)	Thermometer ID																NaHSO ₄ NABIS	
Cooler Custody Seals	Yes (No)	Correction Factor																Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals	Yes (No)	Temperature Reading																Zn Acetate+NaOH Zn	
Total Containers		Corrected Temperature																NaOH+Ascorbic Acid SAPC	
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments	
H-1 (0-0.5')		9/5/2023		X		G	1	X	X	X									
H-2 (0-0.5')		9/5/2023		X		G	1	X	X	X									
H-3 (0-0.5')		9/5/2023		X		G	1	X	X	X									
H-4 (0-0.5')		9/5/2023		X		G	1	X	X	X									
H-5 (0-0.5')		9/5/2023		X		G	1	X	X	X									
H-6 (0-0.5')		9/5/2023		X		G	1	X	X	X									
H-7 (0-0.5')		9/5/2023		X		G	1	X	X	X									

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	9-7-23 1230		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-32977-1

SDG Number: Eddy County, New Mexico

Login Number: 32977

List Number: 1

List Source: Eurofins Midland

Creator: Rodriguez, Leticia

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/3/2023 10:59:35 AM

JOB DESCRIPTION

SRO State Com 53H (04.20.23)
SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-33783-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
10/3/2023 10:59:35 AM

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

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Laboratory Job ID: 880-33783-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	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)

Definitions/Glossary

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

- 1
- 2
- 3
- 4
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Case Narrative

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Job ID: 880-33783-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-33783-1**

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

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

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

Receipt

The samples were received on 9/28/2023 2:36 PM. 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 -6.9°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: T-1 (0-1') (880-33783-1), T-1 (1.5') (880-33783-2), T-1 (2') (880-33783-3), T-1 (3') (880-33783-4), T-1 (4') (880-33783-5), T-1 (5') (880-33783-6), T-2 (0-1') (880-33783-7), T-2 (1.5') (880-33783-8), T-2 (2') (880-33783-9), T-2 (3') (880-33783-10), T-2 (4') (880-33783-11), T-3 (0-1') (880-33783-12), T-3 (1.5') (880-33783-13), T-3 (2') (880-33783-14), T-3 (3') (880-33783-15), T-3 (4') (880-33783-16), T-4 (0-1') (880-33783-17), T-4 (1.5') (880-33783-18), T-4 (2') (880-33783-19), T-4 (3') (880-33783-20), T-4 (4') (880-33783-21), T-5 (0-1') (880-33783-22), T-5 (1.5') (880-33783-23), T-5 (2') (880-33783-24), T-5 (3') (880-33783-25), T-5 (4') (880-33783-26), T-6 (0-1') (880-33783-27), T-6 (1.5') (880-33783-28), T-6 (2') (880-33783-29), T-6 (3') (880-33783-30), T-6 (4') (880-33783-31), T-7 (0-1') (880-33783-32), T-7 (1.5') (880-33783-33), T-7 (2') (880-33783-34), T-7 (3') (880-33783-35) and T-7 (4') (880-33783-36).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-4 (4') (880-33783-21), T-5 (0-1') (880-33783-22), T-5 (1.5') (880-33783-23), T-6 (4') (880-33783-31), T-7 (1.5') (880-33783-33), T-7 (2') (880-33783-34), T-7 (3') (880-33783-35) and T-7 (4') (880-33783-36). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-63561 and analytical batch 880-63582 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-63582 recovered above the upper control limit for Benzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-1 (0-1') (880-33783-1), T-1 (1.5') (880-33783-2) and T-3 (0-1') (880-33783-12). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-63670 and analytical batch 880-63715 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (880-33783-A-1-B MS) and (880-33783-A-1-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-63582 recovered below the lower control limit for Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. An acceptable CCV was ran within the 12 hour window, therefore the data has been

Case Narrative

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Job ID: 880-33783-1 (Continued)**Laboratory: Eurofins Midland (Continued)**

qualified and reported. The associated sample is impacted: (CCV 880-63582/114).

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-63585 and analytical batch 880-63577 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-1 (0-1') (880-33783-1), T-1 (1.5') (880-33783-2), T-1 (2') (880-33783-3), T-1 (3') (880-33783-4), T-1 (4') (880-33783-5), T-1 (5') (880-33783-6), T-2 (0-1') (880-33783-7), T-2 (1.5') (880-33783-8), T-2 (2') (880-33783-9), T-2 (3') (880-33783-10), T-2 (4') (880-33783-11), T-3 (0-1') (880-33783-12), T-3 (1.5') (880-33783-13), T-3 (2') (880-33783-14), T-3 (3') (880-33783-15), T-3 (4') (880-33783-16), (880-33781-A-25-C), (880-33781-A-25-D MS) and (880-33781-A-25-E MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-63587 and analytical batch 880-63579 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-4 (4') (880-33783-21) and T-5 (0-1') (880-33783-22). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-5 (3') (880-33783-25), T-5 (4') (880-33783-26), T-6 (0-1') (880-33783-27) and T-6 (4') (880-33783-31). 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: (CCV 880-63579/58). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-63579 recovered below the lower control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-63579/47).

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-63637 and analytical batch 880-63662 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 300_ORGFM_28D: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with preparation batch 880-63637 and analytical batch 880-63662 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Chloride in the MS/MSD was above the instrument calibration range. The data have been reported and qualified.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-63548 and 880-63548 and analytical batch 880-63757 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (0-1')
Date Collected: 09/27/23 00:00
Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-1
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1	0.00199		mg/Kg		09/28/23 17:40	10/01/23 07:11	1
Toluene	0.0332	F1	0.00199		mg/Kg		09/28/23 17:40	10/01/23 07:11	1
Ethylbenzene	0.0302	F1	0.00199		mg/Kg		09/28/23 17:40	10/01/23 07:11	1
m-Xylene & p-Xylene	0.198	F1	0.00398		mg/Kg		09/28/23 17:40	10/01/23 07:11	1
o-Xylene	0.134	F1	0.00199		mg/Kg		09/28/23 17:40	10/01/23 07:11	1
Xylenes, Total	0.332	F1	0.00398		mg/Kg		09/28/23 17:40	10/01/23 07:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130				09/28/23 17:40	10/01/23 07:11	1
1,4-Difluorobenzene (Surr)	109		70 - 130				09/28/23 17:40	10/01/23 07:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.395		0.00398		mg/Kg			10/01/23 07:11	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1880		49.9		mg/Kg			09/30/23 03:52	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	62.0		49.9		mg/Kg		09/29/23 08:52	09/30/23 03:52	1
Diesel Range Organics (Over C10-C28)	1820		49.9		mg/Kg		09/29/23 08:52	09/30/23 03:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/29/23 08:52	09/30/23 03:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	41	S1-	70 - 130				09/29/23 08:52	09/30/23 03:52	1
o-Terphenyl	21	S1-	70 - 130				09/29/23 08:52	09/30/23 03:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	115		4.95		mg/Kg			10/02/23 10:09	1

Client Sample ID: T-1 (1.5')
Date Collected: 09/27/23 00:00
Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-2
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00536		0.00200		mg/Kg		09/28/23 17:40	10/01/23 07:32	1
Toluene	0.0595		0.00200		mg/Kg		09/28/23 17:40	10/01/23 07:32	1
Ethylbenzene	0.101		0.00200		mg/Kg		09/28/23 17:40	10/01/23 07:32	1
m-Xylene & p-Xylene	0.557		0.00399		mg/Kg		09/28/23 17:40	10/01/23 07:32	1
o-Xylene	7.78		0.0398		mg/Kg		09/29/23 16:40	10/02/23 14:52	20
Xylenes, Total	9.71		0.0795		mg/Kg		09/29/23 16:40	10/02/23 14:52	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	353	S1+	70 - 130				09/28/23 17:40	10/01/23 07:32	1
1,4-Difluorobenzene (Surr)	102		70 - 130				09/28/23 17:40	10/01/23 07:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-33783-2

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	8.50		0.00399		mg/Kg			10/02/23 14:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	8390		49.6		mg/Kg			09/30/23 04:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	2740		49.6		mg/Kg		09/29/23 08:52	09/30/23 04:57	1
Diesel Range Organics (Over C10-C28)	5650		49.6		mg/Kg		09/29/23 08:52	09/30/23 04:57	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		09/29/23 08:52	09/30/23 04:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				09/29/23 08:52	09/30/23 04:57	1
o-Terphenyl	67	S1-	70 - 130				09/29/23 08:52	09/30/23 04:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.7		4.99		mg/Kg			10/02/23 10:15	1

Client Sample ID: T-1 (2')

Lab Sample ID: 880-33783-3

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/28/23 17:40	10/01/23 07:52	1
Toluene	0.00844		0.00201		mg/Kg		09/28/23 17:40	10/01/23 07:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/28/23 17:40	10/01/23 07:52	1
m-Xylene & p-Xylene	0.00986		0.00402		mg/Kg		09/28/23 17:40	10/01/23 07:52	1
o-Xylene	0.0229		0.00201		mg/Kg		09/28/23 17:40	10/01/23 07:52	1
Xylenes, Total	0.0328		0.00402		mg/Kg		09/28/23 17:40	10/01/23 07:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				09/28/23 17:40	10/01/23 07:52	1
1,4-Difluorobenzene (Surr)	102		70 - 130				09/28/23 17:40	10/01/23 07:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0412		0.00402		mg/Kg			10/01/23 07:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	298		50.0		mg/Kg			09/29/23 23:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	95.6		50.0		mg/Kg		09/29/23 08:52	09/29/23 23:03	1
Diesel Range Organics (Over C10-C28)	202		50.0		mg/Kg		09/29/23 08:52	09/29/23 23:03	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (2')

Lab Sample ID: 880-33783-3

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/29/23 08:52	09/29/23 23:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	2	S1-	70 - 130				09/29/23 08:52	09/29/23 23:03	1
o-Terphenyl	3	S1-	70 - 130				09/29/23 08:52	09/29/23 23:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.6		5.02		mg/Kg			10/02/23 10:32	1

Client Sample ID: T-1 (3')

Lab Sample ID: 880-33783-4

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:40	10/01/23 08:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:40	10/01/23 08:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:40	10/01/23 08:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/28/23 17:40	10/01/23 08:13	1
o-Xylene	0.0186		0.00199		mg/Kg		09/28/23 17:40	10/01/23 08:13	1
Xylenes, Total	0.0186		0.00398		mg/Kg		09/28/23 17:40	10/01/23 08:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				09/28/23 17:40	10/01/23 08:13	1
1,4-Difluorobenzene (Surr)	81		70 - 130				09/28/23 17:40	10/01/23 08:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0186		0.00398		mg/Kg			10/01/23 08:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	228		50.3		mg/Kg			09/29/23 23:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	144		50.3		mg/Kg		09/29/23 08:52	09/29/23 23:25	1
Diesel Range Organics (Over C10-C28)	84.1		50.3		mg/Kg		09/29/23 08:52	09/29/23 23:25	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		09/29/23 08:52	09/29/23 23:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	1	S1-	70 - 130				09/29/23 08:52	09/29/23 23:25	1
o-Terphenyl	1	S1-	70 - 130				09/29/23 08:52	09/29/23 23:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	123		4.97		mg/Kg			10/02/23 10:38	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (4')
Date Collected: 09/27/23 00:00
Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-5
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:40	10/01/23 08:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:40	10/01/23 08:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:40	10/01/23 08:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/28/23 17:40	10/01/23 08:33	1
o-Xylene	0.00230		0.00199		mg/Kg		09/28/23 17:40	10/01/23 08:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/28/23 17:40	10/01/23 08:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				09/28/23 17:40	10/01/23 08:33	1
1,4-Difluorobenzene (Surr)	91		70 - 130				09/28/23 17:40	10/01/23 08:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/01/23 08:33	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	306		50.4		mg/Kg			09/29/23 23:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	103		50.4		mg/Kg		09/29/23 08:52	09/29/23 23:48	1
Diesel Range Organics (Over C10-C28)	203		50.4		mg/Kg		09/29/23 08:52	09/29/23 23:48	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		09/29/23 08:52	09/29/23 23:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	1	S1-	70 - 130				09/29/23 08:52	09/29/23 23:48	1
o-Terphenyl	3	S1-	70 - 130				09/29/23 08:52	09/29/23 23:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.2		4.99		mg/Kg			10/02/23 10:56	1

Client Sample ID: T-1 (5')
Date Collected: 09/27/23 00:00
Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-6
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:40	10/01/23 08:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:40	10/01/23 08:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:40	10/01/23 08:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/28/23 17:40	10/01/23 08:54	1
o-Xylene	0.00895		0.00200		mg/Kg		09/28/23 17:40	10/01/23 08:54	1
Xylenes, Total	0.00895		0.00399		mg/Kg		09/28/23 17:40	10/01/23 08:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				09/28/23 17:40	10/01/23 08:54	1
1,4-Difluorobenzene (Surr)	79		70 - 130				09/28/23 17:40	10/01/23 08:54	1

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (5')
Date Collected: 09/27/23 00:00
Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-6
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	0.00895		0.00399		mg/Kg			10/01/23 08:54	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	133		50.1		mg/Kg			09/30/23 00:10	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	66.4		50.1		mg/Kg		09/29/23 08:52	09/30/23 00:10	1	
Diesel Range Organics (Over C10-C28)	66.1		50.1		mg/Kg		09/29/23 08:52	09/30/23 00:10	1	
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		09/29/23 08:52	09/30/23 00:10	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	1	S1-	70 - 130				09/29/23 08:52	09/30/23 00:10	1	
o-Terphenyl	0.7	S1-	70 - 130				09/29/23 08:52	09/30/23 00:10	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	96.2		5.03		mg/Kg			10/02/23 11:02	1	

Client Sample ID: T-2 (0-1')
Date Collected: 09/27/23 00:00
Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-7
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:40	10/01/23 09:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:40	10/01/23 09:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:40	10/01/23 09:14	1
m-Xylene & p-Xylene	0.0305		0.00401		mg/Kg		09/28/23 17:40	10/01/23 09:14	1
o-Xylene	0.0240		0.00200		mg/Kg		09/28/23 17:40	10/01/23 09:14	1
Xylenes, Total	0.0545		0.00401		mg/Kg		09/28/23 17:40	10/01/23 09:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				09/28/23 17:40	10/01/23 09:14	1
1,4-Difluorobenzene (Surr)	81		70 - 130				09/28/23 17:40	10/01/23 09:14	1
Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0545		0.00401		mg/Kg			10/01/23 09:14	1
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	380		50.0		mg/Kg			09/30/23 00:32	1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	59.2		50.0		mg/Kg		09/29/23 08:52	09/30/23 00:32	1
Diesel Range Organics (Over C10-C28)	321		50.0		mg/Kg		09/29/23 08:52	09/30/23 00:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (0-1')

Lab Sample ID: 880-33783-7

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/29/23 08:52	09/30/23 00:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	1	S1-	70 - 130				09/29/23 08:52	09/30/23 00:32	1
o-Terphenyl	4	S1-	70 - 130				09/29/23 08:52	09/30/23 00:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.0		4.99		mg/Kg			10/02/23 11:07	1

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-33783-8

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:40	10/01/23 09:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:40	10/01/23 09:35	1
Ethylbenzene	0.00298		0.00199		mg/Kg		09/28/23 17:40	10/01/23 09:35	1
m-Xylene & p-Xylene	0.0296		0.00398		mg/Kg		09/28/23 17:40	10/01/23 09:35	1
o-Xylene	0.0178		0.00199		mg/Kg		09/28/23 17:40	10/01/23 09:35	1
Xylenes, Total	0.0474		0.00398		mg/Kg		09/28/23 17:40	10/01/23 09:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				09/28/23 17:40	10/01/23 09:35	1
1,4-Difluorobenzene (Surr)	88		70 - 130				09/28/23 17:40	10/01/23 09:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0504		0.00398		mg/Kg			10/01/23 09:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	245		49.8		mg/Kg			09/30/23 00:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	65.2		49.8		mg/Kg		09/29/23 08:52	09/30/23 00:55	1
Diesel Range Organics (Over C10-C28)	180		49.8		mg/Kg		09/29/23 08:52	09/30/23 00:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/29/23 08:52	09/30/23 00:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	2	S1-	70 - 130				09/29/23 08:52	09/30/23 00:55	1
o-Terphenyl	3	S1-	70 - 130				09/29/23 08:52	09/30/23 00:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	104		4.98		mg/Kg			10/02/23 11:13	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (2')
Date Collected: 09/27/23 00:00
Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-9
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:40	10/01/23 09:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:40	10/01/23 09:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:40	10/01/23 09:55	1
m-Xylene & p-Xylene	0.0107		0.00398		mg/Kg		09/28/23 17:40	10/01/23 09:55	1
o-Xylene	0.00994		0.00199		mg/Kg		09/28/23 17:40	10/01/23 09:55	1
Xylenes, Total	0.0206		0.00398		mg/Kg		09/28/23 17:40	10/01/23 09:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				09/28/23 17:40	10/01/23 09:55	1
1,4-Difluorobenzene (Surr)	83		70 - 130				09/28/23 17:40	10/01/23 09:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0206		0.00398		mg/Kg			10/01/23 09:55	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	170		49.6		mg/Kg			09/30/23 01:39	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	97.0		49.6		mg/Kg		09/29/23 08:52	09/30/23 01:39	1
Diesel Range Organics (Over C10-C28)	72.9		49.6		mg/Kg		09/29/23 08:52	09/30/23 01:39	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		09/29/23 08:52	09/30/23 01:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	1	S1-	70 - 130				09/29/23 08:52	09/30/23 01:39	1
o-Terphenyl	0.8	S1-	70 - 130				09/29/23 08:52	09/30/23 01:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.0		4.97		mg/Kg			10/02/23 11:19	1

Client Sample ID: T-2 (3')
Date Collected: 09/27/23 00:00
Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-10
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:40	10/01/23 10:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:40	10/01/23 10:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:40	10/01/23 10:16	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/28/23 17:40	10/01/23 10:16	1
o-Xylene	0.00271		0.00200		mg/Kg		09/28/23 17:40	10/01/23 10:16	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/28/23 17:40	10/01/23 10:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				09/28/23 17:40	10/01/23 10:16	1
1,4-Difluorobenzene (Surr)	87		70 - 130				09/28/23 17:40	10/01/23 10:16	1

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (3')

Lab Sample ID: 880-33783-10

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/01/23 10:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	202		50.3		mg/Kg			09/30/23 02:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	93.7		50.3		mg/Kg		09/29/23 08:52	09/30/23 02:01	1
Diesel Range Organics (Over C10-C28)	108		50.3		mg/Kg		09/29/23 08:52	09/30/23 02:01	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		09/29/23 08:52	09/30/23 02:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	1	S1-	70 - 130				09/29/23 08:52	09/30/23 02:01	1
o-Terphenyl	1	S1-	70 - 130				09/29/23 08:52	09/30/23 02:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.2		4.96		mg/Kg			10/02/23 11:25	1

Client Sample ID: T-2 (4')

Lab Sample ID: 880-33783-11

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/28/23 17:40	10/01/23 11:40	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/28/23 17:40	10/01/23 11:40	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/28/23 17:40	10/01/23 11:40	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/28/23 17:40	10/01/23 11:40	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/28/23 17:40	10/01/23 11:40	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/28/23 17:40	10/01/23 11:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				09/28/23 17:40	10/01/23 11:40	1
1,4-Difluorobenzene (Surr)	92		70 - 130				09/28/23 17:40	10/01/23 11:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/01/23 11:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	188		50.5		mg/Kg			09/30/23 04:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	97.2		50.5		mg/Kg		09/29/23 08:52	09/30/23 04:36	1
Diesel Range Organics (Over C10-C28)	91.1		50.5		mg/Kg		09/29/23 08:52	09/30/23 04:36	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (4')

Lab Sample ID: 880-33783-11

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/29/23 08:52	09/30/23 04:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	1	S1-	70 - 130				09/29/23 08:52	09/30/23 04:36	1
o-Terphenyl	0.7	S1-	70 - 130				09/29/23 08:52	09/30/23 04:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	108		4.95		mg/Kg			10/02/23 11:31	1

Client Sample ID: T-3 (0-1')

Lab Sample ID: 880-33783-12

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0561		0.00200		mg/Kg		09/28/23 17:40	10/01/23 12:01	1
Toluene	1.62		0.0499		mg/Kg		09/29/23 16:40	10/02/23 15:12	25
Ethylbenzene	0.176		0.00200		mg/Kg		09/28/23 17:40	10/01/23 12:01	1
m-Xylene & p-Xylene	0.595		0.00401		mg/Kg		09/28/23 17:40	10/01/23 12:01	1
o-Xylene	0.243		0.00200		mg/Kg		09/28/23 17:40	10/01/23 12:01	1
Xylenes, Total	0.838		0.00401		mg/Kg		09/28/23 17:40	10/01/23 12:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	230	S1+	70 - 130				09/28/23 17:40	10/01/23 12:01	1
1,4-Difluorobenzene (Surr)	102		70 - 130				09/28/23 17:40	10/01/23 12:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	2.69		0.00401		mg/Kg			10/02/23 15:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3870		49.9		mg/Kg			09/30/23 04:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	161		49.9		mg/Kg		09/29/23 08:52	09/30/23 04:14	1
Diesel Range Organics (Over C10-C28)	3710		49.9		mg/Kg		09/29/23 08:52	09/30/23 04:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/29/23 08:52	09/30/23 04:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	9	S1-	70 - 130				09/29/23 08:52	09/30/23 04:14	1
o-Terphenyl	48	S1-	70 - 130				09/29/23 08:52	09/30/23 04:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	164	F1	4.96		mg/Kg			10/02/23 09:17	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-3 (1.5')

Lab Sample ID: 880-33783-13

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:40	10/01/23 12:21	1
Toluene	0.00897		0.00199		mg/Kg		09/28/23 17:40	10/01/23 12:21	1
Ethylbenzene	0.00450		0.00199		mg/Kg		09/28/23 17:40	10/01/23 12:21	1
m-Xylene & p-Xylene	0.0216		0.00398		mg/Kg		09/28/23 17:40	10/01/23 12:21	1
o-Xylene	0.0215		0.00199		mg/Kg		09/28/23 17:40	10/01/23 12:21	1
Xylenes, Total	0.0431		0.00398		mg/Kg		09/28/23 17:40	10/01/23 12:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	09/28/23 17:40	10/01/23 12:21	1
1,4-Difluorobenzene (Surr)	99		70 - 130	09/28/23 17:40	10/01/23 12:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0566		0.00398		mg/Kg			10/01/23 12:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	464		49.7		mg/Kg			09/30/23 02:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	89.4		49.7		mg/Kg		09/29/23 08:52	09/30/23 02:23	1
Diesel Range Organics (Over C10-C28)	375		49.7		mg/Kg		09/29/23 08:52	09/30/23 02:23	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/29/23 08:52	09/30/23 02:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	3	S1-	70 - 130	09/29/23 08:52	09/30/23 02:23	1
o-Terphenyl	5	S1-	70 - 130	09/29/23 08:52	09/30/23 02:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	127		4.98		mg/Kg			10/02/23 09:37	1

Client Sample ID: T-3 (2')

Lab Sample ID: 880-33783-14

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:40	10/01/23 12:42	1
Toluene	0.00294		0.00199		mg/Kg		09/28/23 17:40	10/01/23 12:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:40	10/01/23 12:42	1
m-Xylene & p-Xylene	0.00933		0.00398		mg/Kg		09/28/23 17:40	10/01/23 12:42	1
o-Xylene	0.00718		0.00199		mg/Kg		09/28/23 17:40	10/01/23 12:42	1
Xylenes, Total	0.0165		0.00398		mg/Kg		09/28/23 17:40	10/01/23 12:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	09/28/23 17:40	10/01/23 12:42	1
1,4-Difluorobenzene (Surr)	95		70 - 130	09/28/23 17:40	10/01/23 12:42	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-3 (2')

Lab Sample ID: 880-33783-14

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0195		0.00398		mg/Kg			10/01/23 12:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	244		50.4		mg/Kg			09/30/23 02:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	145		50.4		mg/Kg		09/29/23 08:52	09/30/23 02:45	1
Diesel Range Organics (Over C10-C28)	99.2		50.4		mg/Kg		09/29/23 08:52	09/30/23 02:45	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		09/29/23 08:52	09/30/23 02:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	1	S1-	70 - 130				09/29/23 08:52	09/30/23 02:45	1
o-Terphenyl	1	S1-	70 - 130				09/29/23 08:52	09/30/23 02:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.0		4.97		mg/Kg			10/02/23 09:44	1

Client Sample ID: T-3 (3')

Lab Sample ID: 880-33783-15

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:40	10/01/23 13:03	1
Toluene	0.00466		0.00200		mg/Kg		09/28/23 17:40	10/01/23 13:03	1
Ethylbenzene	0.00711		0.00200		mg/Kg		09/28/23 17:40	10/01/23 13:03	1
m-Xylene & p-Xylene	0.0454		0.00399		mg/Kg		09/28/23 17:40	10/01/23 13:03	1
o-Xylene	0.0229		0.00200		mg/Kg		09/28/23 17:40	10/01/23 13:03	1
Xylenes, Total	0.0683		0.00399		mg/Kg		09/28/23 17:40	10/01/23 13:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				09/28/23 17:40	10/01/23 13:03	1
1,4-Difluorobenzene (Surr)	100		70 - 130				09/28/23 17:40	10/01/23 13:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0801		0.00399		mg/Kg			10/01/23 13:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	369		50.0		mg/Kg			09/30/23 03:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	93.2		50.0		mg/Kg		09/29/23 08:52	09/30/23 03:08	1
Diesel Range Organics (Over C10-C28)	276		50.0		mg/Kg		09/29/23 08:52	09/30/23 03:08	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-3 (3')

Lab Sample ID: 880-33783-15

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/29/23 08:52	09/30/23 03:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	2	S1-	70 - 130				09/29/23 08:52	09/30/23 03:08	1
o-Terphenyl	4	S1-	70 - 130				09/29/23 08:52	09/30/23 03:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		4.98		mg/Kg			10/02/23 09:51	1

Client Sample ID: T-3 (4')

Lab Sample ID: 880-33783-16

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:40	10/01/23 13:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:40	10/01/23 13:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:40	10/01/23 13:23	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/28/23 17:40	10/01/23 13:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:40	10/01/23 13:23	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/28/23 17:40	10/01/23 13:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				09/28/23 17:40	10/01/23 13:23	1
1,4-Difluorobenzene (Surr)	87		70 - 130				09/28/23 17:40	10/01/23 13:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/01/23 13:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	171		49.6		mg/Kg			09/30/23 03:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	110		49.6		mg/Kg		09/29/23 08:52	09/30/23 03:30	1
Diesel Range Organics (Over C10-C28)	61.2		49.6		mg/Kg		09/29/23 08:52	09/30/23 03:30	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		09/29/23 08:52	09/30/23 03:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	0.9	S1-	70 - 130				09/29/23 08:52	09/30/23 03:30	1
o-Terphenyl	0.6	S1-	70 - 130				09/29/23 08:52	09/30/23 03:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	115		5.03		mg/Kg			10/02/23 09:57	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-4 (0-1')

Lab Sample ID: 880-33783-17

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:40	10/01/23 13:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:40	10/01/23 13:44	1
Ethylbenzene	0.00729		0.00199		mg/Kg		09/28/23 17:40	10/01/23 13:44	1
m-Xylene & p-Xylene	0.0522		0.00398		mg/Kg		09/28/23 17:40	10/01/23 13:44	1
o-Xylene	0.0352		0.00199		mg/Kg		09/28/23 17:40	10/01/23 13:44	1
Xylenes, Total	0.0874		0.00398		mg/Kg		09/28/23 17:40	10/01/23 13:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	09/28/23 17:40	10/01/23 13:44	1
1,4-Difluorobenzene (Surr)	105		70 - 130	09/28/23 17:40	10/01/23 13:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0947		0.00398		mg/Kg			10/01/23 13:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1170		49.6		mg/Kg			09/29/23 21:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		09/29/23 08:58	09/29/23 21:57	1
Diesel Range Organics (Over C10-C28)	1120		49.6		mg/Kg		09/29/23 08:58	09/29/23 21:57	1
Oil Range Organics (Over C28-C36)	50.3		49.6		mg/Kg		09/29/23 08:58	09/29/23 21:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	09/29/23 08:58	09/29/23 21:57	1
o-Terphenyl	105		70 - 130	09/29/23 08:58	09/29/23 21:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.8		5.04		mg/Kg			10/02/23 10:17	1

Client Sample ID: T-4 (1.5')

Lab Sample ID: 880-33783-18

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:40	10/01/23 14:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:40	10/01/23 14:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:40	10/01/23 14:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/28/23 17:40	10/01/23 14:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:40	10/01/23 14:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/28/23 17:40	10/01/23 14:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	09/28/23 17:40	10/01/23 14:05	1
1,4-Difluorobenzene (Surr)	86		70 - 130	09/28/23 17:40	10/01/23 14:05	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-4 (1.5')

Lab Sample ID: 880-33783-18

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/01/23 14:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/29/23 20:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		09/29/23 08:58	09/29/23 20:51	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		09/29/23 08:58	09/29/23 20:51	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/29/23 08:58	09/29/23 20:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				09/29/23 08:58	09/29/23 20:51	1
o-Terphenyl	121		70 - 130				09/29/23 08:58	09/29/23 20:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	205		4.95		mg/Kg			10/02/23 10:24	1

Client Sample ID: T-4 (2')

Lab Sample ID: 880-33783-19

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:40	10/01/23 14:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:40	10/01/23 14:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:40	10/01/23 14:25	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/28/23 17:40	10/01/23 14:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:40	10/01/23 14:25	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/28/23 17:40	10/01/23 14:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				09/28/23 17:40	10/01/23 14:25	1
1,4-Difluorobenzene (Surr)	89		70 - 130				09/28/23 17:40	10/01/23 14:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/01/23 14:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	51.2		49.7		mg/Kg			09/29/23 22:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		09/29/23 08:58	09/29/23 22:18	1
Diesel Range Organics (Over C10-C28)	51.2		49.7		mg/Kg		09/29/23 08:58	09/29/23 22:18	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-4 (2')

Lab Sample ID: 880-33783-19

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/29/23 08:58	09/29/23 22:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				09/29/23 08:58	09/29/23 22:18	1
o-Terphenyl	112		70 - 130				09/29/23 08:58	09/29/23 22:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		4.97		mg/Kg			10/02/23 10:30	1

Client Sample ID: T-4 (3')

Lab Sample ID: 880-33783-20

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:40	10/01/23 14:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:40	10/01/23 14:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:40	10/01/23 14:46	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/28/23 17:40	10/01/23 14:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:40	10/01/23 14:46	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/28/23 17:40	10/01/23 14:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				09/28/23 17:40	10/01/23 14:46	1
1,4-Difluorobenzene (Surr)	79		70 - 130				09/28/23 17:40	10/01/23 14:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/01/23 14:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			09/29/23 22:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		09/29/23 08:58	09/29/23 22:41	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/29/23 08:58	09/29/23 22:41	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/29/23 08:58	09/29/23 22:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				09/29/23 08:58	09/29/23 22:41	1
o-Terphenyl	94		70 - 130				09/29/23 08:58	09/29/23 22:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	93.3		4.95		mg/Kg			10/02/23 10:37	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-4 (4')

Lab Sample ID: 880-33783-21

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F2 F1	0.00199		mg/Kg		09/28/23 17:43	09/29/23 23:28	1
Toluene	<0.00199	U F2 F1	0.00199		mg/Kg		09/28/23 17:43	09/29/23 23:28	1
Ethylbenzene	<0.00199	U F2 F1	0.00199		mg/Kg		09/28/23 17:43	09/29/23 23:28	1
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.00398		mg/Kg		09/28/23 17:43	09/29/23 23:28	1
o-Xylene	<0.00199	U F2 F1	0.00199		mg/Kg		09/28/23 17:43	09/29/23 23:28	1
Xylenes, Total	<0.00398	U F2 F1	0.00398		mg/Kg		09/28/23 17:43	09/29/23 23:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	66	S1-	70 - 130	09/28/23 17:43	09/29/23 23:28	1
1,4-Difluorobenzene (Surr)	104		70 - 130	09/28/23 17:43	09/29/23 23:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/29/23 23:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/29/23 23:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/29/23 08:58	09/29/23 23:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/29/23 08:58	09/29/23 23:03	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/29/23 08:58	09/29/23 23:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	9	S1-	70 - 130	09/29/23 08:58	09/29/23 23:03	1
o-Terphenyl	0.6	S1-	70 - 130	09/29/23 08:58	09/29/23 23:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	91.7		4.96		mg/Kg			10/02/23 10:44	1

Client Sample ID: T-5 (0-1')

Lab Sample ID: 880-33783-22

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:43	09/29/23 23:48	1
Toluene	0.0837		0.00200		mg/Kg		09/28/23 17:43	09/29/23 23:48	1
Ethylbenzene	0.146		0.00200		mg/Kg		09/28/23 17:43	09/29/23 23:48	1
m-Xylene & p-Xylene	0.640		0.00399		mg/Kg		09/28/23 17:43	09/29/23 23:48	1
o-Xylene	0.222		0.00200		mg/Kg		09/28/23 17:43	09/29/23 23:48	1
Xylenes, Total	0.862		0.00399		mg/Kg		09/28/23 17:43	09/29/23 23:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	282	S1+	70 - 130	09/28/23 17:43	09/29/23 23:48	1
1,4-Difluorobenzene (Surr)	97		70 - 130	09/28/23 17:43	09/29/23 23:48	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-5 (0-1')

Lab Sample ID: 880-33783-22

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1.09		0.00399		mg/Kg			09/29/23 23:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2100		49.9		mg/Kg			09/29/23 23:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/29/23 08:58	09/29/23 23:25	1
Diesel Range Organics (Over C10-C28)	1990		49.9		mg/Kg		09/29/23 08:58	09/29/23 23:25	1
Oil Range Organics (Over C28-C36)	110		49.9		mg/Kg		09/29/23 08:58	09/29/23 23:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	13	S1-	70 - 130				09/29/23 08:58	09/29/23 23:25	1
o-Terphenyl	34	S1-	70 - 130				09/29/23 08:58	09/29/23 23:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	132	F1	5.02		mg/Kg			10/02/23 10:50	1

Client Sample ID: T-5 (1.5')

Lab Sample ID: 880-33783-23

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:43	09/30/23 00:09	1
Toluene	0.0850		0.00200		mg/Kg		09/28/23 17:43	09/30/23 00:09	1
Ethylbenzene	0.272		0.00200		mg/Kg		09/28/23 17:43	09/30/23 00:09	1
m-Xylene & p-Xylene	1.11		0.199		mg/Kg		09/29/23 16:40	10/02/23 15:33	50
o-Xylene	1.11		0.0996		mg/Kg		09/29/23 16:40	10/02/23 15:33	50
Xylenes, Total	2.22		0.199		mg/Kg		09/29/23 16:40	10/02/23 15:33	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	178	S1+	70 - 130				09/28/23 17:43	09/30/23 00:09	1
1,4-Difluorobenzene (Surr)	96		70 - 130				09/28/23 17:43	09/30/23 00:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	2.58		0.199		mg/Kg			10/02/23 15:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2400		49.6		mg/Kg			09/29/23 23:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	382		49.6		mg/Kg		09/29/23 08:58	09/29/23 23:48	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-5 (1.5')

Lab Sample ID: 880-33783-23

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	1930		49.6		mg/Kg		09/29/23 08:58	09/29/23 23:48	1
Oil Range Organics (Over C28-C36)	90.7		49.6		mg/Kg		09/29/23 08:58	09/29/23 23:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				09/29/23 08:58	09/29/23 23:48	1
o-Terphenyl	72		70 - 130				09/29/23 08:58	09/29/23 23:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	108		4.99		mg/Kg			10/02/23 11:10	1

Client Sample ID: T-5 (2')

Lab Sample ID: 880-33783-24

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:43	09/30/23 00:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:43	09/30/23 00:29	1
Ethylbenzene	0.00416		0.00199		mg/Kg		09/28/23 17:43	09/30/23 00:29	1
m-Xylene & p-Xylene	0.0237		0.00398		mg/Kg		09/28/23 17:43	09/30/23 00:29	1
o-Xylene	0.0118		0.00199		mg/Kg		09/28/23 17:43	09/30/23 00:29	1
Xylenes, Total	0.0355		0.00398		mg/Kg		09/28/23 17:43	09/30/23 00:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				09/28/23 17:43	09/30/23 00:29	1
1,4-Difluorobenzene (Surr)	108		70 - 130				09/28/23 17:43	09/30/23 00:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0397		0.00398		mg/Kg			09/30/23 00:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	173		50.3		mg/Kg			09/30/23 00:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		09/29/23 08:58	09/30/23 00:10	1
Diesel Range Organics (Over C10-C28)	173		50.3		mg/Kg		09/29/23 08:58	09/30/23 00:10	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		09/29/23 08:58	09/30/23 00:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				09/29/23 08:58	09/30/23 00:10	1
o-Terphenyl	104		70 - 130				09/29/23 08:58	09/30/23 00:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	226		4.98		mg/Kg			10/02/23 11:17	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-5 (3')
Date Collected: 09/27/23 00:00
Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-25
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:43	09/30/23 00:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:43	09/30/23 00:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:43	09/30/23 00:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/28/23 17:43	09/30/23 00:50	1
o-Xylene	0.00571		0.00199		mg/Kg		09/28/23 17:43	09/30/23 00:50	1
Xylenes, Total	0.00571		0.00398		mg/Kg		09/28/23 17:43	09/30/23 00:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				09/28/23 17:43	09/30/23 00:50	1
1,4-Difluorobenzene (Surr)	80		70 - 130				09/28/23 17:43	09/30/23 00:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00571		0.00398		mg/Kg			09/30/23 00:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	54.9		50.4		mg/Kg			09/30/23 00:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		09/29/23 08:58	09/30/23 00:32	1
Diesel Range Organics (Over C10-C28)	54.9		50.4		mg/Kg		09/29/23 08:58	09/30/23 00:32	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		09/29/23 08:58	09/30/23 00:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	45	S1-	70 - 130				09/29/23 08:58	09/30/23 00:32	1
o-Terphenyl	41	S1-	70 - 130				09/29/23 08:58	09/30/23 00:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	175		5.03		mg/Kg			10/02/23 11:37	1

Client Sample ID: T-5 (4')
Date Collected: 09/27/23 00:00
Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-26
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:43	09/30/23 01:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:43	09/30/23 01:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:43	09/30/23 01:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/28/23 17:43	09/30/23 01:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:43	09/30/23 01:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/28/23 17:43	09/30/23 01:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				09/28/23 17:43	09/30/23 01:11	1
1,4-Difluorobenzene (Surr)	73		70 - 130				09/28/23 17:43	09/30/23 01:11	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-5 (4')

Lab Sample ID: 880-33783-26

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/30/23 01:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			09/30/23 00:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		09/29/23 08:58	09/30/23 00:55	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/29/23 08:58	09/30/23 00:55	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/29/23 08:58	09/30/23 00:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	36	S1-	70 - 130				09/29/23 08:58	09/30/23 00:55	1
o-Terphenyl	29	S1-	70 - 130				09/29/23 08:58	09/30/23 00:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	92.0		4.95		mg/Kg			10/02/23 11:43	1

Client Sample ID: T-6 (0-1')

Lab Sample ID: 880-33783-27

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/28/23 17:43	09/30/23 01:31	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/28/23 17:43	09/30/23 01:31	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/28/23 17:43	09/30/23 01:31	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/28/23 17:43	09/30/23 01:31	1
o-Xylene	0.00204		0.00198		mg/Kg		09/28/23 17:43	09/30/23 01:31	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/28/23 17:43	09/30/23 01:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				09/28/23 17:43	09/30/23 01:31	1
1,4-Difluorobenzene (Surr)	80		70 - 130				09/28/23 17:43	09/30/23 01:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			09/30/23 01:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	59.0		50.2		mg/Kg			09/30/23 01:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		09/29/23 08:58	09/30/23 01:39	1
Diesel Range Organics (Over C10-C28)	59.0		50.2		mg/Kg		09/29/23 08:58	09/30/23 01:39	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-6 (0-1')

Lab Sample ID: 880-33783-27

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		09/29/23 08:58	09/30/23 01:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	49	S1-	70 - 130				09/29/23 08:58	09/30/23 01:39	1
o-Terphenyl	44	S1-	70 - 130				09/29/23 08:58	09/30/23 01:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	104		4.97		mg/Kg			10/02/23 11:50	1

Client Sample ID: T-6 (1.5')

Lab Sample ID: 880-33783-28

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:43	09/30/23 01:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:43	09/30/23 01:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:43	09/30/23 01:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/28/23 17:43	09/30/23 01:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:43	09/30/23 01:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/28/23 17:43	09/30/23 01:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130				09/28/23 17:43	09/30/23 01:52	1
1,4-Difluorobenzene (Surr)	88		70 - 130				09/28/23 17:43	09/30/23 01:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/30/23 01:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/30/23 02:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		09/29/23 08:58	09/30/23 02:01	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		09/29/23 08:58	09/30/23 02:01	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/29/23 08:58	09/30/23 02:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				09/29/23 08:58	09/30/23 02:01	1
o-Terphenyl	80		70 - 130				09/29/23 08:58	09/30/23 02:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83.2		5.02		mg/Kg			10/02/23 11:57	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-6 (2')

Lab Sample ID: 880-33783-29

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/28/23 17:43	09/30/23 02:12	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/28/23 17:43	09/30/23 02:12	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/28/23 17:43	09/30/23 02:12	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		09/28/23 17:43	09/30/23 02:12	1
o-Xylene	0.00216		0.00198		mg/Kg		09/28/23 17:43	09/30/23 02:12	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		09/28/23 17:43	09/30/23 02:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130	09/28/23 17:43	09/30/23 02:12	1
1,4-Difluorobenzene (Surr)	101		70 - 130	09/28/23 17:43	09/30/23 02:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			09/30/23 02:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/30/23 02:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		09/29/23 08:58	09/30/23 02:23	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		09/29/23 08:58	09/30/23 02:23	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/29/23 08:58	09/30/23 02:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130	09/29/23 08:58	09/30/23 02:23	1
o-Terphenyl	76		70 - 130	09/29/23 08:58	09/30/23 02:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.2		5.01		mg/Kg			10/02/23 12:03	1

Client Sample ID: T-6 (3')

Lab Sample ID: 880-33783-30

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:43	09/30/23 02:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:43	09/30/23 02:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:43	09/30/23 02:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/28/23 17:43	09/30/23 02:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:43	09/30/23 02:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/28/23 17:43	09/30/23 02:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	09/28/23 17:43	09/30/23 02:33	1
1,4-Difluorobenzene (Surr)	82		70 - 130	09/28/23 17:43	09/30/23 02:33	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-6 (3')

Lab Sample ID: 880-33783-30

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/30/23 02:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/30/23 02:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/29/23 08:58	09/30/23 02:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/29/23 08:58	09/30/23 02:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/29/23 08:58	09/30/23 02:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				09/29/23 08:58	09/30/23 02:45	1
o-Terphenyl	92		70 - 130				09/29/23 08:58	09/30/23 02:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	141		4.99		mg/Kg			10/02/23 12:10	1

Client Sample ID: T-6 (4')

Lab Sample ID: 880-33783-31

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:43	09/30/23 03:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:43	09/30/23 03:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:43	09/30/23 03:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/28/23 17:43	09/30/23 03:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:43	09/30/23 03:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/28/23 17:43	09/30/23 03:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				09/28/23 17:43	09/30/23 03:57	1
1,4-Difluorobenzene (Surr)	69	S1-	70 - 130				09/28/23 17:43	09/30/23 03:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/30/23 03:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/30/23 03:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/29/23 08:58	09/30/23 03:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/29/23 08:58	09/30/23 03:08	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-6 (4')

Lab Sample ID: 880-33783-31

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/29/23 08:58	09/30/23 03:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	40	S1-	70 - 130				09/29/23 08:58	09/30/23 03:08	1
o-Terphenyl	30	S1-	70 - 130				09/29/23 08:58	09/30/23 03:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	91.9		5.04		mg/Kg			10/02/23 12:16	1

Client Sample ID: T-7 (0-1')

Lab Sample ID: 880-33783-32

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:43	09/30/23 04:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:43	09/30/23 04:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:43	09/30/23 04:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/28/23 17:43	09/30/23 04:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:43	09/30/23 04:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/28/23 17:43	09/30/23 04:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130				09/28/23 17:43	09/30/23 04:17	1
1,4-Difluorobenzene (Surr)	88		70 - 130				09/28/23 17:43	09/30/23 04:17	1

Method: TAL SOP 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			09/30/23 04:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	73.7		49.9		mg/Kg			09/30/23 03:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/29/23 08:58	09/30/23 03:30	1
Diesel Range Organics (Over C10-C28)	73.7		49.9		mg/Kg		09/29/23 08:58	09/30/23 03:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/29/23 08:58	09/30/23 03:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				09/29/23 08:58	09/30/23 03:30	1
o-Terphenyl	72		70 - 130				09/29/23 08:58	09/30/23 03:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	97.7		4.99		mg/Kg			09/29/23 18:18	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-7 (1.5')

Lab Sample ID: 880-33783-33

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:43	09/30/23 04:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:43	09/30/23 04:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:43	09/30/23 04:38	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/28/23 17:43	09/30/23 04:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:43	09/30/23 04:38	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/28/23 17:43	09/30/23 04:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	09/28/23 17:43	09/30/23 04:38	1
1,4-Difluorobenzene (Surr)	63	S1-	70 - 130	09/28/23 17:43	09/30/23 04:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/30/23 04:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			09/30/23 03:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		09/29/23 08:58	09/30/23 03:52	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		09/29/23 08:58	09/30/23 03:52	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		09/29/23 08:58	09/30/23 03:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	09/29/23 08:58	09/30/23 03:52	1
o-Terphenyl	88		70 - 130	09/29/23 08:58	09/30/23 03:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.3		5.02		mg/Kg			09/29/23 18:24	1

Client Sample ID: T-7 (2')

Lab Sample ID: 880-33783-34

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/28/23 17:43	09/30/23 04:58	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/28/23 17:43	09/30/23 04:58	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/28/23 17:43	09/30/23 04:58	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/28/23 17:43	09/30/23 04:58	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/28/23 17:43	09/30/23 04:58	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/28/23 17:43	09/30/23 04:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	09/28/23 17:43	09/30/23 04:58	1
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130	09/28/23 17:43	09/30/23 04:58	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-7 (2')

Lab Sample ID: 880-33783-34

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/30/23 04:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			09/30/23 04:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		09/29/23 08:58	09/30/23 04:14	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		09/29/23 08:58	09/30/23 04:14	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		09/29/23 08:58	09/30/23 04:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				09/29/23 08:58	09/30/23 04:14	1
o-Terphenyl	87		70 - 130				09/29/23 08:58	09/30/23 04:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.9		5.01		mg/Kg			09/29/23 18:31	1

Client Sample ID: T-7 (3')

Lab Sample ID: 880-33783-35

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:43	09/30/23 05:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:43	09/30/23 05:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:43	09/30/23 05:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/28/23 17:43	09/30/23 05:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:43	09/30/23 05:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/28/23 17:43	09/30/23 05:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				09/28/23 17:43	09/30/23 05:18	1
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130				09/28/23 17:43	09/30/23 05:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/30/23 05:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			09/30/23 04:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		09/29/23 08:58	09/30/23 04:36	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		09/29/23 08:58	09/30/23 04:36	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-7 (3')

Lab Sample ID: 880-33783-35

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		09/29/23 08:58	09/30/23 04:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				09/29/23 08:58	09/30/23 04:36	1
o-Terphenyl	98		70 - 130				09/29/23 08:58	09/30/23 04:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		4.96		mg/Kg			09/29/23 18:38	1

Client Sample ID: T-7 (4')

Lab Sample ID: 880-33783-36

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:43	09/30/23 05:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:43	09/30/23 05:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:43	09/30/23 05:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/28/23 17:43	09/30/23 05:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/28/23 17:43	09/30/23 05:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/28/23 17:43	09/30/23 05:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130				09/28/23 17:43	09/30/23 05:39	1
1,4-Difluorobenzene (Surr)	78		70 - 130				09/28/23 17:43	09/30/23 05:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/30/23 05:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/30/23 04:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/29/23 08:58	09/30/23 04:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/29/23 08:58	09/30/23 04:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/29/23 08:58	09/30/23 04:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				09/29/23 08:58	09/30/23 04:57	1
o-Terphenyl	108		70 - 130				09/29/23 08:58	09/30/23 04:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	93.8		4.95		mg/Kg			09/29/23 18:44	1

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-33783-1

Project/Site: SRO State Com 53H (04.20.23)

SDG: Eddy County, New Mexico

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)
880-33783-1	T-1 (0-1')	134 S1+	109
880-33783-1 MS	T-1 (0-1')	151 S1+	100
880-33783-1 MSD	T-1 (0-1')	148 S1+	95
880-33783-2	T-1 (1.5')	353 S1+	102
880-33783-3	T-1 (2')	127	102
880-33783-4	T-1 (3')	102	81
880-33783-5	T-1 (4')	107	91
880-33783-6	T-1 (5')	94	79
880-33783-7	T-2 (0-1')	111	81
880-33783-8	T-2 (1.5')	128	88
880-33783-9	T-2 (2')	104	83
880-33783-10	T-2 (3')	97	87
880-33783-11	T-2 (4')	87	92
880-33783-12	T-3 (0-1')	230 S1+	102
880-33783-13	T-3 (1.5')	128	99
880-33783-14	T-3 (2')	106	95
880-33783-15	T-3 (3')	126	100
880-33783-16	T-3 (4')	90	87
880-33783-17	T-4 (0-1')	115	105
880-33783-18	T-4 (1.5')	93	86
880-33783-19	T-4 (2')	100	89
880-33783-20	T-4 (3')	93	79
880-33783-21	T-4 (4')	66 S1-	104
880-33783-21 MS	T-4 (4')	112	98
880-33783-21 MSD	T-4 (4')	83	83
880-33783-22	T-5 (0-1')	282 S1+	97
880-33783-23	T-5 (1.5')	178 S1+	96
880-33783-24	T-5 (2')	102	108
880-33783-25	T-5 (3')	101	80
880-33783-26	T-5 (4')	98	73
880-33783-27	T-6 (0-1')	105	80
880-33783-28	T-6 (1.5')	77	88
880-33783-29	T-6 (2')	73	101
880-33783-30	T-6 (3')	98	82
880-33783-31	T-6 (4')	87	69 S1-
880-33783-32	T-7 (0-1')	78	88
880-33783-33	T-7 (1.5')	96	63 S1-
880-33783-34	T-7 (2')	93	68 S1-
880-33783-35	T-7 (3')	89	67 S1-
880-33783-36	T-7 (4')	73	78
890-5373-A-1-A MS	Matrix Spike	107	108
890-5373-A-1-B MSD	Matrix Spike Duplicate	105	102
LCS 880-63560/1-A	Lab Control Sample	123	122
LCS 880-63561/1-A	Lab Control Sample	113	99
LCS 880-63670/1-A	Lab Control Sample	98	100
LCSD 880-63560/2-A	Lab Control Sample Dup	116	112
LCSD 880-63561/2-A	Lab Control Sample Dup	117	93
LCSD 880-63670/2-A	Lab Control Sample Dup	95	101
MB 880-63557/5-A	Method Blank	79	85

Eurofins Midland

Surrogate Summary

Client: Carmona Resources

Job ID: 880-33783-1

Project/Site: SRO State Com 53H (04.20.23)

SDG: Eddy County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
MB 880-63558/5-A	Method Blank	73	95
MB 880-63560/5-A	Method Blank	71	92
MB 880-63561/5-A	Method Blank	70	98
MB 880-63670/5-A	Method Blank	116	141 S1+
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-33781-A-25-D MS	Matrix Spike	18 S1-	12 S1-
880-33781-A-25-E MSD	Matrix Spike Duplicate	18 S1-	12 S1-
880-33783-1	T-1 (0-1')	41 S1-	21 S1-
880-33783-2	T-1 (1.5')	128	67 S1-
880-33783-3	T-1 (2')	2 S1-	3 S1-
880-33783-4	T-1 (3')	1 S1-	1 S1-
880-33783-5	T-1 (4')	1 S1-	3 S1-
880-33783-6	T-1 (5')	1 S1-	0.7 S1-
880-33783-7	T-2 (0-1')	1 S1-	4 S1-
880-33783-8	T-2 (1.5')	2 S1-	3 S1-
880-33783-9	T-2 (2')	1 S1-	0.8 S1-
880-33783-10	T-2 (3')	1 S1-	1 S1-
880-33783-11	T-2 (4')	1 S1-	0.7 S1-
880-33783-12	T-3 (0-1')	9 S1-	48 S1-
880-33783-13	T-3 (1.5')	3 S1-	5 S1-
880-33783-14	T-3 (2')	1 S1-	1 S1-
880-33783-15	T-3 (3')	2 S1-	4 S1-
880-33783-16	T-3 (4')	0.9 S1-	0.6 S1-
880-33783-17	T-4 (0-1')	107	105
880-33783-18	T-4 (1.5')	121	121
880-33783-18 MS	T-4 (1.5')	105	100
880-33783-18 MSD	T-4 (1.5')	112	107
880-33783-19	T-4 (2')	108	112
880-33783-20	T-4 (3')	93	94
880-33783-21	T-4 (4')	9 S1-	0.6 S1-
880-33783-22	T-5 (0-1')	13 S1-	34 S1-
880-33783-23	T-5 (1.5')	79	72
880-33783-24	T-5 (2')	101	104
880-33783-25	T-5 (3')	45 S1-	41 S1-
880-33783-26	T-5 (4')	36 S1-	29 S1-
880-33783-27	T-6 (0-1')	49 S1-	44 S1-
880-33783-28	T-6 (1.5')	82	80
880-33783-29	T-6 (2')	74	76
880-33783-30	T-6 (3')	89	92
880-33783-31	T-6 (4')	40 S1-	30 S1-
880-33783-32	T-7 (0-1')	74	72

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-33783-1

Project/Site: SRO State Com 53H (04.20.23)

SDG: Eddy County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-33783-33	T-7 (1.5')	84	88
880-33783-34	T-7 (2')	85	87
880-33783-35	T-7 (3')	93	98
880-33783-36	T-7 (4')	105	108
LCS 880-63585/2-A	Lab Control Sample	103	119
LCS 880-63587/2-A	Lab Control Sample	99	114
LCSD 880-63585/3-A	Lab Control Sample Dup	107	116
LCSD 880-63587/3-A	Lab Control Sample Dup	88	99
MB 880-63585/1-A	Method Blank	163 S1+	158 S1+
MB 880-63587/1-A	Method Blank	138 S1+	156 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-63557/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 63582							Prep Batch: 63557		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:33	09/30/23 20:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:33	09/30/23 20:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:33	09/30/23 20:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/28/23 17:33	09/30/23 20:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:33	09/30/23 20:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/28/23 17:33	09/30/23 20:17	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130				09/28/23 17:33	09/30/23 20:17	1
1,4-Difluorobenzene (Surr)	85		70 - 130				09/28/23 17:33	09/30/23 20:17	1

Lab Sample ID: MB 880-63558/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 63582							Prep Batch: 63558		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:34	09/29/23 12:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:34	09/29/23 12:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:34	09/29/23 12:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/28/23 17:34	09/29/23 12:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:34	09/29/23 12:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/28/23 17:34	09/29/23 12:09	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130				09/28/23 17:34	09/29/23 12:09	1
1,4-Difluorobenzene (Surr)	95		70 - 130				09/28/23 17:34	09/29/23 12:09	1

Lab Sample ID: MB 880-63560/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 63582							Prep Batch: 63560		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:40	10/01/23 06:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:40	10/01/23 06:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:40	10/01/23 06:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/28/23 17:40	10/01/23 06:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:40	10/01/23 06:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/28/23 17:40	10/01/23 06:49	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	71		70 - 130				09/28/23 17:40	10/01/23 06:49	1
1,4-Difluorobenzene (Surr)	92		70 - 130				09/28/23 17:40	10/01/23 06:49	1

QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-63560/1-A

Matrix: Solid

Analysis Batch: 63582

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 63560

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09231		mg/Kg		92	70 - 130
Toluene	0.100	0.1051		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.1166		mg/Kg		117	70 - 130
m-Xylene & p-Xylene	0.200	0.2417		mg/Kg		121	70 - 130
o-Xylene	0.100	0.1208		mg/Kg		121	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	123		70 - 130
1,4-Difluorobenzene (Surr)	122		70 - 130

Lab Sample ID: LCSD 880-63560/2-A

Matrix: Solid

Analysis Batch: 63582

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 63560

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09723		mg/Kg		97	70 - 130	5	35
Toluene	0.100	0.1056		mg/Kg		106	70 - 130	0	35
Ethylbenzene	0.100	0.1113		mg/Kg		111	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2277		mg/Kg		114	70 - 130	6	35
o-Xylene	0.100	0.1139		mg/Kg		114	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-33783-1 MS

Matrix: Solid

Analysis Batch: 63582

Client Sample ID: T-1 (0-1')

Prep Type: Total/NA

Prep Batch: 63560

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U F1	0.0998	0.06060	F1	mg/Kg		60	70 - 130
Toluene	0.0332	F1	0.0998	0.05587	F1	mg/Kg		23	70 - 130
Ethylbenzene	0.0302	F1	0.0998	0.05950	F1	mg/Kg		29	70 - 130
m-Xylene & p-Xylene	0.198	F1	0.200	0.2438	F1	mg/Kg		23	70 - 130
o-Xylene	0.134	F1	0.0998	0.1638	F1	mg/Kg		30	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	151	S1+	70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-33783-1 MSD

Matrix: Solid

Analysis Batch: 63582

Client Sample ID: T-1 (0-1')

Prep Type: Total/NA

Prep Batch: 63560

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.0990	0.06289	F1	mg/Kg		62	70 - 130	4	35
Toluene	0.0332	F1	0.0990	0.06343	F1	mg/Kg		31	70 - 130	13	35
Ethylbenzene	0.0302	F1	0.0990	0.05981	F1	mg/Kg		30	70 - 130	1	35

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-33783-1 MSD

Matrix: Solid

Analysis Batch: 63582

Client Sample ID: T-1 (0-1')

Prep Type: Total/NA

Prep Batch: 63560

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	0.198	F1	0.198	0.2406	F1	mg/Kg		22	70 - 130	1	35
o-Xylene	0.134	F1	0.0990	0.1648	F1	mg/Kg		31	70 - 130	1	35
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130								
1,4-Difluorobenzene (Surr)	95		70 - 130								

Lab Sample ID: MB 880-63561/5-A

Matrix: Solid

Analysis Batch: 63582

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 63561

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:43	09/29/23 23:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:43	09/29/23 23:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:43	09/29/23 23:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/28/23 17:43	09/29/23 23:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/28/23 17:43	09/29/23 23:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/28/23 17:43	09/29/23 23:06	1
Surrogate	MB %Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130				09/28/23 17:43	09/29/23 23:06	1
1,4-Difluorobenzene (Surr)	98		70 - 130				09/28/23 17:43	09/29/23 23:06	1

Lab Sample ID: LCS 880-63561/1-A

Matrix: Solid

Analysis Batch: 63582

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 63561

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.100	0.1042		mg/Kg		104	70 - 130		
Toluene	0.100	0.1113		mg/Kg		111	70 - 130		
Ethylbenzene	0.100	0.1127		mg/Kg		113	70 - 130		
m-Xylene & p-Xylene	0.200	0.2325		mg/Kg		116	70 - 130		
o-Xylene	0.100	0.1152		mg/Kg		115	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	LCS Limits						
4-Bromofluorobenzene (Surr)	113		70 - 130						
1,4-Difluorobenzene (Surr)	99		70 - 130						

Lab Sample ID: LCSD 880-63561/2-A

Matrix: Solid

Analysis Batch: 63582

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 63561

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09521		mg/Kg		95	70 - 130	9	35
Toluene	0.100	0.09791		mg/Kg		98	70 - 130	13	35
Ethylbenzene	0.100	0.09113		mg/Kg		91	70 - 130	21	35
m-Xylene & p-Xylene	0.200	0.1866		mg/Kg		93	70 - 130	22	35
o-Xylene	0.100	0.1074		mg/Kg		107	70 - 130	7	35

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 880-33783-21 MS
Matrix: Solid
Analysis Batch: 63582

Client Sample ID: T-4 (4')
Prep Type: Total/NA
Prep Batch: 63561

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U F2 F1	0.0998	0.07619		mg/Kg		76	70 - 130
Toluene	<0.00199	U F2 F1	0.0998	0.07063		mg/Kg		70	70 - 130
Ethylbenzene	<0.00199	U F2 F1	0.0998	0.07670		mg/Kg		77	70 - 130
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.200	0.1473		mg/Kg		74	70 - 130
o-Xylene	<0.00199	U F2 F1	0.0998	0.07975		mg/Kg		80	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-33783-21 MSD
Matrix: Solid
Analysis Batch: 63582

Client Sample ID: T-4 (4')
Prep Type: Total/NA
Prep Batch: 63561

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F2 F1	0.0990	0.03251	F2 F1	mg/Kg		33	70 - 130	80	35
Toluene	<0.00199	U F2 F1	0.0990	0.03854	F2 F1	mg/Kg		38	70 - 130	59	35
Ethylbenzene	<0.00199	U F2 F1	0.0990	0.03628	F2 F1	mg/Kg		37	70 - 130	72	35
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.198	0.06479	F2 F1	mg/Kg		33	70 - 130	78	35
o-Xylene	<0.00199	U F2 F1	0.0990	0.03914	F2 F1	mg/Kg		40	70 - 130	68	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	83		70 - 130
1,4-Difluorobenzene (Surr)	83		70 - 130

Lab Sample ID: MB 880-63670/5-A
Matrix: Solid
Analysis Batch: 63715

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 63670

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:40	10/02/23 12:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:40	10/02/23 12:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:40	10/02/23 12:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/29/23 16:40	10/02/23 12:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/29/23 16:40	10/02/23 12:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/29/23 16:40	10/02/23 12:00	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	116		70 - 130	09/29/23 16:40	10/02/23 12:00	1			
1,4-Difluorobenzene (Surr)	141	S1+	70 - 130	09/29/23 16:40	10/02/23 12:00	1			

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-63670/1-A

Matrix: Solid

Analysis Batch: 63715

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 63670

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1067		mg/Kg		107	70 - 130
Toluene	0.100	0.1006		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.1003		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	0.200	0.2199		mg/Kg		110	70 - 130
o-Xylene	0.100	0.1011		mg/Kg		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-63670/2-A

Matrix: Solid

Analysis Batch: 63715

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 63670

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1116		mg/Kg		112	70 - 130	5	35
Toluene	0.100	0.1030		mg/Kg		103	70 - 130	2	35
Ethylbenzene	0.100	0.09783		mg/Kg		98	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2063		mg/Kg		103	70 - 130	6	35
o-Xylene	0.100	0.09615		mg/Kg		96	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-5373-A-1-A MS

Matrix: Solid

Analysis Batch: 63715

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 63670

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0990	0.1060		mg/Kg		107	70 - 130
Toluene	<0.00200	U	0.0990	0.09041		mg/Kg		91	70 - 130
Ethylbenzene	<0.00200	U	0.0990	0.08474		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.198	0.1831		mg/Kg		92	70 - 130
o-Xylene	<0.00200	U	0.0990	0.09980		mg/Kg		100	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 890-5373-A-1-B MSD

Matrix: Solid

Analysis Batch: 63715

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 63670

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.09539		mg/Kg		96	70 - 130	11	35
Toluene	<0.00200	U	0.0990	0.08679		mg/Kg		88	70 - 130	4	35
Ethylbenzene	<0.00200	U	0.0990	0.08686		mg/Kg		88	70 - 130	2	35

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 890-5373-A-1-B MSD
Matrix: Solid
Analysis Batch: 63715

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 63670

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00399	U	0.198	0.1965		mg/Kg		99	70 - 130	7	35
o-Xylene	<0.00200	U	0.0990	0.09409		mg/Kg		95	70 - 130	6	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	105		70 - 130								
1,4-Difluorobenzene (Surr)	102		70 - 130								

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

Lab Sample ID: MB 880-63585/1-A
Matrix: Solid
Analysis Batch: 63577

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 63585

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/29/23 08:52	09/29/23 19:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/29/23 08:52	09/29/23 19:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/29/23 08:52	09/29/23 19:45	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	163	S1+	70 - 130				09/29/23 08:52	09/29/23 19:45	1
o-Terphenyl	158	S1+	70 - 130				09/29/23 08:52	09/29/23 19:45	1

Lab Sample ID: LCS 880-63585/2-A
Matrix: Solid
Analysis Batch: 63577

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 63585

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	967.6		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	996.4		mg/Kg		100	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	103		70 - 130						
o-Terphenyl	119		70 - 130						

Lab Sample ID: LCSD 880-63585/3-A
Matrix: Solid
Analysis Batch: 63577

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 63585

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1122		mg/Kg		112	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	1000	1001		mg/Kg		100	70 - 130	0	20

QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-63585/3-A
Matrix: Solid
Analysis Batch: 63577

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 63585

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	116		70 - 130

Lab Sample ID: 880-33781-A-25-D MS
Matrix: Solid
Analysis Batch: 63577

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 63585

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	111		991	1363		mg/Kg		126	70 - 130	
Diesel Range Organics (Over C10-C28)	68.6		991	1284		mg/Kg		123	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	18	S1-	70 - 130							
o-Terphenyl	12	S1-	70 - 130							

Lab Sample ID: 880-33781-A-25-E MSD
Matrix: Solid
Analysis Batch: 63577

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 63585

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	111		991	1368		mg/Kg		127	70 - 130	0	20	
Diesel Range Organics (Over C10-C28)	68.6		991	1290		mg/Kg		123	70 - 130	0	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	18	S1-	70 - 130									
o-Terphenyl	12	S1-	70 - 130									

Lab Sample ID: MB 880-63587/1-A
Matrix: Solid
Analysis Batch: 63579

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 63587

	MB	MB									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/29/23 08:58	09/29/23 19:45	1		
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/29/23 08:58	09/29/23 19:45	1		
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/29/23 08:58	09/29/23 19:45	1		
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac		
1-Chlorooctane	138	S1+	70 - 130				09/29/23 08:58	09/29/23 19:45	1		
o-Terphenyl	156	S1+	70 - 130				09/29/23 08:58	09/29/23 19:45	1		

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-63587/2-A

Matrix: Solid

Analysis Batch: 63579

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 63587

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	940.7		mg/Kg		94		70 - 130	
Diesel Range Organics (Over C10-C28)			1000	858.1		mg/Kg		86		70 - 130	

Lab Sample ID: LCSD 880-63587/3-A

Matrix: Solid

Analysis Batch: 63579

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 63587

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1024		mg/Kg		102	70 - 130	8	20
Diesel Range Organics (Over C10-C28)			1000	933.7		mg/Kg		93	70 - 130	8	20
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	88		70 - 130								
o-Terphenyl	99		70 - 130								

Lab Sample ID: 880-33783-18 MS

Matrix: Solid

Analysis Batch: 63579

Client Sample ID: T-4 (1.5')

Prep Type: Total/NA

Prep Batch: 63587

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	998	752.5		mg/Kg		74	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.5	U	998	897.3		mg/Kg		87	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	105		70 - 130								
o-Terphenyl	100		70 - 130								

Lab Sample ID: 880-33783-18 MSD

Matrix: Solid

Analysis Batch: 63579

Client Sample ID: T-4 (1.5')

Prep Type: Total/NA

Prep Batch: 63587

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	998	799.5		mg/Kg		79	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<50.5	U	998	964.9		mg/Kg		93	70 - 130	7	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	112		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-33783-18 MSD

Matrix: Solid

Analysis Batch: 63579

Client Sample ID: T-4 (1.5')

Prep Type: Total/NA

Prep Batch: 63587

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	107		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-63637/1-A

Matrix: Solid

Analysis Batch: 63662

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Chloride	<5.00	U	5.00		mg/Kg			09/29/23 16:57		1

Lab Sample ID: LCS 880-63637/2-A

Matrix: Solid

Analysis Batch: 63662

Client Sample ID: Lab Control Sample

Prep Type: Soluble

			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride			250	243.3		mg/Kg		97	90 - 110	

Lab Sample ID: LCSD 880-63637/3-A

Matrix: Solid

Analysis Batch: 63662

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250	243.2		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-33798-A-1-B MS

Matrix: Solid

Analysis Batch: 63662

Client Sample ID: Matrix Spike

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	1490		249	1643	E 4	mg/Kg		62	90 - 110	

Lab Sample ID: 880-33798-A-1-C MSD

Matrix: Solid

Analysis Batch: 63662

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	1490		249	1641	E 4	mg/Kg		62	90 - 110	0	20

Lab Sample ID: MB 880-63546/1-A

Matrix: Solid

Analysis Batch: 63664

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Chloride	<5.00	U	5.00		mg/Kg			10/02/23 08:32		1

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-63546/2-A

Matrix: Solid

Analysis Batch: 63664

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	241.6		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-63546/3-A

Matrix: Solid

Analysis Batch: 63664

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	241.2		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-33783-2 MS

Matrix: Solid

Analysis Batch: 63664

Client Sample ID: T-1 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	90.7		250	328.1		mg/Kg		95	90 - 110

Lab Sample ID: 880-33783-2 MSD

Matrix: Solid

Analysis Batch: 63664

Client Sample ID: T-1 (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	90.7		250	327.2		mg/Kg		95	90 - 110	0	20

Lab Sample ID: MB 880-63548/1-A

Matrix: Solid

Analysis Batch: 63757

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/02/23 08:35	1

Lab Sample ID: LCS 880-63548/2-A

Matrix: Solid

Analysis Batch: 63757

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	246.5		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-63548/3-A

Matrix: Solid

Analysis Batch: 63757

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	246.6		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-33783-12 MS

Matrix: Solid

Analysis Batch: 63757

Client Sample ID: T-3 (0-1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	164	F1	248	331.3	F1	mg/Kg		68	90 - 110

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-33783-12 MSD												Client Sample ID: T-3 (0-1')	
Matrix: Solid												Prep Type: Soluble	
Analysis Batch: 63757													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	164	F1	248	329.6	F1	mg/Kg		67	90 - 110	0	20		

Lab Sample ID: 880-33783-22 MS												Client Sample ID: T-5 (0-1')	
Matrix: Solid												Prep Type: Soluble	
Analysis Batch: 63757													
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	132	F1	251	419.2	F1	mg/Kg		114	90 - 110				

Lab Sample ID: 880-33783-22 MSD												Client Sample ID: T-5 (0-1')	
Matrix: Solid												Prep Type: Soluble	
Analysis Batch: 63757													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	132	F1	251	419.2	F1	mg/Kg		114	90 - 110	0	20		

QC Association Summary

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 63557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-63557/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 63558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-63558/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 63560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33783-1	T-1 (0-1')	Total/NA	Solid	5035	
880-33783-2	T-1 (1.5')	Total/NA	Solid	5035	
880-33783-3	T-1 (2')	Total/NA	Solid	5035	
880-33783-4	T-1 (3')	Total/NA	Solid	5035	
880-33783-5	T-1 (4')	Total/NA	Solid	5035	
880-33783-6	T-1 (5')	Total/NA	Solid	5035	
880-33783-7	T-2 (0-1')	Total/NA	Solid	5035	
880-33783-8	T-2 (1.5')	Total/NA	Solid	5035	
880-33783-9	T-2 (2')	Total/NA	Solid	5035	
880-33783-10	T-2 (3')	Total/NA	Solid	5035	
880-33783-11	T-2 (4')	Total/NA	Solid	5035	
880-33783-12	T-3 (0-1')	Total/NA	Solid	5035	
880-33783-13	T-3 (1.5')	Total/NA	Solid	5035	
880-33783-14	T-3 (2')	Total/NA	Solid	5035	
880-33783-15	T-3 (3')	Total/NA	Solid	5035	
880-33783-16	T-3 (4')	Total/NA	Solid	5035	
880-33783-17	T-4 (0-1')	Total/NA	Solid	5035	
880-33783-18	T-4 (1.5')	Total/NA	Solid	5035	
880-33783-19	T-4 (2')	Total/NA	Solid	5035	
880-33783-20	T-4 (3')	Total/NA	Solid	5035	
MB 880-63560/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-63560/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-63560/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-33783-1 MS	T-1 (0-1')	Total/NA	Solid	5035	
880-33783-1 MSD	T-1 (0-1')	Total/NA	Solid	5035	

Prep Batch: 63561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33783-21	T-4 (4')	Total/NA	Solid	5035	
880-33783-22	T-5 (0-1')	Total/NA	Solid	5035	
880-33783-23	T-5 (1.5')	Total/NA	Solid	5035	
880-33783-24	T-5 (2')	Total/NA	Solid	5035	
880-33783-25	T-5 (3')	Total/NA	Solid	5035	
880-33783-26	T-5 (4')	Total/NA	Solid	5035	
880-33783-27	T-6 (0-1')	Total/NA	Solid	5035	
880-33783-28	T-6 (1.5')	Total/NA	Solid	5035	
880-33783-29	T-6 (2')	Total/NA	Solid	5035	
880-33783-30	T-6 (3')	Total/NA	Solid	5035	
880-33783-31	T-6 (4')	Total/NA	Solid	5035	
880-33783-32	T-7 (0-1')	Total/NA	Solid	5035	
880-33783-33	T-7 (1.5')	Total/NA	Solid	5035	
880-33783-34	T-7 (2')	Total/NA	Solid	5035	
880-33783-35	T-7 (3')	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Prep Batch: 63561 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33783-36	T-7 (4')	Total/NA	Solid	5035	
MB 880-63561/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-63561/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-63561/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-33783-21 MS	T-4 (4')	Total/NA	Solid	5035	
880-33783-21 MSD	T-4 (4')	Total/NA	Solid	5035	

Analysis Batch: 63582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33783-1	T-1 (0-1')	Total/NA	Solid	8021B	63560
880-33783-2	T-1 (1.5')	Total/NA	Solid	8021B	63560
880-33783-3	T-1 (2')	Total/NA	Solid	8021B	63560
880-33783-4	T-1 (3')	Total/NA	Solid	8021B	63560
880-33783-5	T-1 (4')	Total/NA	Solid	8021B	63560
880-33783-6	T-1 (5')	Total/NA	Solid	8021B	63560
880-33783-7	T-2 (0-1')	Total/NA	Solid	8021B	63560
880-33783-8	T-2 (1.5')	Total/NA	Solid	8021B	63560
880-33783-9	T-2 (2')	Total/NA	Solid	8021B	63560
880-33783-10	T-2 (3')	Total/NA	Solid	8021B	63560
880-33783-11	T-2 (4')	Total/NA	Solid	8021B	63560
880-33783-12	T-3 (0-1')	Total/NA	Solid	8021B	63560
880-33783-13	T-3 (1.5')	Total/NA	Solid	8021B	63560
880-33783-14	T-3 (2')	Total/NA	Solid	8021B	63560
880-33783-15	T-3 (3')	Total/NA	Solid	8021B	63560
880-33783-16	T-3 (4')	Total/NA	Solid	8021B	63560
880-33783-17	T-4 (0-1')	Total/NA	Solid	8021B	63560
880-33783-18	T-4 (1.5')	Total/NA	Solid	8021B	63560
880-33783-19	T-4 (2')	Total/NA	Solid	8021B	63560
880-33783-20	T-4 (3')	Total/NA	Solid	8021B	63560
880-33783-21	T-4 (4')	Total/NA	Solid	8021B	63561
880-33783-22	T-5 (0-1')	Total/NA	Solid	8021B	63561
880-33783-23	T-5 (1.5')	Total/NA	Solid	8021B	63561
880-33783-24	T-5 (2')	Total/NA	Solid	8021B	63561
880-33783-25	T-5 (3')	Total/NA	Solid	8021B	63561
880-33783-26	T-5 (4')	Total/NA	Solid	8021B	63561
880-33783-27	T-6 (0-1')	Total/NA	Solid	8021B	63561
880-33783-28	T-6 (1.5')	Total/NA	Solid	8021B	63561
880-33783-29	T-6 (2')	Total/NA	Solid	8021B	63561
880-33783-30	T-6 (3')	Total/NA	Solid	8021B	63561
880-33783-31	T-6 (4')	Total/NA	Solid	8021B	63561
880-33783-32	T-7 (0-1')	Total/NA	Solid	8021B	63561
880-33783-33	T-7 (1.5')	Total/NA	Solid	8021B	63561
880-33783-34	T-7 (2')	Total/NA	Solid	8021B	63561
880-33783-35	T-7 (3')	Total/NA	Solid	8021B	63561
880-33783-36	T-7 (4')	Total/NA	Solid	8021B	63561
MB 880-63557/5-A	Method Blank	Total/NA	Solid	8021B	63557
MB 880-63558/5-A	Method Blank	Total/NA	Solid	8021B	63558
MB 880-63560/5-A	Method Blank	Total/NA	Solid	8021B	63560
MB 880-63561/5-A	Method Blank	Total/NA	Solid	8021B	63561
LCS 880-63560/1-A	Lab Control Sample	Total/NA	Solid	8021B	63560
LCS 880-63561/1-A	Lab Control Sample	Total/NA	Solid	8021B	63561

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QC Association Summary

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 63582 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-63560/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	63560
LCSD 880-63561/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	63561
880-33783-1 MS	T-1 (0-1')	Total/NA	Solid	8021B	63560
880-33783-1 MSD	T-1 (0-1')	Total/NA	Solid	8021B	63560
880-33783-21 MS	T-4 (4')	Total/NA	Solid	8021B	63561
880-33783-21 MSD	T-4 (4')	Total/NA	Solid	8021B	63561

Prep Batch: 63670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33783-2	T-1 (1.5')	Total/NA	Solid	5035	
880-33783-12	T-3 (0-1')	Total/NA	Solid	5035	
880-33783-23	T-5 (1.5')	Total/NA	Solid	5035	
MB 880-63670/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-63670/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-63670/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-5373-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
890-5373-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 63715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33783-2	T-1 (1.5')	Total/NA	Solid	8021B	63670
880-33783-12	T-3 (0-1')	Total/NA	Solid	8021B	63670
880-33783-23	T-5 (1.5')	Total/NA	Solid	8021B	63670
MB 880-63670/5-A	Method Blank	Total/NA	Solid	8021B	63670
LCS 880-63670/1-A	Lab Control Sample	Total/NA	Solid	8021B	63670
LCSD 880-63670/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	63670
890-5373-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	63670
890-5373-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	63670

Analysis Batch: 63807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33783-1	T-1 (0-1')	Total/NA	Solid	Total BTEX	
880-33783-2	T-1 (1.5')	Total/NA	Solid	Total BTEX	
880-33783-3	T-1 (2')	Total/NA	Solid	Total BTEX	
880-33783-4	T-1 (3')	Total/NA	Solid	Total BTEX	
880-33783-5	T-1 (4')	Total/NA	Solid	Total BTEX	
880-33783-6	T-1 (5')	Total/NA	Solid	Total BTEX	
880-33783-7	T-2 (0-1')	Total/NA	Solid	Total BTEX	
880-33783-8	T-2 (1.5')	Total/NA	Solid	Total BTEX	
880-33783-9	T-2 (2')	Total/NA	Solid	Total BTEX	
880-33783-10	T-2 (3')	Total/NA	Solid	Total BTEX	
880-33783-11	T-2 (4')	Total/NA	Solid	Total BTEX	
880-33783-12	T-3 (0-1')	Total/NA	Solid	Total BTEX	
880-33783-13	T-3 (1.5')	Total/NA	Solid	Total BTEX	
880-33783-14	T-3 (2')	Total/NA	Solid	Total BTEX	
880-33783-15	T-3 (3')	Total/NA	Solid	Total BTEX	
880-33783-16	T-3 (4')	Total/NA	Solid	Total BTEX	
880-33783-17	T-4 (0-1')	Total/NA	Solid	Total BTEX	
880-33783-18	T-4 (1.5')	Total/NA	Solid	Total BTEX	
880-33783-19	T-4 (2')	Total/NA	Solid	Total BTEX	
880-33783-20	T-4 (3')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 63807 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33783-21	T-4 (4')	Total/NA	Solid	Total BTEX	
880-33783-22	T-5 (0-1')	Total/NA	Solid	Total BTEX	
880-33783-23	T-5 (1.5')	Total/NA	Solid	Total BTEX	
880-33783-24	T-5 (2')	Total/NA	Solid	Total BTEX	
880-33783-25	T-5 (3')	Total/NA	Solid	Total BTEX	
880-33783-26	T-5 (4')	Total/NA	Solid	Total BTEX	
880-33783-27	T-6 (0-1')	Total/NA	Solid	Total BTEX	
880-33783-28	T-6 (1.5')	Total/NA	Solid	Total BTEX	
880-33783-29	T-6 (2')	Total/NA	Solid	Total BTEX	
880-33783-30	T-6 (3')	Total/NA	Solid	Total BTEX	
880-33783-31	T-6 (4')	Total/NA	Solid	Total BTEX	
880-33783-32	T-7 (0-1')	Total/NA	Solid	Total BTEX	
880-33783-33	T-7 (1.5')	Total/NA	Solid	Total BTEX	
880-33783-34	T-7 (2')	Total/NA	Solid	Total BTEX	
880-33783-35	T-7 (3')	Total/NA	Solid	Total BTEX	
880-33783-36	T-7 (4')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 63577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33783-1	T-1 (0-1')	Total/NA	Solid	8015B NM	63585
880-33783-2	T-1 (1.5')	Total/NA	Solid	8015B NM	63585
880-33783-3	T-1 (2')	Total/NA	Solid	8015B NM	63585
880-33783-4	T-1 (3')	Total/NA	Solid	8015B NM	63585
880-33783-5	T-1 (4')	Total/NA	Solid	8015B NM	63585
880-33783-6	T-1 (5')	Total/NA	Solid	8015B NM	63585
880-33783-7	T-2 (0-1')	Total/NA	Solid	8015B NM	63585
880-33783-8	T-2 (1.5')	Total/NA	Solid	8015B NM	63585
880-33783-9	T-2 (2')	Total/NA	Solid	8015B NM	63585
880-33783-10	T-2 (3')	Total/NA	Solid	8015B NM	63585
880-33783-11	T-2 (4')	Total/NA	Solid	8015B NM	63585
880-33783-12	T-3 (0-1')	Total/NA	Solid	8015B NM	63585
880-33783-13	T-3 (1.5')	Total/NA	Solid	8015B NM	63585
880-33783-14	T-3 (2')	Total/NA	Solid	8015B NM	63585
880-33783-15	T-3 (3')	Total/NA	Solid	8015B NM	63585
880-33783-16	T-3 (4')	Total/NA	Solid	8015B NM	63585
MB 880-63585/1-A	Method Blank	Total/NA	Solid	8015B NM	63585
LCS 880-63585/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	63585
LCSD 880-63585/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	63585
880-33781-A-25-D MS	Matrix Spike	Total/NA	Solid	8015B NM	63585
880-33781-A-25-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	63585

Analysis Batch: 63579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33783-17	T-4 (0-1')	Total/NA	Solid	8015B NM	63587
880-33783-18	T-4 (1.5')	Total/NA	Solid	8015B NM	63587
880-33783-19	T-4 (2')	Total/NA	Solid	8015B NM	63587
880-33783-20	T-4 (3')	Total/NA	Solid	8015B NM	63587
880-33783-21	T-4 (4')	Total/NA	Solid	8015B NM	63587
880-33783-22	T-5 (0-1')	Total/NA	Solid	8015B NM	63587

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 63579 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33783-23	T-5 (1.5')	Total/NA	Solid	8015B NM	63587
880-33783-24	T-5 (2')	Total/NA	Solid	8015B NM	63587
880-33783-25	T-5 (3')	Total/NA	Solid	8015B NM	63587
880-33783-26	T-5 (4')	Total/NA	Solid	8015B NM	63587
880-33783-27	T-6 (0-1')	Total/NA	Solid	8015B NM	63587
880-33783-28	T-6 (1.5')	Total/NA	Solid	8015B NM	63587
880-33783-29	T-6 (2')	Total/NA	Solid	8015B NM	63587
880-33783-30	T-6 (3')	Total/NA	Solid	8015B NM	63587
880-33783-31	T-6 (4')	Total/NA	Solid	8015B NM	63587
880-33783-32	T-7 (0-1')	Total/NA	Solid	8015B NM	63587
880-33783-33	T-7 (1.5')	Total/NA	Solid	8015B NM	63587
880-33783-34	T-7 (2')	Total/NA	Solid	8015B NM	63587
880-33783-35	T-7 (3')	Total/NA	Solid	8015B NM	63587
880-33783-36	T-7 (4')	Total/NA	Solid	8015B NM	63587
MB 880-63587/1-A	Method Blank	Total/NA	Solid	8015B NM	63587
LCS 880-63587/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	63587
LCSD 880-63587/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	63587
880-33783-18 MS	T-4 (1.5')	Total/NA	Solid	8015B NM	63587
880-33783-18 MSD	T-4 (1.5')	Total/NA	Solid	8015B NM	63587

Prep Batch: 63585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33783-1	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-33783-2	T-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-33783-3	T-1 (2')	Total/NA	Solid	8015NM Prep	
880-33783-4	T-1 (3')	Total/NA	Solid	8015NM Prep	
880-33783-5	T-1 (4')	Total/NA	Solid	8015NM Prep	
880-33783-6	T-1 (5')	Total/NA	Solid	8015NM Prep	
880-33783-7	T-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-33783-8	T-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-33783-9	T-2 (2')	Total/NA	Solid	8015NM Prep	
880-33783-10	T-2 (3')	Total/NA	Solid	8015NM Prep	
880-33783-11	T-2 (4')	Total/NA	Solid	8015NM Prep	
880-33783-12	T-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-33783-13	T-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-33783-14	T-3 (2')	Total/NA	Solid	8015NM Prep	
880-33783-15	T-3 (3')	Total/NA	Solid	8015NM Prep	
880-33783-16	T-3 (4')	Total/NA	Solid	8015NM Prep	
MB 880-63585/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-63585/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-63585/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-33781-A-25-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-33781-A-25-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 63587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33783-17	T-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-33783-18	T-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-33783-19	T-4 (2')	Total/NA	Solid	8015NM Prep	
880-33783-20	T-4 (3')	Total/NA	Solid	8015NM Prep	
880-33783-21	T-4 (4')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 63587 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33783-22	T-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-33783-23	T-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-33783-24	T-5 (2')	Total/NA	Solid	8015NM Prep	
880-33783-25	T-5 (3')	Total/NA	Solid	8015NM Prep	
880-33783-26	T-5 (4')	Total/NA	Solid	8015NM Prep	
880-33783-27	T-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-33783-28	T-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-33783-29	T-6 (2')	Total/NA	Solid	8015NM Prep	
880-33783-30	T-6 (3')	Total/NA	Solid	8015NM Prep	
880-33783-31	T-6 (4')	Total/NA	Solid	8015NM Prep	
880-33783-32	T-7 (0-1')	Total/NA	Solid	8015NM Prep	
880-33783-33	T-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-33783-34	T-7 (2')	Total/NA	Solid	8015NM Prep	
880-33783-35	T-7 (3')	Total/NA	Solid	8015NM Prep	
880-33783-36	T-7 (4')	Total/NA	Solid	8015NM Prep	
MB 880-63587/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-63587/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-63587/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-33783-18 MS	T-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-33783-18 MSD	T-4 (1.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 63746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33783-1	T-1 (0-1')	Total/NA	Solid	8015 NM	
880-33783-2	T-1 (1.5')	Total/NA	Solid	8015 NM	
880-33783-3	T-1 (2')	Total/NA	Solid	8015 NM	
880-33783-4	T-1 (3')	Total/NA	Solid	8015 NM	
880-33783-5	T-1 (4')	Total/NA	Solid	8015 NM	
880-33783-6	T-1 (5')	Total/NA	Solid	8015 NM	
880-33783-7	T-2 (0-1')	Total/NA	Solid	8015 NM	
880-33783-8	T-2 (1.5')	Total/NA	Solid	8015 NM	
880-33783-9	T-2 (2')	Total/NA	Solid	8015 NM	
880-33783-10	T-2 (3')	Total/NA	Solid	8015 NM	
880-33783-11	T-2 (4')	Total/NA	Solid	8015 NM	
880-33783-12	T-3 (0-1')	Total/NA	Solid	8015 NM	
880-33783-13	T-3 (1.5')	Total/NA	Solid	8015 NM	
880-33783-14	T-3 (2')	Total/NA	Solid	8015 NM	
880-33783-15	T-3 (3')	Total/NA	Solid	8015 NM	
880-33783-16	T-3 (4')	Total/NA	Solid	8015 NM	
880-33783-17	T-4 (0-1')	Total/NA	Solid	8015 NM	
880-33783-18	T-4 (1.5')	Total/NA	Solid	8015 NM	
880-33783-19	T-4 (2')	Total/NA	Solid	8015 NM	
880-33783-20	T-4 (3')	Total/NA	Solid	8015 NM	
880-33783-21	T-4 (4')	Total/NA	Solid	8015 NM	
880-33783-22	T-5 (0-1')	Total/NA	Solid	8015 NM	
880-33783-23	T-5 (1.5')	Total/NA	Solid	8015 NM	
880-33783-24	T-5 (2')	Total/NA	Solid	8015 NM	
880-33783-25	T-5 (3')	Total/NA	Solid	8015 NM	
880-33783-26	T-5 (4')	Total/NA	Solid	8015 NM	
880-33783-27	T-6 (0-1')	Total/NA	Solid	8015 NM	
880-33783-28	T-6 (1.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 63746 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33783-29	T-6 (2')	Total/NA	Solid	8015 NM	
880-33783-30	T-6 (3')	Total/NA	Solid	8015 NM	
880-33783-31	T-6 (4')	Total/NA	Solid	8015 NM	
880-33783-32	T-7 (0-1')	Total/NA	Solid	8015 NM	
880-33783-33	T-7 (1.5')	Total/NA	Solid	8015 NM	
880-33783-34	T-7 (2')	Total/NA	Solid	8015 NM	
880-33783-35	T-7 (3')	Total/NA	Solid	8015 NM	
880-33783-36	T-7 (4')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 63546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33783-1	T-1 (0-1')	Soluble	Solid	DI Leach	
880-33783-2	T-1 (1.5')	Soluble	Solid	DI Leach	
880-33783-3	T-1 (2')	Soluble	Solid	DI Leach	
880-33783-4	T-1 (3')	Soluble	Solid	DI Leach	
880-33783-5	T-1 (4')	Soluble	Solid	DI Leach	
880-33783-6	T-1 (5')	Soluble	Solid	DI Leach	
880-33783-7	T-2 (0-1')	Soluble	Solid	DI Leach	
880-33783-8	T-2 (1.5')	Soluble	Solid	DI Leach	
880-33783-9	T-2 (2')	Soluble	Solid	DI Leach	
880-33783-10	T-2 (3')	Soluble	Solid	DI Leach	
880-33783-11	T-2 (4')	Soluble	Solid	DI Leach	
MB 880-63546/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-63546/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-63546/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-33783-2 MS	T-1 (1.5')	Soluble	Solid	DI Leach	
880-33783-2 MSD	T-1 (1.5')	Soluble	Solid	DI Leach	

Leach Batch: 63548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33783-12	T-3 (0-1')	Soluble	Solid	DI Leach	
880-33783-13	T-3 (1.5')	Soluble	Solid	DI Leach	
880-33783-14	T-3 (2')	Soluble	Solid	DI Leach	
880-33783-15	T-3 (3')	Soluble	Solid	DI Leach	
880-33783-16	T-3 (4')	Soluble	Solid	DI Leach	
880-33783-17	T-4 (0-1')	Soluble	Solid	DI Leach	
880-33783-18	T-4 (1.5')	Soluble	Solid	DI Leach	
880-33783-19	T-4 (2')	Soluble	Solid	DI Leach	
880-33783-20	T-4 (3')	Soluble	Solid	DI Leach	
880-33783-21	T-4 (4')	Soluble	Solid	DI Leach	
880-33783-22	T-5 (0-1')	Soluble	Solid	DI Leach	
880-33783-23	T-5 (1.5')	Soluble	Solid	DI Leach	
880-33783-24	T-5 (2')	Soluble	Solid	DI Leach	
880-33783-25	T-5 (3')	Soluble	Solid	DI Leach	
880-33783-26	T-5 (4')	Soluble	Solid	DI Leach	
880-33783-27	T-6 (0-1')	Soluble	Solid	DI Leach	
880-33783-28	T-6 (1.5')	Soluble	Solid	DI Leach	
880-33783-29	T-6 (2')	Soluble	Solid	DI Leach	
880-33783-30	T-6 (3')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 63548 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33783-31	T-6 (4')	Soluble	Solid	DI Leach	
MB 880-63548/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-63548/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-63548/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-33783-12 MS	T-3 (0-1')	Soluble	Solid	DI Leach	
880-33783-12 MSD	T-3 (0-1')	Soluble	Solid	DI Leach	
880-33783-22 MS	T-5 (0-1')	Soluble	Solid	DI Leach	
880-33783-22 MSD	T-5 (0-1')	Soluble	Solid	DI Leach	

Leach Batch: 63637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33783-32	T-7 (0-1')	Soluble	Solid	DI Leach	
880-33783-33	T-7 (1.5')	Soluble	Solid	DI Leach	
880-33783-34	T-7 (2')	Soluble	Solid	DI Leach	
880-33783-35	T-7 (3')	Soluble	Solid	DI Leach	
880-33783-36	T-7 (4')	Soluble	Solid	DI Leach	
MB 880-63637/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-63637/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-63637/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-33798-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-33798-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 63662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33783-32	T-7 (0-1')	Soluble	Solid	300.0	63637
880-33783-33	T-7 (1.5')	Soluble	Solid	300.0	63637
880-33783-34	T-7 (2')	Soluble	Solid	300.0	63637
880-33783-35	T-7 (3')	Soluble	Solid	300.0	63637
880-33783-36	T-7 (4')	Soluble	Solid	300.0	63637
MB 880-63637/1-A	Method Blank	Soluble	Solid	300.0	63637
LCS 880-63637/2-A	Lab Control Sample	Soluble	Solid	300.0	63637
LCSD 880-63637/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	63637
880-33798-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	63637
880-33798-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	63637

Analysis Batch: 63664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33783-1	T-1 (0-1')	Soluble	Solid	300.0	63546
880-33783-2	T-1 (1.5')	Soluble	Solid	300.0	63546
880-33783-3	T-1 (2')	Soluble	Solid	300.0	63546
880-33783-4	T-1 (3')	Soluble	Solid	300.0	63546
880-33783-5	T-1 (4')	Soluble	Solid	300.0	63546
880-33783-6	T-1 (5')	Soluble	Solid	300.0	63546
880-33783-7	T-2 (0-1')	Soluble	Solid	300.0	63546
880-33783-8	T-2 (1.5')	Soluble	Solid	300.0	63546
880-33783-9	T-2 (2')	Soluble	Solid	300.0	63546
880-33783-10	T-2 (3')	Soluble	Solid	300.0	63546
880-33783-11	T-2 (4')	Soluble	Solid	300.0	63546
MB 880-63546/1-A	Method Blank	Soluble	Solid	300.0	63546
LCS 880-63546/2-A	Lab Control Sample	Soluble	Solid	300.0	63546
LCSD 880-63546/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	63546

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-33783-1

Project/Site: SRO State Com 53H (04.20.23)

SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 63664 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33783-2 MS	T-1 (1.5')	Soluble	Solid	300.0	63546
880-33783-2 MSD	T-1 (1.5')	Soluble	Solid	300.0	63546

Analysis Batch: 63757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33783-12	T-3 (0-1')	Soluble	Solid	300.0	63548
880-33783-13	T-3 (1.5')	Soluble	Solid	300.0	63548
880-33783-14	T-3 (2')	Soluble	Solid	300.0	63548
880-33783-15	T-3 (3')	Soluble	Solid	300.0	63548
880-33783-16	T-3 (4')	Soluble	Solid	300.0	63548
880-33783-17	T-4 (0-1')	Soluble	Solid	300.0	63548
880-33783-18	T-4 (1.5')	Soluble	Solid	300.0	63548
880-33783-19	T-4 (2')	Soluble	Solid	300.0	63548
880-33783-20	T-4 (3')	Soluble	Solid	300.0	63548
880-33783-21	T-4 (4')	Soluble	Solid	300.0	63548
880-33783-22	T-5 (0-1')	Soluble	Solid	300.0	63548
880-33783-23	T-5 (1.5')	Soluble	Solid	300.0	63548
880-33783-24	T-5 (2')	Soluble	Solid	300.0	63548
880-33783-25	T-5 (3')	Soluble	Solid	300.0	63548
880-33783-26	T-5 (4')	Soluble	Solid	300.0	63548
880-33783-27	T-6 (0-1')	Soluble	Solid	300.0	63548
880-33783-28	T-6 (1.5')	Soluble	Solid	300.0	63548
880-33783-29	T-6 (2')	Soluble	Solid	300.0	63548
880-33783-30	T-6 (3')	Soluble	Solid	300.0	63548
880-33783-31	T-6 (4')	Soluble	Solid	300.0	63548
MB 880-63548/1-A	Method Blank	Soluble	Solid	300.0	63548
LCS 880-63548/2-A	Lab Control Sample	Soluble	Solid	300.0	63548
LCSD 880-63548/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	63548
880-33783-12 MS	T-3 (0-1')	Soluble	Solid	300.0	63548
880-33783-12 MSD	T-3 (0-1')	Soluble	Solid	300.0	63548
880-33783-22 MS	T-5 (0-1')	Soluble	Solid	300.0	63548
880-33783-22 MSD	T-5 (0-1')	Soluble	Solid	300.0	63548

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (0-1')
Date Collected: 09/27/23 00:00
Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	63560	09/28/23 17:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63582	10/01/23 07:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63807	10/01/23 07:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			63746	09/30/23 03:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	63585	09/29/23 08:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/30/23 03:52	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	63546	09/28/23 15:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63664	10/02/23 10:09	CH	EET MID

Client Sample ID: T-1 (1.5')
Date Collected: 09/27/23 00:00
Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	63670	09/29/23 16:40	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	63715	10/02/23 14:52	MNR	EET MID
Total/NA	Prep	5035			5.01 g	5 mL	63560	09/28/23 17:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63582	10/01/23 07:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63807	10/02/23 14:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			63746	09/30/23 04:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	63585	09/29/23 08:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/30/23 04:57	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	63546	09/28/23 15:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63664	10/02/23 10:15	CH	EET MID

Client Sample ID: T-1 (2')
Date Collected: 09/27/23 00:00
Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	63560	09/28/23 17:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63582	10/01/23 07:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63807	10/01/23 07:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			63746	09/29/23 23:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	63585	09/29/23 08:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/29/23 23:03	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	63546	09/28/23 15:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63664	10/02/23 10:32	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-1 (3')
Date Collected: 09/27/23 00:00
Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	63560	09/28/23 17:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63582	10/01/23 08:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63807	10/01/23 08:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			63746	09/29/23 23:25	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	63585	09/29/23 08:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/29/23 23:25	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	63546	09/28/23 15:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63664	10/02/23 10:38	CH	EET MID

Client Sample ID: T-1 (4')
Date Collected: 09/27/23 00:00
Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	63560	09/28/23 17:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63582	10/01/23 08:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63807	10/01/23 08:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			63746	09/29/23 23:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	63585	09/29/23 08:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/29/23 23:48	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	63546	09/28/23 15:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63664	10/02/23 10:56	CH	EET MID

Client Sample ID: T-1 (5')
Date Collected: 09/27/23 00:00
Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	63560	09/28/23 17:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63582	10/01/23 08:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63807	10/01/23 08:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			63746	09/30/23 00:10	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	63585	09/29/23 08:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/30/23 00:10	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	63546	09/28/23 15:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63664	10/02/23 11:02	CH	EET MID

Client Sample ID: T-2 (0-1')
Date Collected: 09/27/23 00:00
Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-7
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	63560	09/28/23 17:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63582	10/01/23 09:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63807	10/01/23 09:14	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (0-1')
Date Collected: 09/27/23 00:00
Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-7
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			63746	09/30/23 00:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	63585	09/29/23 08:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/30/23 00:32	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	63546	09/28/23 15:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63664	10/02/23 11:07	CH	EET MID

Client Sample ID: T-2 (1.5')
Date Collected: 09/27/23 00:00
Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	63560	09/28/23 17:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63582	10/01/23 09:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63807	10/01/23 09:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			63746	09/30/23 00:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	63585	09/29/23 08:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/30/23 00:55	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	63546	09/28/23 15:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63664	10/02/23 11:13	CH	EET MID

Client Sample ID: T-2 (2')
Date Collected: 09/27/23 00:00
Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	63560	09/28/23 17:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63582	10/01/23 09:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63807	10/01/23 09:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			63746	09/30/23 01:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	63585	09/29/23 08:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/30/23 01:39	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	63546	09/28/23 15:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63664	10/02/23 11:19	CH	EET MID

Client Sample ID: T-2 (3')
Date Collected: 09/27/23 00:00
Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	63560	09/28/23 17:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63582	10/01/23 10:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63807	10/01/23 10:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			63746	09/30/23 02:01	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	63585	09/29/23 08:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/30/23 02:01	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-2 (3')

Date Collected: 09/27/23 00:00

Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	63546	09/28/23 15:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63664	10/02/23 11:25	CH	EET MID

Client Sample ID: T-2 (4')

Date Collected: 09/27/23 00:00

Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	63560	09/28/23 17:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63582	10/01/23 11:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63807	10/01/23 11:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			63746	09/30/23 04:36	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	63585	09/29/23 08:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/30/23 04:36	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	63546	09/28/23 15:41	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63664	10/02/23 11:31	CH	EET MID

Client Sample ID: T-3 (0-1')

Date Collected: 09/27/23 00:00

Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	63670	09/29/23 16:40	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	63715	10/02/23 15:12	MNR	EET MID
Total/NA	Prep	5035			4.99 g	5 mL	63560	09/28/23 17:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63582	10/01/23 12:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63807	10/02/23 15:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			63746	09/30/23 04:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	63585	09/29/23 08:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/30/23 04:14	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	63548	09/28/23 15:42	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63757	10/02/23 09:17	CH	EET MID

Client Sample ID: T-3 (1.5')

Date Collected: 09/27/23 00:00

Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	63560	09/28/23 17:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63582	10/01/23 12:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63807	10/01/23 12:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			63746	09/30/23 02:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	63585	09/29/23 08:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/30/23 02:23	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-3 (1.5')
Date Collected: 09/27/23 00:00
Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	63548	09/28/23 15:42	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63757	10/02/23 09:37	CH	EET MID

Client Sample ID: T-3 (2')
Date Collected: 09/27/23 00:00
Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	63560	09/28/23 17:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63582	10/01/23 12:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63807	10/01/23 12:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			63746	09/30/23 02:45	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	63585	09/29/23 08:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/30/23 02:45	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	63548	09/28/23 15:42	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63757	10/02/23 09:44	CH	EET MID

Client Sample ID: T-3 (3')
Date Collected: 09/27/23 00:00
Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-15
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			5.01 g	5 mL	63560	09/28/23 17:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63582	10/01/23 13:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63807	10/01/23 13:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			63746	09/30/23 03:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	63585	09/29/23 08:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/30/23 03:08	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	63548	09/28/23 15:42	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63757	10/02/23 09:51	CH	EET MID

Client Sample ID: T-3 (4')
Date Collected: 09/27/23 00:00
Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-16
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			4.99 g	5 mL	63560	09/28/23 17:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63582	10/01/23 13:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63807	10/01/23 13:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			63746	09/30/23 03:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	63585	09/29/23 08:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63577	09/30/23 03:30	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	63548	09/28/23 15:42	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63757	10/02/23 09:57	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-4 (0-1')

Date Collected: 09/27/23 00:00

Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	63560	09/28/23 17:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63582	10/01/23 13:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63807	10/01/23 13:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			63746	09/29/23 21:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	63587	09/29/23 08:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63579	09/29/23 21:57	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	63548	09/28/23 15:42	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63757	10/02/23 10:17	CH	EET MID

Client Sample ID: T-4 (1.5')

Date Collected: 09/27/23 00:00

Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	63560	09/28/23 17:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63582	10/01/23 14:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63807	10/01/23 14:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			63746	09/29/23 20:51	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	63587	09/29/23 08:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63579	09/29/23 20:51	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	63548	09/28/23 15:42	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63757	10/02/23 10:24	CH	EET MID

Client Sample ID: T-4 (2')

Date Collected: 09/27/23 00:00

Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	63560	09/28/23 17:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63582	10/01/23 14:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63807	10/01/23 14:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			63746	09/29/23 22:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	63587	09/29/23 08:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63579	09/29/23 22:18	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	63548	09/28/23 15:42	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63757	10/02/23 10:30	CH	EET MID

Client Sample ID: T-4 (3')

Date Collected: 09/27/23 00:00

Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-20

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	63560	09/28/23 17:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63582	10/01/23 14:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63807	10/01/23 14:46	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-4 (3')

Date Collected: 09/27/23 00:00

Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-20

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			63746	09/29/23 22:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	63587	09/29/23 08:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63579	09/29/23 22:41	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	63548	09/28/23 15:42	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63757	10/02/23 10:37	CH	EET MID

Client Sample ID: T-4 (4')

Date Collected: 09/27/23 00:00

Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-21

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			5.03 g	5 mL	63561	09/28/23 17:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63582	09/29/23 23:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63807	09/29/23 23:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			63746	09/29/23 23:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	63587	09/29/23 08:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63579	09/29/23 23:03	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	63548	09/28/23 15:42	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63757	10/02/23 10:44	CH	EET MID

Client Sample ID: T-5 (0-1')

Date Collected: 09/27/23 00:00

Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-22

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	63561	09/28/23 17:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63582	09/29/23 23:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63807	09/29/23 23:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			63746	09/29/23 23:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	63587	09/29/23 08:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63579	09/29/23 23:25	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	63548	09/28/23 15:42	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63757	10/02/23 10:50	CH	EET MID

Client Sample ID: T-5 (1.5')

Date Collected: 09/27/23 00:00

Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-23

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	63670	09/29/23 16:40	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	63715	10/02/23 15:33	MNR	EET MID
Total/NA	Prep	5035			4.99 g	5 mL	63561	09/28/23 17:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63582	09/30/23 00:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63807	10/02/23 15:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			63746	09/29/23 23:48	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-5 (1.5')
Date Collected: 09/27/23 00:00
Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	63587	09/29/23 08:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63579	09/29/23 23:48	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	63548	09/28/23 15:42	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63757	10/02/23 11:10	CH	EET MID

Client Sample ID: T-5 (2')
Date Collected: 09/27/23 00:00
Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-24
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	63561	09/28/23 17:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63582	09/30/23 00:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63807	09/30/23 00:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			63746	09/30/23 00:10	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	63587	09/29/23 08:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63579	09/30/23 00:10	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	63548	09/28/23 15:42	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63757	10/02/23 11:17	CH	EET MID

Client Sample ID: T-5 (3')
Date Collected: 09/27/23 00:00
Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	63561	09/28/23 17:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63582	09/30/23 00:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63807	09/30/23 00:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			63746	09/30/23 00:32	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	63587	09/29/23 08:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63579	09/30/23 00:32	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	63548	09/28/23 15:42	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63757	10/02/23 11:37	CH	EET MID

Client Sample ID: T-5 (4')
Date Collected: 09/27/23 00:00
Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	63561	09/28/23 17:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63582	09/30/23 01:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63807	09/30/23 01:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			63746	09/30/23 00:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	63587	09/29/23 08:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63579	09/30/23 00:55	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-5 (4')

Date Collected: 09/27/23 00:00

Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-26

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	63548	09/28/23 15:42	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63757	10/02/23 11:43	CH	EET MID

Client Sample ID: T-6 (0-1')

Date Collected: 09/27/23 00:00

Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	63561	09/28/23 17:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63582	09/30/23 01:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63807	09/30/23 01:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			63746	09/30/23 01:39	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	63587	09/29/23 08:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63579	09/30/23 01:39	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	63548	09/28/23 15:42	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63757	10/02/23 11:50	CH	EET MID

Client Sample ID: T-6 (1.5')

Date Collected: 09/27/23 00:00

Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-28

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	63561	09/28/23 17:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63582	09/30/23 01:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63807	09/30/23 01:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			63746	09/30/23 02:01	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	63587	09/29/23 08:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63579	09/30/23 02:01	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	63548	09/28/23 15:42	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63757	10/02/23 11:57	CH	EET MID

Client Sample ID: T-6 (2')

Date Collected: 09/27/23 00:00

Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-29

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	63561	09/28/23 17:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63582	09/30/23 02:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63807	09/30/23 02:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			63746	09/30/23 02:23	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	63587	09/29/23 08:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63579	09/30/23 02:23	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	63548	09/28/23 15:42	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63757	10/02/23 12:03	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-6 (3')

Lab Sample ID: 880-33783-30

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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	63561	09/28/23 17:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63582	09/30/23 02:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63807	09/30/23 02:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			63746	09/30/23 02:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	63587	09/29/23 08:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63579	09/30/23 02:45	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	63548	09/28/23 15:42	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63757	10/02/23 12:10	CH	EET MID

Client Sample ID: T-6 (4')

Lab Sample ID: 880-33783-31

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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	63561	09/28/23 17:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63582	09/30/23 03:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63807	09/30/23 03:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			63746	09/30/23 03:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	63587	09/29/23 08:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63579	09/30/23 03:08	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	63548	09/28/23 15:42	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63757	10/02/23 12:16	CH	EET MID

Client Sample ID: T-7 (0-1')

Lab Sample ID: 880-33783-32

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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	63561	09/28/23 17:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63582	09/30/23 04:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63807	09/30/23 04:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			63746	09/30/23 03:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	63587	09/29/23 08:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63579	09/30/23 03:30	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	63637	09/29/23 12:22	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63662	09/29/23 18:18	CH	EET MID

Client Sample ID: T-7 (1.5')

Lab Sample ID: 880-33783-33

Date Collected: 09/27/23 00:00

Matrix: Solid

Date Received: 09/28/23 14:36

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	63561	09/28/23 17:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63582	09/30/23 04:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63807	09/30/23 04:38	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-7 (1.5')
Date Collected: 09/27/23 00:00
Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-33
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			63746	09/30/23 03:52	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	63587	09/29/23 08:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63579	09/30/23 03:52	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	63637	09/29/23 12:22	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63662	09/29/23 18:24	CH	EET MID

Client Sample ID: T-7 (2')
Date Collected: 09/27/23 00:00
Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-34
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			4.98 g	5 mL	63561	09/28/23 17:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63582	09/30/23 04:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63807	09/30/23 04:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			63746	09/30/23 04:14	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	63587	09/29/23 08:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63579	09/30/23 04:14	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	63637	09/29/23 12:22	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63662	09/29/23 18:31	CH	EET MID

Client Sample ID: T-7 (3')
Date Collected: 09/27/23 00:00
Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-35
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	63561	09/28/23 17:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63582	09/30/23 05:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63807	09/30/23 05:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			63746	09/30/23 04:36	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	63587	09/29/23 08:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63579	09/30/23 04:36	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	63637	09/29/23 12:22	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63662	09/29/23 18:38	CH	EET MID

Client Sample ID: T-7 (4')
Date Collected: 09/27/23 00:00
Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-36
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	63561	09/28/23 17:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63582	09/30/23 05:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63807	09/30/23 05:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			63746	09/30/23 04:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	63587	09/29/23 08:58	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63579	09/30/23 04:57	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Client Sample ID: T-7 (4')
Date Collected: 09/27/23 00:00
Date Received: 09/28/23 14:36

Lab Sample ID: 880-33783-36
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	63637	09/29/23 12:22	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63662	09/29/23 18:44	CH	EET MID

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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Method Summary

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-33783-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-33783-1	T-1 (0-1')	Solid	09/27/23 00:00	09/28/23 14:36
880-33783-2	T-1 (1.5')	Solid	09/27/23 00:00	09/28/23 14:36
880-33783-3	T-1 (2')	Solid	09/27/23 00:00	09/28/23 14:36
880-33783-4	T-1 (3')	Solid	09/27/23 00:00	09/28/23 14:36
880-33783-5	T-1 (4')	Solid	09/27/23 00:00	09/28/23 14:36
880-33783-6	T-1 (5')	Solid	09/27/23 00:00	09/28/23 14:36
880-33783-7	T-2 (0-1')	Solid	09/27/23 00:00	09/28/23 14:36
880-33783-8	T-2 (1.5')	Solid	09/27/23 00:00	09/28/23 14:36
880-33783-9	T-2 (2')	Solid	09/27/23 00:00	09/28/23 14:36
880-33783-10	T-2 (3')	Solid	09/27/23 00:00	09/28/23 14:36
880-33783-11	T-2 (4')	Solid	09/27/23 00:00	09/28/23 14:36
880-33783-12	T-3 (0-1')	Solid	09/27/23 00:00	09/28/23 14:36
880-33783-13	T-3 (1.5')	Solid	09/27/23 00:00	09/28/23 14:36
880-33783-14	T-3 (2')	Solid	09/27/23 00:00	09/28/23 14:36
880-33783-15	T-3 (3')	Solid	09/27/23 00:00	09/28/23 14:36
880-33783-16	T-3 (4')	Solid	09/27/23 00:00	09/28/23 14:36
880-33783-17	T-4 (0-1')	Solid	09/27/23 00:00	09/28/23 14:36
880-33783-18	T-4 (1.5')	Solid	09/27/23 00:00	09/28/23 14:36
880-33783-19	T-4 (2')	Solid	09/27/23 00:00	09/28/23 14:36
880-33783-20	T-4 (3')	Solid	09/27/23 00:00	09/28/23 14:36
880-33783-21	T-4 (4')	Solid	09/27/23 00:00	09/28/23 14:36
880-33783-22	T-5 (0-1')	Solid	09/27/23 00:00	09/28/23 14:36
880-33783-23	T-5 (1.5')	Solid	09/27/23 00:00	09/28/23 14:36
880-33783-24	T-5 (2')	Solid	09/27/23 00:00	09/28/23 14:36
880-33783-25	T-5 (3')	Solid	09/27/23 00:00	09/28/23 14:36
880-33783-26	T-5 (4')	Solid	09/27/23 00:00	09/28/23 14:36
880-33783-27	T-6 (0-1')	Solid	09/27/23 00:00	09/28/23 14:36
880-33783-28	T-6 (1.5')	Solid	09/27/23 00:00	09/28/23 14:36
880-33783-29	T-6 (2')	Solid	09/27/23 00:00	09/28/23 14:36
880-33783-30	T-6 (3')	Solid	09/27/23 00:00	09/28/23 14:36
880-33783-31	T-6 (4')	Solid	09/27/23 00:00	09/28/23 14:36
880-33783-32	T-7 (0-1')	Solid	09/27/23 00:00	09/28/23 14:36
880-33783-33	T-7 (1.5')	Solid	09/27/23 00:00	09/28/23 14:36
880-33783-34	T-7 (2')	Solid	09/27/23 00:00	09/28/23 14:36
880-33783-35	T-7 (3')	Solid	09/27/23 00:00	09/28/23 14:36
880-33783-36	T-7 (4')	Solid	09/27/23 00:00	09/28/23 14:36

Chain of Custody

W



880-33783 Chain of Custody

10/3/2023

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

Page 1 of 4	
Work Order Comments	
Program UST/PST	PRP ☐ Brownfields ☐ RC ☐ Perturb ☐
State of Project:	
Reporting Level II	☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables EDD	☐ ADAPT ☐ Other

Project Name	SRO State Com 53H (04 20 23)	Turn Around	☐ Routine ☒ Rush	Due Date	72 Hrs	Pres. Code		ANALYSIS REQUEST												Preservative Codes	
Project Number	2093																	None NO	DI Water H ₂ O		
Project Location	Eddy County, New Mexico																	Cool Cool	MeOH Me		
Sampler's Name	JM																	HCL HC	HNO ₃ HN		
PO #																		H ₂ SO ₄ H ₂	NaOH Na		
SAMPLE RECEIPT	Temp Blank	Yes (No)	Wet Ice	Yes (No)														H ₃ PO ₄ HP			
	Received Intact	Yes (No)	Thermometer ID															NaHSO ₄ NABIS			
	Cooler Custody Seals	Yes (No)	Correction Factor															Na ₂ S ₂ O ₃ NaSO ₃			
	Sample Custody Seals	Yes (No)	Temperature Reading															Zn Acetate+NaOH Zn			
Total Containers			Corrected Temperature															NaOH+Ascorbic Acid SAPC			
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments		
T-1 (0-1')	9/27/2023		X		G	1	X	X	X												
T-1 (1-5')	9/27/2023		X		G	1	X	X	X												
T-1 (2')	9/27/2023		X		G	1	X	X	X												
T-1 (3')	9/27/2023		X		G	1	X	X	X												
T-1 (4')	9/27/2023		X		G	1	X	X	X												
T-1 (5')	9/27/2023		X		G	1	X	X	X												
T-2 (0-1')	9/27/2023		X		G	1	X	X	X												
T-2 (1-5')	9/27/2023		X		G	1	X	X	X												
T-2 (2')	9/27/2023		X		G	1	X	X	X												
T-2 (3')	9/27/2023		X		G	1	X	X	X												

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

Relinquished by (Signature)		Date/Time	Received by (Signature)		Date/Time
		9/28/23			
		11430			

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Custody of Custody

Work Order No: 33783

Page 2 of 4

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

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

Project Name:		SRO State Com 53H (04 20 23)		Turn Around			ANALYSIS REQUEST												Preservative Codes						
Project Number	2093	☐ Routine	☒ Rush															None	NO	DI Water	H ₂ O				
Project Location	Eddy County, New Mexico	Due Date	72 Hrs															Cool	Cool	MeOH	Me				
Sampler's Name	JM																	HCL	HC	HNO ₃	HN				
PO #																		H ₂ SO ₄	H ₂	NaOH	Na				
SAMPLE RECEIPT		Temp Blank.	Yes	No	Thermometer ID	Yes	No	Wet Ice	Yes	No	Parameters														
Received Intact:		Yes	No																						
Cooler Custody Seals.		Yes	No	N/A	Correction Factor																				
Sample Custody Seals.		Yes	No	N/A	Temperature Reading																				
Total Containers						Corrected Temperature																			
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments					
T-2 (4')		9/27/2023		X		G	1	X	X	X															
T-3 (0-1')		9/27/2023		X		G	1	X	X	X															
T-3 (1 5')		9/27/2023		X		G	1	X	X	X															
T-3 (2')		9/27/2023		X		G	1	X	X	X															
T-3 (3')		9/27/2023		X		G	1	X	X	X															
T-3 (4')		9/27/2023		X		G	1	X	X	X															
T-4 (0-1')		9/27/2023		X		G	1	X	X	X															
T-4 (1 5')		9/27/2023		X		G	1	X	X	X															
T-4 (2')		9/27/2023		X		G	1	X	X	X															
T-4 (3')		9/27/2023		X		G	1	X	X	X															
Comments: Email to: ARL@comcast.net																									

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	9/28/23 1430		

Chain of Custody

Work Order No: 33783

Page 3 of 4

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

Work Order Comments	
Program UST/PST	☐ PRP ☐ Brownfields ☐ RC ☐ Iperfund
State of Project:	
Reporting Level II	☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables EDD	☐ ADaPT ☐ Other

Project Name:		SRO State Com 53H (04 20 23)			Turn Around			Pres. Code	ANALYSIS REQUEST										Preservative Codes	
Project Number	2093				☐ Routine	☒ Rush											None NO	DI Water H ₂ O		
Project Location	Eddy County, New Mexico				Due Date	72 Hrs											Cool Cool	MeOH Me		
Sampler's Name	JM																HCL HC	HNO ₃ HN		
PO #:																	H ₂ SO ₄ H ₂	NaOH Na		
SAMPLE RECEIPT		Temp Blank	Yes No	Thermometer ID	Yes No	Well Ice	Yes No	Parameters												
Received Intact:		Yes No	Correction Factor					BTX 8021B												
Cooler Custody Seals:		Yes No N/A	Temperature Reading					TPH 8015M (GRO + DRO + MRO)												
Sample Custody Seals:		Yes No N/A	Corrected Temperature					Chloride 300 0												
Total Containers																				
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments		
T-4 (4')		9/27/2023		X		G	1	X	X	X										
T-5 (0-1')		9/27/2023		X		G	1	X	X	X										
T-5 (1 5')		9/27/2023		X		G	1	X	X	X										
T-5 (2')		9/27/2023		X		G	1	X	X	X										
T-5 (3')		9/27/2023		X		G	1	X	X	X										
T-5 (4')		9/27/2023		X		G	1	X	X	X										
T-6 (0-1')		9/27/2023		X		G	1	X	X	X										
T-6 (1 5')		9/27/2023		X		G	1	X	X	X										
T-6 (2')		9/27/2023		X		G	1	X	X	X										
T-6 (3')		9/27/2023		X		G	1	X	X	X										

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

Relinquished by (Signature)		Date/Time	Received by (Signature)		Date/Time
		9/28/23			
		1430			

Loc: 880
33783
Work Order No: _____

10/3/2023

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

Work Order Comments	
Program	UST/PT ☐ PRP ☐ Brownfields ☐ RC ☐ perfund ☐
State of Project:	
Reporting Level II	☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables	EDD ☐ ADAPT ☐ Other

[illegible]

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

Relinquished by (Signature)		Date/Time	Received by (Signature)		Date/Time
		9/28/23 1436			

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-33783-1

SDG Number: Eddy County, New Mexico

Login Number: 33783

List Number: 1

List Source: Eurofins Midland

Creator: Rodriguez, Leticia

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/13/2023 4:00:10 PM

JOB DESCRIPTION

SRO State Com 53H (04.20.23)
SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-35634-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701



Eurofins Midland

Job Notes

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

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

Authorization



Generated
11/13/2023 4:00:10 PM

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

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Laboratory Job ID: 880-35634-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Job ID: 880-35634-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-35634-1

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

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

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

Receipt

The samples were received on 11/10/2023 1:35 PM. 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 3.2°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (5.5') (880-35634-1), CS-2 (4.5') (880-35634-2), CS-3 (4.5') (880-35634-3), CS-4 (4.5') (880-35634-4), CS-5 (4.5') (880-35634-5), CS-6 (4.5') (880-35634-6), CS-7 (4.5') (880-35634-7), CS-8 (4.5') (880-35634-8), CS-9 (3.0') (880-35634-9), CS-10 (1.5') (880-35634-10), SW-1 (5.5') (880-35634-11), SW-2 (5.5') (880-35634-12), SW-3 (5.5') (880-35634-13), SW-4 (1.0') (880-35634-14), SW-5 (4.5') (880-35634-15), SW-6 (4.5') (880-35634-16), SW-7 (4.5') (880-35634-17), SW-8 (4.5') (880-35634-18), SW-9 (4.5') (880-35634-19), SW-10 (4.5') (880-35634-20), SW-11 (4.5') (880-35634-21), SW-12 (4.5') (880-35634-22), SW-13 (3.0') (880-35634-23), SW-14 (4.5') (880-35634-24), SW-15 (4.5') (880-35634-25), SW-16 (1.5') (880-35634-26), SW-17 (4.5') (880-35634-27), SW-18 (3.0') (880-35634-28), SW-19 (3.0') (880-35634-29), SW-20 (3.0') (880-35634-30), SW-21 (1.5') (880-35634-31), SW-22 (1.5') (880-35634-32) and SW-23 (1.5') (880-35634-33).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-66606 and 880-66737 and analytical batch 880-66684 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: SW-22 (1.5') (880-35634-32). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: SW-13 (3.0') (880-35634-23). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-66778 and analytical batch 880-66788 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: CS-6 (4.5') (880-35634-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW-11 (4.5') (880-35634-21) and SW-13 (3.0') (880-35634-23). 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

Case Narrative

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Job ID: 880-35634-1 (Continued)

Laboratory: Eurofins Midland (Continued)

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

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (5.5')
Date Collected: 11/09/23 00:00
Date Received: 11/10/23 13:35

Lab Sample ID: 880-35634-1
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/23 14:57	11/11/23 01:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/23 14:57	11/11/23 01:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/23 14:57	11/11/23 01:27	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/23 14:57	11/11/23 01:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/23 14:57	11/11/23 01:27	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/23 14:57	11/11/23 01:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				11/10/23 14:57	11/11/23 01:27	1
1,4-Difluorobenzene (Surr)	105		70 - 130				11/10/23 14:57	11/11/23 01:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/11/23 01:27	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	54.6		49.6		mg/Kg			11/12/23 12:19	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		11/11/23 20:57	11/12/23 12:19	1
Diesel Range Organics (Over C10-C28)	54.6		49.6		mg/Kg		11/11/23 20:57	11/12/23 12:19	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/11/23 20:57	11/12/23 12:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				11/11/23 20:57	11/12/23 12:19	1
o-Terphenyl	104		70 - 130				11/11/23 20:57	11/12/23 12:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70.4		5.05		mg/Kg			11/11/23 01:50	1

Client Sample ID: CS-2 (4.5')
Date Collected: 11/09/23 00:00
Date Received: 11/10/23 13:35

Lab Sample ID: 880-35634-2
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/23 14:57	11/11/23 01:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/23 14:57	11/11/23 01:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/23 14:57	11/11/23 01:48	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/10/23 14:57	11/11/23 01:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/23 14:57	11/11/23 01:48	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/10/23 14:57	11/11/23 01:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				11/10/23 14:57	11/11/23 01:48	1
1,4-Difluorobenzene (Surr)	116		70 - 130				11/10/23 14:57	11/11/23 01:48	1

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-2 (4.5')

Lab Sample ID: 880-35634-2

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/11/23 01:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	56.6		50.5		mg/Kg			11/12/23 13:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		11/11/23 20:57	11/12/23 13:28	1
Diesel Range Organics (Over C10-C28)	56.6		50.5		mg/Kg		11/11/23 20:57	11/12/23 13:28	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		11/11/23 20:57	11/12/23 13:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				11/11/23 20:57	11/12/23 13:28	1
o-Terphenyl	126		70 - 130				11/11/23 20:57	11/12/23 13:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66.6		5.04		mg/Kg			11/11/23 01:56	1

Client Sample ID: CS-3 (4.5')

Lab Sample ID: 880-35634-3

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/10/23 14:57	11/11/23 02:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/10/23 14:57	11/11/23 02:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/10/23 14:57	11/11/23 02:08	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/10/23 14:57	11/11/23 02:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/10/23 14:57	11/11/23 02:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/10/23 14:57	11/11/23 02:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				11/10/23 14:57	11/11/23 02:08	1
1,4-Difluorobenzene (Surr)	116		70 - 130				11/10/23 14:57	11/11/23 02:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/11/23 02:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	92.8		49.7		mg/Kg			11/12/23 16:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		11/11/23 20:57	11/12/23 16:03	1
Diesel Range Organics (Over C10-C28)	92.8		49.7		mg/Kg		11/11/23 20:57	11/12/23 16:03	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-3 (4.5')

Lab Sample ID: 880-35634-3

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/11/23 20:57	11/12/23 16:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				11/11/23 20:57	11/12/23 16:03	1
o-Terphenyl	117		70 - 130				11/11/23 20:57	11/12/23 16:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.0		5.05		mg/Kg			11/11/23 12:50	1

Client Sample ID: CS-4 (4.5')

Lab Sample ID: 880-35634-4

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/10/23 14:57	11/11/23 02:29	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/10/23 14:57	11/11/23 02:29	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/10/23 14:57	11/11/23 02:29	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/10/23 14:57	11/11/23 02:29	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/10/23 14:57	11/11/23 02:29	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/10/23 14:57	11/11/23 02:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				11/10/23 14:57	11/11/23 02:29	1
1,4-Difluorobenzene (Surr)	116		70 - 130				11/10/23 14:57	11/11/23 02:29	1

Method: TAL SOP 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			11/11/23 02:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	53.1		49.9		mg/Kg			11/12/23 16:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/11/23 20:57	11/12/23 16:24	1
Diesel Range Organics (Over C10-C28)	53.1		49.9		mg/Kg		11/11/23 20:57	11/12/23 16:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/11/23 20:57	11/12/23 16:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				11/11/23 20:57	11/12/23 16:24	1
o-Terphenyl	123		70 - 130				11/11/23 20:57	11/12/23 16:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.8		5.02		mg/Kg			11/11/23 13:07	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-5 (4.5')

Lab Sample ID: 880-35634-5

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/10/23 14:57	11/11/23 02:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/23 14:57	11/11/23 02:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/23 14:57	11/11/23 02:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/23 14:57	11/11/23 02:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/23 14:57	11/11/23 02:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/23 14:57	11/11/23 02:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				11/10/23 14:57	11/11/23 02:49	1
1,4-Difluorobenzene (Surr)	116		70 - 130				11/10/23 14:57	11/11/23 02:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/11/23 02:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	61.7		49.6		mg/Kg			11/12/23 16:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		11/11/23 20:57	11/12/23 16:47	1
Diesel Range Organics (Over C10-C28)	61.7		49.6		mg/Kg		11/11/23 20:57	11/12/23 16:47	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/11/23 20:57	11/12/23 16:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				11/11/23 20:57	11/12/23 16:47	1
o-Terphenyl	126		70 - 130				11/11/23 20:57	11/12/23 16:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57.5		5.04		mg/Kg			11/11/23 13:13	1

Client Sample ID: CS-6 (4.5')

Lab Sample ID: 880-35634-6

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/10/23 14:57	11/11/23 03:10	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/10/23 14:57	11/11/23 03:10	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/10/23 14:57	11/11/23 03:10	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/10/23 14:57	11/11/23 03:10	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/10/23 14:57	11/11/23 03:10	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/10/23 14:57	11/11/23 03:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				11/10/23 14:57	11/11/23 03:10	1
1,4-Difluorobenzene (Surr)	109		70 - 130				11/10/23 14:57	11/11/23 03:10	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-6 (4.5')

Lab Sample ID: 880-35634-6

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/11/23 03:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	55.1		50.0		mg/Kg			11/12/23 17:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/11/23 20:57	11/12/23 17:09	1
Diesel Range Organics (Over C10-C28)	55.1		50.0		mg/Kg		11/11/23 20:57	11/12/23 17:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/11/23 20:57	11/12/23 17:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130				11/11/23 20:57	11/12/23 17:09	1
o-Terphenyl	136	S1+	70 - 130				11/11/23 20:57	11/12/23 17:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.9		4.99		mg/Kg			11/11/23 13:19	1

Client Sample ID: CS-7 (4.5')

Lab Sample ID: 880-35634-7

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/10/23 14:57	11/11/23 03:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/23 14:57	11/11/23 03:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/23 14:57	11/11/23 03:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/23 14:57	11/11/23 03:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/23 14:57	11/11/23 03:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/23 14:57	11/11/23 03:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				11/10/23 14:57	11/11/23 03:30	1
1,4-Difluorobenzene (Surr)	115		70 - 130				11/10/23 14:57	11/11/23 03:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/11/23 03:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.5		50.3		mg/Kg			11/12/23 17:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		11/11/23 20:57	11/12/23 17:32	1
Diesel Range Organics (Over C10-C28)	52.5		50.3		mg/Kg		11/11/23 20:57	11/12/23 17:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-7 (4.5')

Lab Sample ID: 880-35634-7

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		11/11/23 20:57	11/12/23 17:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				11/11/23 20:57	11/12/23 17:32	1
o-Terphenyl	122		70 - 130				11/11/23 20:57	11/12/23 17:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.9		4.98		mg/Kg			11/11/23 13:24	1

Client Sample ID: CS-8 (4.5')

Lab Sample ID: 880-35634-8

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/23 14:57	11/11/23 03:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/23 14:57	11/11/23 03:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/23 14:57	11/11/23 03:50	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/23 14:57	11/11/23 03:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/23 14:57	11/11/23 03:50	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/23 14:57	11/11/23 03:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				11/10/23 14:57	11/11/23 03:50	1
1,4-Difluorobenzene (Surr)	113		70 - 130				11/10/23 14:57	11/11/23 03:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/11/23 03:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			11/12/23 17:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		11/11/23 20:57	11/12/23 17:55	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		11/11/23 20:57	11/12/23 17:55	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		11/11/23 20:57	11/12/23 17:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				11/11/23 20:57	11/12/23 17:55	1
o-Terphenyl	93		70 - 130				11/11/23 20:57	11/12/23 17:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.8		5.02		mg/Kg			11/11/23 13:41	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-9 (3.0')

Lab Sample ID: 880-35634-9

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/10/23 14:57	11/11/23 04:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/10/23 14:57	11/11/23 04:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/10/23 14:57	11/11/23 04:11	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/10/23 14:57	11/11/23 04:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/10/23 14:57	11/11/23 04:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/10/23 14:57	11/11/23 04:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	11/10/23 14:57	11/11/23 04:11	1
1,4-Difluorobenzene (Surr)	119		70 - 130	11/10/23 14:57	11/11/23 04:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/11/23 04:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	53.1		50.2		mg/Kg			11/12/23 18:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		11/11/23 20:57	11/12/23 18:18	1
Diesel Range Organics (Over C10-C28)	53.1		50.2		mg/Kg		11/11/23 20:57	11/12/23 18:18	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		11/11/23 20:57	11/12/23 18:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	11/11/23 20:57	11/12/23 18:18	1
o-Terphenyl	120		70 - 130	11/11/23 20:57	11/12/23 18:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.0		4.97		mg/Kg			11/11/23 13:47	1

Client Sample ID: CS-10 (1.5')

Lab Sample ID: 880-35634-10

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/23 14:57	11/11/23 04:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/23 14:57	11/11/23 04:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/23 14:57	11/11/23 04:32	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/10/23 14:57	11/11/23 04:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/23 14:57	11/11/23 04:32	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/10/23 14:57	11/11/23 04:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	11/10/23 14:57	11/11/23 04:32	1
1,4-Difluorobenzene (Surr)	115		70 - 130	11/10/23 14:57	11/11/23 04:32	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-10 (1.5')

Lab Sample ID: 880-35634-10

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/11/23 04:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/12/23 18:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/11/23 20:57	11/12/23 18:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/11/23 20:57	11/12/23 18:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/11/23 20:57	11/12/23 18:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				11/11/23 20:57	11/12/23 18:40	1
o-Terphenyl	118		70 - 130				11/11/23 20:57	11/12/23 18:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.9		4.96		mg/Kg			11/11/23 13:53	1

Client Sample ID: SW-1 (5.5')

Lab Sample ID: 880-35634-11

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/10/23 14:57	11/11/23 06:22	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/10/23 14:57	11/11/23 06:22	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/10/23 14:57	11/11/23 06:22	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/10/23 14:57	11/11/23 06:22	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/10/23 14:57	11/11/23 06:22	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/10/23 14:57	11/11/23 06:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				11/10/23 14:57	11/11/23 06:22	1
1,4-Difluorobenzene (Surr)	102		70 - 130				11/10/23 14:57	11/11/23 06:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/11/23 06:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	61.5		49.8		mg/Kg			11/12/23 19:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/11/23 20:57	11/12/23 19:25	1
Diesel Range Organics (Over C10-C28)	61.5		49.8		mg/Kg		11/11/23 20:57	11/12/23 19:25	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-1 (5.5')

Lab Sample ID: 880-35634-11

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/11/23 20:57	11/12/23 19:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				11/11/23 20:57	11/12/23 19:25	1
o-Terphenyl	128		70 - 130				11/11/23 20:57	11/12/23 19:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57.3		5.00		mg/Kg			11/11/23 13:58	1

Client Sample ID: SW-2 (5.5')

Lab Sample ID: 880-35634-12

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/10/23 14:57	11/11/23 06:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/23 14:57	11/11/23 06:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/23 14:57	11/11/23 06:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/23 14:57	11/11/23 06:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/23 14:57	11/11/23 06:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/23 14:57	11/11/23 06:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				11/10/23 14:57	11/11/23 06:42	1
1,4-Difluorobenzene (Surr)	116		70 - 130				11/10/23 14:57	11/11/23 06:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/11/23 06:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.6		49.9		mg/Kg			11/12/23 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/11/23 20:57	11/12/23 19:48	1
Diesel Range Organics (Over C10-C28)	52.6		49.9		mg/Kg		11/11/23 20:57	11/12/23 19:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/11/23 20:57	11/12/23 19:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				11/11/23 20:57	11/12/23 19:48	1
o-Terphenyl	106		70 - 130				11/11/23 20:57	11/12/23 19:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.1		5.02		mg/Kg			11/11/23 14:04	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-3 (5.5')

Lab Sample ID: 880-35634-13

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/10/23 14:57	11/11/23 07:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/23 14:57	11/11/23 07:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/23 14:57	11/11/23 07:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/23 14:57	11/11/23 07:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/23 14:57	11/11/23 07:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/23 14:57	11/11/23 07:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				11/10/23 14:57	11/11/23 07:03	1
1,4-Difluorobenzene (Surr)	107		70 - 130				11/10/23 14:57	11/11/23 07:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/11/23 07:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	60.8		50.3		mg/Kg			11/12/23 20:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		11/11/23 20:57	11/12/23 20:11	1
Diesel Range Organics (Over C10-C28)	60.8		50.3		mg/Kg		11/11/23 20:57	11/12/23 20:11	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		11/11/23 20:57	11/12/23 20:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				11/11/23 20:57	11/12/23 20:11	1
o-Terphenyl	118		70 - 130				11/11/23 20:57	11/12/23 20:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.4		5.04		mg/Kg			11/11/23 14:10	1

Client Sample ID: SW-4 (1.0')

Lab Sample ID: 880-35634-14

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/23 14:57	11/11/23 07:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/23 14:57	11/11/23 07:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/23 14:57	11/11/23 07:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/23 14:57	11/11/23 07:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/23 14:57	11/11/23 07:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/23 14:57	11/11/23 07:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				11/10/23 14:57	11/11/23 07:23	1
1,4-Difluorobenzene (Surr)	111		70 - 130				11/10/23 14:57	11/11/23 07:23	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-4 (1.0')

Lab Sample ID: 880-35634-14

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/11/23 07:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	53.2		50.3		mg/Kg			11/12/23 20:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		11/11/23 20:57	11/12/23 20:33	1
Diesel Range Organics (Over C10-C28)	53.2		50.3		mg/Kg		11/11/23 20:57	11/12/23 20:33	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		11/11/23 20:57	11/12/23 20:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				11/11/23 20:57	11/12/23 20:33	1
o-Terphenyl	123		70 - 130				11/11/23 20:57	11/12/23 20:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.8		5.02		mg/Kg			11/11/23 14:26	1

Client Sample ID: SW-5 (4.5')

Lab Sample ID: 880-35634-15

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/23 14:57	11/11/23 07:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/23 14:57	11/11/23 07:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/23 14:57	11/11/23 07:44	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/10/23 14:57	11/11/23 07:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/23 14:57	11/11/23 07:44	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/10/23 14:57	11/11/23 07:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				11/10/23 14:57	11/11/23 07:44	1
1,4-Difluorobenzene (Surr)	109		70 - 130				11/10/23 14:57	11/11/23 07:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/11/23 07:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	55.0		49.6		mg/Kg			11/12/23 20:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		11/11/23 20:57	11/12/23 20:56	1
Diesel Range Organics (Over C10-C28)	55.0		49.6		mg/Kg		11/11/23 20:57	11/12/23 20:56	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-5 (4.5')

Lab Sample ID: 880-35634-15

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/11/23 20:57	11/12/23 20:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				11/11/23 20:57	11/12/23 20:56	1
o-Terphenyl	123		70 - 130				11/11/23 20:57	11/12/23 20:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.2		5.00		mg/Kg			11/11/23 14:32	1

Client Sample ID: SW-6 (4.5')

Lab Sample ID: 880-35634-16

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/10/23 14:57	11/11/23 08:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/10/23 14:57	11/11/23 08:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/10/23 14:57	11/11/23 08:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/10/23 14:57	11/11/23 08:04	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/10/23 14:57	11/11/23 08:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/10/23 14:57	11/11/23 08:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				11/10/23 14:57	11/11/23 08:04	1
1,4-Difluorobenzene (Surr)	119		70 - 130				11/10/23 14:57	11/11/23 08:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/11/23 08:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/12/23 21:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/11/23 20:57	11/12/23 21:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/11/23 20:57	11/12/23 21:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/11/23 20:57	11/12/23 21:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				11/11/23 20:57	11/12/23 21:18	1
o-Terphenyl	100		70 - 130				11/11/23 20:57	11/12/23 21:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.5		5.00		mg/Kg			11/11/23 14:49	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-7 (4.5')

Lab Sample ID: 880-35634-17

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/23 14:57	11/11/23 08:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/23 14:57	11/11/23 08:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/23 14:57	11/11/23 08:25	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/10/23 14:57	11/11/23 08:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/23 14:57	11/11/23 08:25	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/10/23 14:57	11/11/23 08:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	11/10/23 14:57	11/11/23 08:25	1
1,4-Difluorobenzene (Surr)	106		70 - 130	11/10/23 14:57	11/11/23 08:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/11/23 08:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	54.8		50.2		mg/Kg			11/12/23 21:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		11/11/23 20:57	11/12/23 21:41	1
Diesel Range Organics (Over C10-C28)	54.8		50.2		mg/Kg		11/11/23 20:57	11/12/23 21:41	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		11/11/23 20:57	11/12/23 21:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	11/11/23 20:57	11/12/23 21:41	1
o-Terphenyl	116		70 - 130	11/11/23 20:57	11/12/23 21:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.1		4.99		mg/Kg			11/11/23 14:55	1

Client Sample ID: SW-8 (4.5')

Lab Sample ID: 880-35634-18

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/10/23 14:57	11/11/23 08:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/23 14:57	11/11/23 08:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/23 14:57	11/11/23 08:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/23 14:57	11/11/23 08:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/23 14:57	11/11/23 08:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/23 14:57	11/11/23 08:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	11/10/23 14:57	11/11/23 08:45	1
1,4-Difluorobenzene (Surr)	112		70 - 130	11/10/23 14:57	11/11/23 08:45	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-8 (4.5')

Lab Sample ID: 880-35634-18

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/11/23 08:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	51.6		50.4		mg/Kg			11/12/23 22:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		11/11/23 20:57	11/12/23 22:04	1
Diesel Range Organics (Over C10-C28)	51.6		50.4		mg/Kg		11/11/23 20:57	11/12/23 22:04	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		11/11/23 20:57	11/12/23 22:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				11/11/23 20:57	11/12/23 22:04	1
o-Terphenyl	107		70 - 130				11/11/23 20:57	11/12/23 22:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.6		5.00		mg/Kg			11/11/23 15:00	1

Client Sample ID: SW-9 (4.5')

Lab Sample ID: 880-35634-19

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/10/23 14:57	11/11/23 09:06	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/10/23 14:57	11/11/23 09:06	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/10/23 14:57	11/11/23 09:06	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/10/23 14:57	11/11/23 09:06	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/10/23 14:57	11/11/23 09:06	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/10/23 14:57	11/11/23 09:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				11/10/23 14:57	11/11/23 09:06	1
1,4-Difluorobenzene (Surr)	111		70 - 130				11/10/23 14:57	11/11/23 09:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/11/23 09:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	54.9		50.5		mg/Kg			11/12/23 22:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		11/11/23 20:57	11/12/23 22:26	1
Diesel Range Organics (Over C10-C28)	54.9		50.5		mg/Kg		11/11/23 20:57	11/12/23 22:26	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-9 (4.5')

Lab Sample ID: 880-35634-19

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		11/11/23 20:57	11/12/23 22:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				11/11/23 20:57	11/12/23 22:26	1
o-Terphenyl	107		70 - 130				11/11/23 20:57	11/12/23 22:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.1		5.03		mg/Kg			11/11/23 15:06	1

Client Sample ID: SW-10 (4.5')

Lab Sample ID: 880-35634-20

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/10/23 14:57	11/11/23 09:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/23 14:57	11/11/23 09:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/23 14:57	11/11/23 09:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/23 14:57	11/11/23 09:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/23 14:57	11/11/23 09:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/23 14:57	11/11/23 09:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				11/10/23 14:57	11/11/23 09:26	1
1,4-Difluorobenzene (Surr)	119		70 - 130				11/10/23 14:57	11/11/23 09:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/11/23 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	56.4		49.7		mg/Kg			11/12/23 22:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		11/11/23 20:57	11/12/23 22:49	1
Diesel Range Organics (Over C10-C28)	56.4		49.7		mg/Kg		11/11/23 20:57	11/12/23 22:49	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/11/23 20:57	11/12/23 22:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				11/11/23 20:57	11/12/23 22:49	1
o-Terphenyl	115		70 - 130				11/11/23 20:57	11/12/23 22:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.0		4.97		mg/Kg			11/11/23 15:12	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-11 (4.5')

Lab Sample ID: 880-35634-21

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/10/23 15:06	11/11/23 19:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/23 15:06	11/11/23 19:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/23 15:06	11/11/23 19:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/23 15:06	11/11/23 19:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/23 15:06	11/11/23 19:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/23 15:06	11/11/23 19:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	11/10/23 15:06	11/11/23 19:38	1
1,4-Difluorobenzene (Surr)	93		70 - 130	11/10/23 15:06	11/11/23 19:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/11/23 19:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	58.5		49.6		mg/Kg			11/13/23 00:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		11/11/23 21:05	11/13/23 00:41	1
Diesel Range Organics (Over C10-C28)	58.5		49.6		mg/Kg		11/11/23 21:05	11/13/23 00:41	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/11/23 21:05	11/13/23 00:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	11/11/23 21:05	11/13/23 00:41	1
o-Terphenyl	131	S1+	70 - 130	11/11/23 21:05	11/13/23 00:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57.4		5.04		mg/Kg			11/11/23 15:17	1

Client Sample ID: SW-12 (4.5')

Lab Sample ID: 880-35634-22

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/23 15:06	11/11/23 19:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/23 15:06	11/11/23 19:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/23 15:06	11/11/23 19:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/10/23 15:06	11/11/23 19:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/23 15:06	11/11/23 19:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/10/23 15:06	11/11/23 19:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	11/10/23 15:06	11/11/23 19:59	1
1,4-Difluorobenzene (Surr)	93		70 - 130	11/10/23 15:06	11/11/23 19:59	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-12 (4.5')

Lab Sample ID: 880-35634-22

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

Method: TAL SOP 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			11/11/23 19:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	70.0		50.5		mg/Kg			11/13/23 01:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		11/11/23 21:05	11/13/23 01:48	1
Diesel Range Organics (Over C10-C28)	70.0		50.5		mg/Kg		11/11/23 21:05	11/13/23 01:48	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		11/11/23 21:05	11/13/23 01:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				11/11/23 21:05	11/13/23 01:48	1
o-Terphenyl	130		70 - 130				11/11/23 21:05	11/13/23 01:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63.4		5.02		mg/Kg			11/11/23 15:23	1

Client Sample ID: SW-13 (3.0')

Lab Sample ID: 880-35634-23

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/10/23 15:06	11/11/23 20:19	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/10/23 15:06	11/11/23 20:19	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/10/23 15:06	11/11/23 20:19	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/10/23 15:06	11/11/23 20:19	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/10/23 15:06	11/11/23 20:19	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/10/23 15:06	11/11/23 20:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				11/10/23 15:06	11/11/23 20:19	1
1,4-Difluorobenzene (Surr)	63	S1-	70 - 130				11/10/23 15:06	11/11/23 20:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/11/23 20:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	62.7		50.0		mg/Kg			11/13/23 02:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/11/23 21:05	11/13/23 02:11	1
Diesel Range Organics (Over C10-C28)	62.7		50.0		mg/Kg		11/11/23 21:05	11/13/23 02:11	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-13 (3.0')

Lab Sample ID: 880-35634-23

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/11/23 21:05	11/13/23 02:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				11/11/23 21:05	11/13/23 02:11	1
o-Terphenyl	132	S1+	70 - 130				11/11/23 21:05	11/13/23 02:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45.7		4.96		mg/Kg			11/11/23 14:10	1

Client Sample ID: SW-14 (4.5')

Lab Sample ID: 880-35634-24

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/23 15:06	11/11/23 20:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/23 15:06	11/11/23 20:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/23 15:06	11/11/23 20:40	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/10/23 15:06	11/11/23 20:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/23 15:06	11/11/23 20:40	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/10/23 15:06	11/11/23 20:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				11/10/23 15:06	11/11/23 20:40	1
1,4-Difluorobenzene (Surr)	94		70 - 130				11/10/23 15:06	11/11/23 20:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/11/23 20:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	61.9		50.3		mg/Kg			11/13/23 02:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		11/11/23 21:05	11/13/23 02:33	1
Diesel Range Organics (Over C10-C28)	61.9		50.3		mg/Kg		11/11/23 21:05	11/13/23 02:33	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		11/11/23 21:05	11/13/23 02:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				11/11/23 21:05	11/13/23 02:33	1
o-Terphenyl	118		70 - 130				11/11/23 21:05	11/13/23 02:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66.8		5.04		mg/Kg			11/11/23 14:27	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-15 (4.5')

Lab Sample ID: 880-35634-25

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/10/23 15:06	11/11/23 21:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/23 15:06	11/11/23 21:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/23 15:06	11/11/23 21:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/23 15:06	11/11/23 21:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/23 15:06	11/11/23 21:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/23 15:06	11/11/23 21:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	11/10/23 15:06	11/11/23 21:00	1
1,4-Difluorobenzene (Surr)	74		70 - 130	11/10/23 15:06	11/11/23 21:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/11/23 21:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	55.2		49.7		mg/Kg			11/13/23 02:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		11/11/23 21:05	11/13/23 02:56	1
Diesel Range Organics (Over C10-C28)	55.2		49.7		mg/Kg		11/11/23 21:05	11/13/23 02:56	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/11/23 21:05	11/13/23 02:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	11/11/23 21:05	11/13/23 02:56	1
o-Terphenyl	108		70 - 130	11/11/23 21:05	11/13/23 02:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.8		5.02		mg/Kg			11/11/23 14:33	1

Client Sample ID: SW-16 (1.5')

Lab Sample ID: 880-35634-26

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/10/23 15:06	11/11/23 21:21	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/10/23 15:06	11/11/23 21:21	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/10/23 15:06	11/11/23 21:21	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/10/23 15:06	11/11/23 21:21	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/10/23 15:06	11/11/23 21:21	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/10/23 15:06	11/11/23 21:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	11/10/23 15:06	11/11/23 21:21	1
1,4-Difluorobenzene (Surr)	99		70 - 130	11/10/23 15:06	11/11/23 21:21	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-16 (1.5')

Lab Sample ID: 880-35634-26

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/11/23 21:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/13/23 03:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/11/23 21:05	11/13/23 03:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/11/23 21:05	11/13/23 03:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/11/23 21:05	11/13/23 03:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				11/11/23 21:05	11/13/23 03:18	1
o-Terphenyl	119		70 - 130				11/11/23 21:05	11/13/23 03:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.5		5.03		mg/Kg			11/11/23 14:38	1

Client Sample ID: SW-17 (4.5')

Lab Sample ID: 880-35634-27

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/23 15:06	11/11/23 21:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/23 15:06	11/11/23 21:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/23 15:06	11/11/23 21:42	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/10/23 15:06	11/11/23 21:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/23 15:06	11/11/23 21:42	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/10/23 15:06	11/11/23 21:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				11/10/23 15:06	11/11/23 21:42	1
1,4-Difluorobenzene (Surr)	86		70 - 130				11/10/23 15:06	11/11/23 21:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/11/23 21:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			11/13/23 03:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		11/11/23 21:05	11/13/23 03:40	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		11/11/23 21:05	11/13/23 03:40	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-17 (4.5')

Lab Sample ID: 880-35634-27

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		11/11/23 21:05	11/13/23 03:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				11/11/23 21:05	11/13/23 03:40	1
o-Terphenyl	103		70 - 130				11/11/23 21:05	11/13/23 03:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45.0		5.03		mg/Kg			11/11/23 14:44	1

Client Sample ID: SW-18 (3.0')

Lab Sample ID: 880-35634-28

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/10/23 15:06	11/11/23 22:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/23 15:06	11/11/23 22:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/23 15:06	11/11/23 22:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/23 15:06	11/11/23 22:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/23 15:06	11/11/23 22:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/23 15:06	11/11/23 22:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130				11/10/23 15:06	11/11/23 22:02	1
1,4-Difluorobenzene (Surr)	80		70 - 130				11/10/23 15:06	11/11/23 22:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/11/23 22:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/13/23 04:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		11/11/23 21:05	11/13/23 04:03	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/11/23 21:05	11/13/23 04:03	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/11/23 21:05	11/13/23 04:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				11/11/23 21:05	11/13/23 04:03	1
o-Terphenyl	108		70 - 130				11/11/23 21:05	11/13/23 04:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45.8		5.01		mg/Kg			11/11/23 15:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-19 (3.0')

Lab Sample ID: 880-35634-29

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/10/23 15:06	11/11/23 22:23	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/10/23 15:06	11/11/23 22:23	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/10/23 15:06	11/11/23 22:23	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/10/23 15:06	11/11/23 22:23	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/10/23 15:06	11/11/23 22:23	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/10/23 15:06	11/11/23 22:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				11/10/23 15:06	11/11/23 22:23	1
1,4-Difluorobenzene (Surr)	90		70 - 130				11/10/23 15:06	11/11/23 22:23	1

Method: TAL SOP 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			11/11/23 22:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			11/13/23 04:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		11/11/23 21:05	11/13/23 04:25	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		11/11/23 21:05	11/13/23 04:25	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		11/11/23 21:05	11/13/23 04:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				11/11/23 21:05	11/13/23 04:25	1
o-Terphenyl	120		70 - 130				11/11/23 21:05	11/13/23 04:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.5		5.03		mg/Kg			11/11/23 15:07	1

Client Sample ID: SW-20 (3.0')

Lab Sample ID: 880-35634-30

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/10/23 15:06	11/11/23 22:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/10/23 15:06	11/11/23 22:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/10/23 15:06	11/11/23 22:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/10/23 15:06	11/11/23 22:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/10/23 15:06	11/11/23 22:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/10/23 15:06	11/11/23 22:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				11/10/23 15:06	11/11/23 22:43	1
1,4-Difluorobenzene (Surr)	88		70 - 130				11/10/23 15:06	11/11/23 22:43	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-20 (3.0')

Lab Sample ID: 880-35634-30

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/11/23 22:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.6		49.6		mg/Kg			11/13/23 04:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		11/11/23 21:05	11/13/23 04:47	1
Diesel Range Organics (Over C10-C28)	52.6		49.6		mg/Kg		11/11/23 21:05	11/13/23 04:47	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/11/23 21:05	11/13/23 04:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				11/11/23 21:05	11/13/23 04:47	1
o-Terphenyl	106		70 - 130				11/11/23 21:05	11/13/23 04:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.2		5.00		mg/Kg			11/11/23 15:12	1

Client Sample ID: SW-21 (1.5')

Lab Sample ID: 880-35634-31

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/10/23 15:06	11/12/23 00:08	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/10/23 15:06	11/12/23 00:08	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/10/23 15:06	11/12/23 00:08	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/10/23 15:06	11/12/23 00:08	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/10/23 15:06	11/12/23 00:08	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/10/23 15:06	11/12/23 00:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				11/10/23 15:06	11/12/23 00:08	1
1,4-Difluorobenzene (Surr)	93		70 - 130				11/10/23 15:06	11/12/23 00:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/12/23 00:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	51.2		50.4		mg/Kg			11/13/23 05:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		11/11/23 21:05	11/13/23 05:32	1
Diesel Range Organics (Over C10-C28)	51.2		50.4		mg/Kg		11/11/23 21:05	11/13/23 05:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-21 (1.5')

Lab Sample ID: 880-35634-31

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		11/11/23 21:05	11/13/23 05:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				11/11/23 21:05	11/13/23 05:32	1
o-Terphenyl	118		70 - 130				11/11/23 21:05	11/13/23 05:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.0		5.03		mg/Kg			11/11/23 15:18	1

Client Sample ID: SW-22 (1.5')

Lab Sample ID: 880-35634-32

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/23 15:06	11/12/23 00:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/23 15:06	11/12/23 00:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/23 15:06	11/12/23 00:28	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/10/23 15:06	11/12/23 00:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/23 15:06	11/12/23 00:28	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/10/23 15:06	11/12/23 00:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130				11/10/23 15:06	11/12/23 00:28	1
1,4-Difluorobenzene (Surr)	69	S1-	70 - 130				11/10/23 15:06	11/12/23 00:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/12/23 00:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/13/23 05:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/11/23 21:05	11/13/23 05:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/11/23 21:05	11/13/23 05:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/11/23 21:05	11/13/23 05:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				11/11/23 21:05	11/13/23 05:55	1
o-Terphenyl	111		70 - 130				11/11/23 21:05	11/13/23 05:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.6		5.02		mg/Kg			11/11/23 15:24	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-23 (1.5')
Date Collected: 11/09/23 00:00
Date Received: 11/10/23 13:35

Lab Sample ID: 880-35634-33
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/10/23 15:06	11/12/23 00:49	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/10/23 15:06	11/12/23 00:49	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/10/23 15:06	11/12/23 00:49	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/10/23 15:06	11/12/23 00:49	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/10/23 15:06	11/12/23 00:49	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/10/23 15:06	11/12/23 00:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				11/10/23 15:06	11/12/23 00:49	1
1,4-Difluorobenzene (Surr)	97		70 - 130				11/10/23 15:06	11/12/23 00:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/12/23 00:49	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	66.6		50.5		mg/Kg			11/13/23 06:17	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		11/11/23 21:05	11/13/23 06:17	1
Diesel Range Organics (Over C10-C28)	66.6		50.5		mg/Kg		11/11/23 21:05	11/13/23 06:17	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		11/11/23 21:05	11/13/23 06:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				11/11/23 21:05	11/13/23 06:17	1
o-Terphenyl	127		70 - 130				11/11/23 21:05	11/13/23 06:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.0		5.00		mg/Kg			11/11/23 15:29	1

Surrogate Summary

Client: Carmona Resources

Job ID: 880-35634-1

Project/Site: SRO State Com 53H (04.20.23)

SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-35634-1	CS-1 (5.5')	86	105
880-35634-1 MS	CS-1 (5.5')	110	103
880-35634-1 MSD	CS-1 (5.5')	102	109
880-35634-2	CS-2 (4.5')	98	116
880-35634-3	CS-3 (4.5')	105	116
880-35634-4	CS-4 (4.5')	102	116
880-35634-5	CS-5 (4.5')	96	116
880-35634-6	CS-6 (4.5')	97	109
880-35634-7	CS-7 (4.5')	106	115
880-35634-8	CS-8 (4.5')	97	113
880-35634-9	CS-9 (3.0')	106	119
880-35634-10	CS-10 (1.5')	96	115
880-35634-11	SW-1 (5.5')	86	102
880-35634-12	SW-2 (5.5')	103	116
880-35634-13	SW-3 (5.5')	101	107
880-35634-14	SW-4 (1.0')	103	111
880-35634-15	SW-5 (4.5')	107	109
880-35634-16	SW-6 (4.5')	105	119
880-35634-17	SW-7 (4.5')	107	106
880-35634-18	SW-8 (4.5')	105	112
880-35634-19	SW-9 (4.5')	94	111
880-35634-20	SW-10 (4.5')	108	119
880-35634-21	SW-11 (4.5')	94	93
880-35634-21 MS	SW-11 (4.5')	116	93
880-35634-21 MSD	SW-11 (4.5')	111	116
880-35634-22	SW-12 (4.5')	83	93
880-35634-23	SW-13 (3.0')	97	63 S1-
880-35634-24	SW-14 (4.5')	84	94
880-35634-25	SW-15 (4.5')	94	74
880-35634-26	SW-16 (1.5')	81	99
880-35634-27	SW-17 (4.5')	84	86
880-35634-28	SW-18 (3.0')	82	80
880-35634-29	SW-19 (3.0')	88	90
880-35634-30	SW-20 (3.0')	104	88
880-35634-31	SW-21 (1.5')	86	93
880-35634-32	SW-22 (1.5')	83	69 S1-
880-35634-33	SW-23 (1.5')	85	97
LCS 880-66737/1-A	Lab Control Sample	99	109
LCS 880-66739/1-A	Lab Control Sample	114	110
LCSD 880-66737/2-A	Lab Control Sample Dup	99	101
LCSD 880-66739/2-A	Lab Control Sample Dup	111	114
MB 880-66375/5-A	Method Blank	70	102
MB 880-66606/5-A	Method Blank	123	140 S1+
MB 880-66737/5-A	Method Blank	111	140 S1+
MB 880-66739/5-A	Method Blank	70	102

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-35634-1

Project/Site: SRO State Com 53H (04.20.23)

SDG: Eddy County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-35634-1	CS-1 (5.5')	100	104
880-35634-1 MS	CS-1 (5.5')	105	102
880-35634-1 MSD	CS-1 (5.5')	116	113
880-35634-2	CS-2 (4.5')	118	126
880-35634-3	CS-3 (4.5')	110	117
880-35634-4	CS-4 (4.5')	116	123
880-35634-5	CS-5 (4.5')	118	126
880-35634-6	CS-6 (4.5')	129	136 S1+
880-35634-7	CS-7 (4.5')	114	122
880-35634-8	CS-8 (4.5')	89	93
880-35634-9	CS-9 (3.0')	111	120
880-35634-10	CS-10 (1.5')	113	118
880-35634-11	SW-1 (5.5')	121	128
880-35634-12	SW-2 (5.5')	104	106
880-35634-13	SW-3 (5.5')	110	118
880-35634-14	SW-4 (1.0')	114	123
880-35634-15	SW-5 (4.5')	114	123
880-35634-16	SW-6 (4.5')	98	100
880-35634-17	SW-7 (4.5')	110	116
880-35634-18	SW-8 (4.5')	102	107
880-35634-19	SW-9 (4.5')	101	107
880-35634-20	SW-10 (4.5')	108	115
880-35634-21	SW-11 (4.5')	119	131 S1+
880-35634-21 MS	SW-11 (4.5')	111	106
880-35634-21 MSD	SW-11 (4.5')	108	105
880-35634-22	SW-12 (4.5')	119	130
880-35634-23	SW-13 (3.0')	124	132 S1+
880-35634-24	SW-14 (4.5')	113	118
880-35634-25	SW-15 (4.5')	107	108
880-35634-26	SW-16 (1.5')	117	119
880-35634-27	SW-17 (4.5')	101	103
880-35634-28	SW-18 (3.0')	105	108
880-35634-29	SW-19 (3.0')	116	120
880-35634-30	SW-20 (3.0')	104	106
880-35634-31	SW-21 (1.5')	111	118
880-35634-32	SW-22 (1.5')	110	111
880-35634-33	SW-23 (1.5')	121	127
LCS 880-66778/2-A	Lab Control Sample	84	98
LCS 880-66779/2-A	Lab Control Sample	93	108
LCSD 880-66778/3-A	Lab Control Sample Dup	75	86
LCSD 880-66779/3-A	Lab Control Sample Dup	80	91
MB 880-66778/1-A	Method Blank	122	135 S1+
MB 880-66779/1-A	Method Blank	106	116
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: Carmona Resources

Job ID: 880-35634-1

Project/Site: SRO State Com 53H (04.20.23)

SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-66375/5-A

Matrix: Solid

Analysis Batch: 66683

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 66375

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/07/23 13:39	11/11/23 08:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/07/23 13:39	11/11/23 08:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/07/23 13:39	11/11/23 08:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/07/23 13:39	11/11/23 08:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/07/23 13:39	11/11/23 08:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/07/23 13:39	11/11/23 08:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130	11/07/23 13:39	11/11/23 08:36	1
1,4-Difluorobenzene (Surr)	102		70 - 130	11/07/23 13:39	11/11/23 08:36	1

Lab Sample ID: MB 880-66606/5-A

Matrix: Solid

Analysis Batch: 66684

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 66606

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/09/23 10:29	11/10/23 12:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/09/23 10:29	11/10/23 12:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/09/23 10:29	11/10/23 12:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/09/23 10:29	11/10/23 12:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/09/23 10:29	11/10/23 12:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/09/23 10:29	11/10/23 12:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	11/09/23 10:29	11/10/23 12:58	1
1,4-Difluorobenzene (Surr)	140	S1+	70 - 130	11/09/23 10:29	11/10/23 12:58	1

Lab Sample ID: MB 880-66737/5-A

Matrix: Solid

Analysis Batch: 66684

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 66737

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/23 14:57	11/11/23 00:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/23 14:57	11/11/23 00:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/23 14:57	11/11/23 00:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/10/23 14:57	11/11/23 00:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/23 14:57	11/11/23 00:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/10/23 14:57	11/11/23 00:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	11/10/23 14:57	11/11/23 00:58	1
1,4-Difluorobenzene (Surr)	140	S1+	70 - 130	11/10/23 14:57	11/11/23 00:58	1

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-66737/1-A

Matrix: Solid

Analysis Batch: 66684

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 66737

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1152		mg/Kg		115	70 - 130
Toluene	0.100	0.09921		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.09149		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	0.200	0.2057		mg/Kg		103	70 - 130
o-Xylene	0.100	0.09930		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: LCSD 880-66737/2-A

Matrix: Solid

Analysis Batch: 66684

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 66737

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1115		mg/Kg		111	70 - 130	3	35
Toluene	0.100	0.09237		mg/Kg		92	70 - 130	7	35
Ethylbenzene	0.100	0.08951		mg/Kg		90	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2051		mg/Kg		103	70 - 130	0	35
o-Xylene	0.100	0.09856		mg/Kg		99	70 - 130	1	35

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

Lab Sample ID: 880-35634-1 MS

Matrix: Solid

Analysis Batch: 66684

Client Sample ID: CS-1 (5.5')

Prep Type: Total/NA

Prep Batch: 66737

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0996	0.1069		mg/Kg		107	70 - 130
Toluene	<0.00200	U	0.0996	0.07773		mg/Kg		78	70 - 130
Ethylbenzene	<0.00200	U	0.0996	0.07835		mg/Kg		79	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.199	0.1751		mg/Kg		88	70 - 130
o-Xylene	<0.00200	U	0.0996	0.08910		mg/Kg		89	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-35634-1 MSD

Matrix: Solid

Analysis Batch: 66684

Client Sample ID: CS-1 (5.5')

Prep Type: Total/NA

Prep Batch: 66737

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.1054		mg/Kg		106	70 - 130	1	35
Toluene	<0.00200	U	0.0990	0.07985		mg/Kg		81	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.0990	0.07245		mg/Kg		73	70 - 130	8	35

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-35634-1 MSD

Matrix: Solid

Analysis Batch: 66684

Client Sample ID: CS-1 (5.5')

Prep Type: Total/NA

Prep Batch: 66737

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00399	U	0.198	0.1648		mg/Kg		83	70 - 130	6	35
o-Xylene	<0.00200	U	0.0990	0.08327		mg/Kg		84	70 - 130	7	35
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	102		70 - 130								
1,4-Difluorobenzene (Surr)	109		70 - 130								

Lab Sample ID: MB 880-66739/5-A

Matrix: Solid

Analysis Batch: 66683

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 66739

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/10/23 15:06	11/11/23 19:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/10/23 15:06	11/11/23 19:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/10/23 15:06	11/11/23 19:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/10/23 15:06	11/11/23 19:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/10/23 15:06	11/11/23 19:16	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/10/23 15:06	11/11/23 19:16	1
Surrogate	MB %Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130				11/10/23 15:06	11/11/23 19:16	1
1,4-Difluorobenzene (Surr)	102		70 - 130				11/10/23 15:06	11/11/23 19:16	1

Lab Sample ID: LCS 880-66739/1-A

Matrix: Solid

Analysis Batch: 66683

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 66739

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.100	0.1083		mg/Kg		108	70 - 130		
Toluene	0.100	0.1113		mg/Kg		111	70 - 130		
Ethylbenzene	0.100	0.1052		mg/Kg		105	70 - 130		
m-Xylene & p-Xylene	0.200	0.2286		mg/Kg		114	70 - 130		
o-Xylene	0.100	0.1092		mg/Kg		109	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	LCS Limits						
4-Bromofluorobenzene (Surr)	114		70 - 130						
1,4-Difluorobenzene (Surr)	110		70 - 130						

Lab Sample ID: LCSD 880-66739/2-A

Matrix: Solid

Analysis Batch: 66683

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 66739

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1139		mg/Kg		114	70 - 130	5	35
Toluene	0.100	0.1117		mg/Kg		112	70 - 130	0	35
Ethylbenzene	0.100	0.1070		mg/Kg		107	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2290		mg/Kg		115	70 - 130	0	35
o-Xylene	0.100	0.1093		mg/Kg		109	70 - 130	0	35

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Lab Sample ID: 880-35634-21 MS
Matrix: Solid
Analysis Batch: 66683

Client Sample ID: SW-11 (4.5')
Prep Type: Total/NA
Prep Batch: 66739

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.1036		mg/Kg		104	70 - 130
Toluene	<0.00199	U	0.0996	0.09997		mg/Kg		100	70 - 130
Ethylbenzene	<0.00199	U	0.0996	0.09681		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1981		mg/Kg		99	70 - 130
o-Xylene	<0.00199	U	0.0996	0.09903		mg/Kg		99	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 880-35634-21 MSD
Matrix: Solid
Analysis Batch: 66683

Client Sample ID: SW-11 (4.5')
Prep Type: Total/NA
Prep Batch: 66739

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00199	U	0.0994	0.1039		mg/Kg		105	70 - 130	0	35
Toluene	<0.00199	U	0.0994	0.09335		mg/Kg		94	70 - 130	7	35
Ethylbenzene	<0.00199	U	0.0994	0.08931		mg/Kg		90	70 - 130	8	35
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1853		mg/Kg		93	70 - 130	7	35
o-Xylene	<0.00199	U	0.0994	0.09170		mg/Kg		92	70 - 130	8	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	116		70 - 130

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

Lab Sample ID: MB 880-66778/1-A
Matrix: Solid
Analysis Batch: 66788

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 66778

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		11/11/23 20:57	11/12/23 09:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/11/23 20:57	11/12/23 09:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/11/23 20:57	11/12/23 09:09	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	122		70 - 130	11/11/23 20:57	11/12/23 09:09	1			
o-Terphenyl	135	S1+	70 - 130	11/11/23 20:57	11/12/23 09:09	1			

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-66778/2-A

Matrix: Solid

Analysis Batch: 66788

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 66778

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	996.4		mg/Kg		100	70 - 130
Diesel Range Organics (Over C10-C28)	1000	956.7		mg/Kg		96	70 - 130
		LCS	LCS				
Surrogate	%Recovery	Qualifier	Limits				
1-Chlorooctane	84		70 - 130				
o-Terphenyl	98		70 - 130				

Lab Sample ID: LCSD 880-66778/3-A

Matrix: Solid

Analysis Batch: 66788

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 66778

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	867.3		mg/Kg		87	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	1000	899.7		mg/Kg		90	70 - 130	6	20
		LCSD	LCSD						
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	75		70 - 130						
o-Terphenyl	86		70 - 130						

Lab Sample ID: 880-35634-1 MS

Matrix: Solid

Analysis Batch: 66788

Client Sample ID: CS-1 (5.5')

Prep Type: Total/NA

Prep Batch: 66778

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	1000	872.6		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	54.6		1000	1026		mg/Kg		97	70 - 130
		MS	MS						
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	105		70 - 130						
o-Terphenyl	102		70 - 130						

Lab Sample ID: 880-35634-1 MSD

Matrix: Solid

Analysis Batch: 66788

Client Sample ID: CS-1 (5.5')

Prep Type: Total/NA

Prep Batch: 66778

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	<49.6	U	1000	966.6		mg/Kg		95	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	54.6		1000	1155		mg/Kg		110	70 - 130	12	20
		MSD	MSD								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	116		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-35634-1 MSD
Matrix: Solid
Analysis Batch: 66788

Client Sample ID: CS-1 (5.5')
Prep Type: Total/NA
Prep Batch: 66778

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
o-Terphenyl	113		70 - 130

Lab Sample ID: MB 880-66779/1-A
Matrix: Solid
Analysis Batch: 66788

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 66779

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/11/23 21:05	11/12/23 23:33	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/11/23 21:05	11/12/23 23:33	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/11/23 21:05	11/12/23 23:33	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	106		70 - 130				11/11/23 21:05	11/12/23 23:33	1	
o-Terphenyl	116		70 - 130				11/11/23 21:05	11/12/23 23:33	1	

Lab Sample ID: LCS 880-66779/2-A
Matrix: Solid
Analysis Batch: 66788

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 66779

Analyte		Spike	LCS	LCS				%Rec		
		Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10		1000	1022		mg/Kg		102	70 - 130		
Diesel Range Organics (Over C10-C28)		1000	1072		mg/Kg		107	70 - 130		
Surrogate										
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	93		70 - 130							
o-Terphenyl	108		70 - 130							

Lab Sample ID: LCSD 880-66779/3-A
Matrix: Solid
Analysis Batch: 66788

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 66779

Analyte		Spike	LCSD	LCSD				%Rec		RPD	
		Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10		1000	948.9		mg/Kg		95	70 - 130	7	20	
Diesel Range Organics (Over C10-C28)		1000	967.5		mg/Kg		97	70 - 130	10	20	
Surrogate											
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	80		70 - 130								
o-Terphenyl	91		70 - 130								

QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-35634-21 MS

Matrix: Solid

Analysis Batch: 66788

Client Sample ID: SW-11 (4.5')

Prep Type: Total/NA

Prep Batch: 66779

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	1010	945.1		mg/Kg		94	70 - 130		
Diesel Range Organics (Over C10-C28)	58.5		1010	1094		mg/Kg		103	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	111		70 - 130								
o-Terphenyl	106		70 - 130								

Lab Sample ID: 880-35634-21 MSD

Matrix: Solid

Analysis Batch: 66788

Client Sample ID: SW-11 (4.5')

Prep Type: Total/NA

Prep Batch: 66779

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	1010	913.8		mg/Kg		91	70 - 130	3	20	
Diesel Range Organics (Over C10-C28)	58.5		1010	1089		mg/Kg		102	70 - 130	0	20	
Surrogate	MSD %Recovery	MSD Qualifier	Limits									
1-Chlorooctane	108		70 - 130									
o-Terphenyl	105		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-66734/1-A

Matrix: Solid

Analysis Batch: 66774

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<5.00	U	5.00		mg/Kg			11/10/23 23:06	1

Lab Sample ID: LCS 880-66734/2-A

Matrix: Solid

Analysis Batch: 66774

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Chloride	250	258.5		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-66734/3-A

Matrix: Solid

Analysis Batch: 66774

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limits
Chloride			250	259.1		mg/Kg		104	90 - 110	0	20

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-35632-A-90-B MS

Matrix: Solid

Analysis Batch: 66774

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	2790		1260	4045		mg/Kg		100	90 - 110

Lab Sample ID: 880-35632-A-90-B MSD

Matrix: Solid

Analysis Batch: 66774

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	2790		1260	4056		mg/Kg		101	90 - 110	0	20

Lab Sample ID: MB 880-66735/1-A

Matrix: Solid

Analysis Batch: 66775

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			11/11/23 12:33	1

Lab Sample ID: LCS 880-66735/2-A

Matrix: Solid

Analysis Batch: 66775

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	244.2		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-66735/3-A

Matrix: Solid

Analysis Batch: 66775

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	244.9		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-35634-3 MS

Matrix: Solid

Analysis Batch: 66775

Client Sample ID: CS-3 (4.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	53.0		253	300.7		mg/Kg		98	90 - 110

Lab Sample ID: 880-35634-3 MSD

Matrix: Solid

Analysis Batch: 66775

Client Sample ID: CS-3 (4.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	53.0		253	301.4		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-35634-13 MS

Matrix: Solid

Analysis Batch: 66775

Client Sample ID: SW-3 (5.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	60.4		252	299.5		mg/Kg		95	90 - 110

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-35634-13 MSD

Matrix: Solid

Analysis Batch: 66775

Client Sample ID: SW-3 (5.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	60.4		252	300.2		mg/Kg		95	90 - 110	0	20

Lab Sample ID: MB 880-66736/1-A

Matrix: Solid

Analysis Batch: 66776

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			11/11/23 13:53	1

Lab Sample ID: LCS 880-66736/2-A

Matrix: Solid

Analysis Batch: 66776

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	254.6		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-66736/3-A

Matrix: Solid

Analysis Batch: 66776

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	255.8		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-35634-23 MS

Matrix: Solid

Analysis Batch: 66776

Client Sample ID: SW-13 (3.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	45.7		248	317.1		mg/Kg		109	90 - 110

Lab Sample ID: 880-35634-23 MSD

Matrix: Solid

Analysis Batch: 66776

Client Sample ID: SW-13 (3.0')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	45.7		248	318.1		mg/Kg		110	90 - 110	0	20

Lab Sample ID: 880-35634-33 MS

Matrix: Solid

Analysis Batch: 66776

Client Sample ID: SW-23 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	52.0		250	298.2		mg/Kg		99	90 - 110

Lab Sample ID: 880-35634-33 MSD

Matrix: Solid

Analysis Batch: 66776

Client Sample ID: SW-23 (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	52.0		250	299.1		mg/Kg		99	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 66375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-66375/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 66606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-66606/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 66683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35634-21	SW-11 (4.5')	Total/NA	Solid	8021B	66739
880-35634-22	SW-12 (4.5')	Total/NA	Solid	8021B	66739
880-35634-23	SW-13 (3.0')	Total/NA	Solid	8021B	66739
880-35634-24	SW-14 (4.5')	Total/NA	Solid	8021B	66739
880-35634-25	SW-15 (4.5')	Total/NA	Solid	8021B	66739
880-35634-26	SW-16 (1.5')	Total/NA	Solid	8021B	66739
880-35634-27	SW-17 (4.5')	Total/NA	Solid	8021B	66739
880-35634-28	SW-18 (3.0')	Total/NA	Solid	8021B	66739
880-35634-29	SW-19 (3.0')	Total/NA	Solid	8021B	66739
880-35634-30	SW-20 (3.0')	Total/NA	Solid	8021B	66739
880-35634-31	SW-21 (1.5')	Total/NA	Solid	8021B	66739
880-35634-32	SW-22 (1.5')	Total/NA	Solid	8021B	66739
880-35634-33	SW-23 (1.5')	Total/NA	Solid	8021B	66739
MB 880-66375/5-A	Method Blank	Total/NA	Solid	8021B	66375
MB 880-66739/5-A	Method Blank	Total/NA	Solid	8021B	66739
LCS 880-66739/1-A	Lab Control Sample	Total/NA	Solid	8021B	66739
LCSD 880-66739/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	66739
880-35634-21 MS	SW-11 (4.5')	Total/NA	Solid	8021B	66739
880-35634-21 MSD	SW-11 (4.5')	Total/NA	Solid	8021B	66739

Analysis Batch: 66684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35634-1	CS-1 (5.5')	Total/NA	Solid	8021B	66737
880-35634-2	CS-2 (4.5')	Total/NA	Solid	8021B	66737
880-35634-3	CS-3 (4.5')	Total/NA	Solid	8021B	66737
880-35634-4	CS-4 (4.5')	Total/NA	Solid	8021B	66737
880-35634-5	CS-5 (4.5')	Total/NA	Solid	8021B	66737
880-35634-6	CS-6 (4.5')	Total/NA	Solid	8021B	66737
880-35634-7	CS-7 (4.5')	Total/NA	Solid	8021B	66737
880-35634-8	CS-8 (4.5')	Total/NA	Solid	8021B	66737
880-35634-9	CS-9 (3.0')	Total/NA	Solid	8021B	66737
880-35634-10	CS-10 (1.5')	Total/NA	Solid	8021B	66737
880-35634-11	SW-1 (5.5')	Total/NA	Solid	8021B	66737
880-35634-12	SW-2 (5.5')	Total/NA	Solid	8021B	66737
880-35634-13	SW-3 (5.5')	Total/NA	Solid	8021B	66737
880-35634-14	SW-4 (1.0')	Total/NA	Solid	8021B	66737
880-35634-15	SW-5 (4.5')	Total/NA	Solid	8021B	66737
880-35634-16	SW-6 (4.5')	Total/NA	Solid	8021B	66737
880-35634-17	SW-7 (4.5')	Total/NA	Solid	8021B	66737
880-35634-18	SW-8 (4.5')	Total/NA	Solid	8021B	66737
880-35634-19	SW-9 (4.5')	Total/NA	Solid	8021B	66737
880-35634-20	SW-10 (4.5')	Total/NA	Solid	8021B	66737
MB 880-66606/5-A	Method Blank	Total/NA	Solid	8021B	66606

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QC Association Summary

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 66684 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-66737/5-A	Method Blank	Total/NA	Solid	8021B	66737
LCS 880-66737/1-A	Lab Control Sample	Total/NA	Solid	8021B	66737
LCSD 880-66737/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	66737
880-35634-1 MS	CS-1 (5.5')	Total/NA	Solid	8021B	66737
880-35634-1 MSD	CS-1 (5.5')	Total/NA	Solid	8021B	66737

Prep Batch: 66737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35634-1	CS-1 (5.5')	Total/NA	Solid	5035	
880-35634-2	CS-2 (4.5')	Total/NA	Solid	5035	
880-35634-3	CS-3 (4.5')	Total/NA	Solid	5035	
880-35634-4	CS-4 (4.5')	Total/NA	Solid	5035	
880-35634-5	CS-5 (4.5')	Total/NA	Solid	5035	
880-35634-6	CS-6 (4.5')	Total/NA	Solid	5035	
880-35634-7	CS-7 (4.5')	Total/NA	Solid	5035	
880-35634-8	CS-8 (4.5')	Total/NA	Solid	5035	
880-35634-9	CS-9 (3.0')	Total/NA	Solid	5035	
880-35634-10	CS-10 (1.5')	Total/NA	Solid	5035	
880-35634-11	SW-1 (5.5')	Total/NA	Solid	5035	
880-35634-12	SW-2 (5.5')	Total/NA	Solid	5035	
880-35634-13	SW-3 (5.5')	Total/NA	Solid	5035	
880-35634-14	SW-4 (1.0')	Total/NA	Solid	5035	
880-35634-15	SW-5 (4.5')	Total/NA	Solid	5035	
880-35634-16	SW-6 (4.5')	Total/NA	Solid	5035	
880-35634-17	SW-7 (4.5')	Total/NA	Solid	5035	
880-35634-18	SW-8 (4.5')	Total/NA	Solid	5035	
880-35634-19	SW-9 (4.5')	Total/NA	Solid	5035	
880-35634-20	SW-10 (4.5')	Total/NA	Solid	5035	
MB 880-66737/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-66737/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-66737/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-35634-1 MS	CS-1 (5.5')	Total/NA	Solid	5035	
880-35634-1 MSD	CS-1 (5.5')	Total/NA	Solid	5035	

Prep Batch: 66739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35634-21	SW-11 (4.5')	Total/NA	Solid	5035	
880-35634-22	SW-12 (4.5')	Total/NA	Solid	5035	
880-35634-23	SW-13 (3.0')	Total/NA	Solid	5035	
880-35634-24	SW-14 (4.5')	Total/NA	Solid	5035	
880-35634-25	SW-15 (4.5')	Total/NA	Solid	5035	
880-35634-26	SW-16 (1.5')	Total/NA	Solid	5035	
880-35634-27	SW-17 (4.5')	Total/NA	Solid	5035	
880-35634-28	SW-18 (3.0')	Total/NA	Solid	5035	
880-35634-29	SW-19 (3.0')	Total/NA	Solid	5035	
880-35634-30	SW-20 (3.0')	Total/NA	Solid	5035	
880-35634-31	SW-21 (1.5')	Total/NA	Solid	5035	
880-35634-32	SW-22 (1.5')	Total/NA	Solid	5035	
880-35634-33	SW-23 (1.5')	Total/NA	Solid	5035	
MB 880-66739/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-66739/1-A	Lab Control Sample	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Prep Batch: 66739 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-66739/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-35634-21 MS	SW-11 (4.5')	Total/NA	Solid	5035	
880-35634-21 MSD	SW-11 (4.5')	Total/NA	Solid	5035	

Analysis Batch: 66858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35634-1	CS-1 (5.5')	Total/NA	Solid	Total BTEX	
880-35634-2	CS-2 (4.5')	Total/NA	Solid	Total BTEX	
880-35634-3	CS-3 (4.5')	Total/NA	Solid	Total BTEX	
880-35634-4	CS-4 (4.5')	Total/NA	Solid	Total BTEX	
880-35634-5	CS-5 (4.5')	Total/NA	Solid	Total BTEX	
880-35634-6	CS-6 (4.5')	Total/NA	Solid	Total BTEX	
880-35634-7	CS-7 (4.5')	Total/NA	Solid	Total BTEX	
880-35634-8	CS-8 (4.5')	Total/NA	Solid	Total BTEX	
880-35634-9	CS-9 (3.0')	Total/NA	Solid	Total BTEX	
880-35634-10	CS-10 (1.5')	Total/NA	Solid	Total BTEX	
880-35634-11	SW-1 (5.5')	Total/NA	Solid	Total BTEX	
880-35634-12	SW-2 (5.5')	Total/NA	Solid	Total BTEX	
880-35634-13	SW-3 (5.5')	Total/NA	Solid	Total BTEX	
880-35634-14	SW-4 (1.0')	Total/NA	Solid	Total BTEX	
880-35634-15	SW-5 (4.5')	Total/NA	Solid	Total BTEX	
880-35634-16	SW-6 (4.5')	Total/NA	Solid	Total BTEX	
880-35634-17	SW-7 (4.5')	Total/NA	Solid	Total BTEX	
880-35634-18	SW-8 (4.5')	Total/NA	Solid	Total BTEX	
880-35634-19	SW-9 (4.5')	Total/NA	Solid	Total BTEX	
880-35634-20	SW-10 (4.5')	Total/NA	Solid	Total BTEX	
880-35634-21	SW-11 (4.5')	Total/NA	Solid	Total BTEX	
880-35634-22	SW-12 (4.5')	Total/NA	Solid	Total BTEX	
880-35634-23	SW-13 (3.0')	Total/NA	Solid	Total BTEX	
880-35634-24	SW-14 (4.5')	Total/NA	Solid	Total BTEX	
880-35634-25	SW-15 (4.5')	Total/NA	Solid	Total BTEX	
880-35634-26	SW-16 (1.5')	Total/NA	Solid	Total BTEX	
880-35634-27	SW-17 (4.5')	Total/NA	Solid	Total BTEX	
880-35634-28	SW-18 (3.0')	Total/NA	Solid	Total BTEX	
880-35634-29	SW-19 (3.0')	Total/NA	Solid	Total BTEX	
880-35634-30	SW-20 (3.0')	Total/NA	Solid	Total BTEX	
880-35634-31	SW-21 (1.5')	Total/NA	Solid	Total BTEX	
880-35634-32	SW-22 (1.5')	Total/NA	Solid	Total BTEX	
880-35634-33	SW-23 (1.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 66778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35634-1	CS-1 (5.5')	Total/NA	Solid	8015NM Prep	
880-35634-2	CS-2 (4.5')	Total/NA	Solid	8015NM Prep	
880-35634-3	CS-3 (4.5')	Total/NA	Solid	8015NM Prep	
880-35634-4	CS-4 (4.5')	Total/NA	Solid	8015NM Prep	
880-35634-5	CS-5 (4.5')	Total/NA	Solid	8015NM Prep	
880-35634-6	CS-6 (4.5')	Total/NA	Solid	8015NM Prep	
880-35634-7	CS-7 (4.5')	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 66778 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35634-8	CS-8 (4.5')	Total/NA	Solid	8015NM Prep	
880-35634-9	CS-9 (3.0')	Total/NA	Solid	8015NM Prep	
880-35634-10	CS-10 (1.5')	Total/NA	Solid	8015NM Prep	
880-35634-11	SW-1 (5.5')	Total/NA	Solid	8015NM Prep	
880-35634-12	SW-2 (5.5')	Total/NA	Solid	8015NM Prep	
880-35634-13	SW-3 (5.5')	Total/NA	Solid	8015NM Prep	
880-35634-14	SW-4 (1.0')	Total/NA	Solid	8015NM Prep	
880-35634-15	SW-5 (4.5')	Total/NA	Solid	8015NM Prep	
880-35634-16	SW-6 (4.5')	Total/NA	Solid	8015NM Prep	
880-35634-17	SW-7 (4.5')	Total/NA	Solid	8015NM Prep	
880-35634-18	SW-8 (4.5')	Total/NA	Solid	8015NM Prep	
880-35634-19	SW-9 (4.5')	Total/NA	Solid	8015NM Prep	
880-35634-20	SW-10 (4.5')	Total/NA	Solid	8015NM Prep	
MB 880-66778/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-66778/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-66778/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-35634-1 MS	CS-1 (5.5')	Total/NA	Solid	8015NM Prep	
880-35634-1 MSD	CS-1 (5.5')	Total/NA	Solid	8015NM Prep	

Prep Batch: 66779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35634-21	SW-11 (4.5')	Total/NA	Solid	8015NM Prep	
880-35634-22	SW-12 (4.5')	Total/NA	Solid	8015NM Prep	
880-35634-23	SW-13 (3.0')	Total/NA	Solid	8015NM Prep	
880-35634-24	SW-14 (4.5')	Total/NA	Solid	8015NM Prep	
880-35634-25	SW-15 (4.5')	Total/NA	Solid	8015NM Prep	
880-35634-26	SW-16 (1.5')	Total/NA	Solid	8015NM Prep	
880-35634-27	SW-17 (4.5')	Total/NA	Solid	8015NM Prep	
880-35634-28	SW-18 (3.0')	Total/NA	Solid	8015NM Prep	
880-35634-29	SW-19 (3.0')	Total/NA	Solid	8015NM Prep	
880-35634-30	SW-20 (3.0')	Total/NA	Solid	8015NM Prep	
880-35634-31	SW-21 (1.5')	Total/NA	Solid	8015NM Prep	
880-35634-32	SW-22 (1.5')	Total/NA	Solid	8015NM Prep	
880-35634-33	SW-23 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-66779/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-66779/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-66779/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-35634-21 MS	SW-11 (4.5')	Total/NA	Solid	8015NM Prep	
880-35634-21 MSD	SW-11 (4.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 66788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35634-1	CS-1 (5.5')	Total/NA	Solid	8015B NM	66778
880-35634-2	CS-2 (4.5')	Total/NA	Solid	8015B NM	66778
880-35634-3	CS-3 (4.5')	Total/NA	Solid	8015B NM	66778
880-35634-4	CS-4 (4.5')	Total/NA	Solid	8015B NM	66778
880-35634-5	CS-5 (4.5')	Total/NA	Solid	8015B NM	66778
880-35634-6	CS-6 (4.5')	Total/NA	Solid	8015B NM	66778
880-35634-7	CS-7 (4.5')	Total/NA	Solid	8015B NM	66778
880-35634-8	CS-8 (4.5')	Total/NA	Solid	8015B NM	66778
880-35634-9	CS-9 (3.0')	Total/NA	Solid	8015B NM	66778

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-35634-1

Project/Site: SRO State Com 53H (04.20.23)

SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 66788 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35634-10	CS-10 (1.5')	Total/NA	Solid	8015B NM	66778
880-35634-11	SW-1 (5.5')	Total/NA	Solid	8015B NM	66778
880-35634-12	SW-2 (5.5')	Total/NA	Solid	8015B NM	66778
880-35634-13	SW-3 (5.5')	Total/NA	Solid	8015B NM	66778
880-35634-14	SW-4 (1.0')	Total/NA	Solid	8015B NM	66778
880-35634-15	SW-5 (4.5')	Total/NA	Solid	8015B NM	66778
880-35634-16	SW-6 (4.5')	Total/NA	Solid	8015B NM	66778
880-35634-17	SW-7 (4.5')	Total/NA	Solid	8015B NM	66778
880-35634-18	SW-8 (4.5')	Total/NA	Solid	8015B NM	66778
880-35634-19	SW-9 (4.5')	Total/NA	Solid	8015B NM	66778
880-35634-20	SW-10 (4.5')	Total/NA	Solid	8015B NM	66778
880-35634-21	SW-11 (4.5')	Total/NA	Solid	8015B NM	66779
880-35634-22	SW-12 (4.5')	Total/NA	Solid	8015B NM	66779
880-35634-23	SW-13 (3.0')	Total/NA	Solid	8015B NM	66779
880-35634-24	SW-14 (4.5')	Total/NA	Solid	8015B NM	66779
880-35634-25	SW-15 (4.5')	Total/NA	Solid	8015B NM	66779
880-35634-26	SW-16 (1.5')	Total/NA	Solid	8015B NM	66779
880-35634-27	SW-17 (4.5')	Total/NA	Solid	8015B NM	66779
880-35634-28	SW-18 (3.0')	Total/NA	Solid	8015B NM	66779
880-35634-29	SW-19 (3.0')	Total/NA	Solid	8015B NM	66779
880-35634-30	SW-20 (3.0')	Total/NA	Solid	8015B NM	66779
880-35634-31	SW-21 (1.5')	Total/NA	Solid	8015B NM	66779
880-35634-32	SW-22 (1.5')	Total/NA	Solid	8015B NM	66779
880-35634-33	SW-23 (1.5')	Total/NA	Solid	8015B NM	66779
MB 880-66778/1-A	Method Blank	Total/NA	Solid	8015B NM	66778
MB 880-66779/1-A	Method Blank	Total/NA	Solid	8015B NM	66779
LCS 880-66778/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	66778
LCS 880-66779/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	66779
LCSD 880-66778/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	66778
LCSD 880-66779/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	66779
880-35634-1 MS	CS-1 (5.5')	Total/NA	Solid	8015B NM	66778
880-35634-1 MSD	CS-1 (5.5')	Total/NA	Solid	8015B NM	66778
880-35634-21 MS	SW-11 (4.5')	Total/NA	Solid	8015B NM	66779
880-35634-21 MSD	SW-11 (4.5')	Total/NA	Solid	8015B NM	66779

Analysis Batch: 66882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35634-1	CS-1 (5.5')	Total/NA	Solid	8015 NM	
880-35634-2	CS-2 (4.5')	Total/NA	Solid	8015 NM	
880-35634-3	CS-3 (4.5')	Total/NA	Solid	8015 NM	
880-35634-4	CS-4 (4.5')	Total/NA	Solid	8015 NM	
880-35634-5	CS-5 (4.5')	Total/NA	Solid	8015 NM	
880-35634-6	CS-6 (4.5')	Total/NA	Solid	8015 NM	
880-35634-7	CS-7 (4.5')	Total/NA	Solid	8015 NM	
880-35634-8	CS-8 (4.5')	Total/NA	Solid	8015 NM	
880-35634-9	CS-9 (3.0')	Total/NA	Solid	8015 NM	
880-35634-10	CS-10 (1.5')	Total/NA	Solid	8015 NM	
880-35634-11	SW-1 (5.5')	Total/NA	Solid	8015 NM	
880-35634-12	SW-2 (5.5')	Total/NA	Solid	8015 NM	
880-35634-13	SW-3 (5.5')	Total/NA	Solid	8015 NM	
880-35634-14	SW-4 (1.0')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 66882 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35634-15	SW-5 (4.5')	Total/NA	Solid	8015 NM	
880-35634-16	SW-6 (4.5')	Total/NA	Solid	8015 NM	
880-35634-17	SW-7 (4.5')	Total/NA	Solid	8015 NM	
880-35634-18	SW-8 (4.5')	Total/NA	Solid	8015 NM	
880-35634-19	SW-9 (4.5')	Total/NA	Solid	8015 NM	
880-35634-20	SW-10 (4.5')	Total/NA	Solid	8015 NM	
880-35634-21	SW-11 (4.5')	Total/NA	Solid	8015 NM	
880-35634-22	SW-12 (4.5')	Total/NA	Solid	8015 NM	
880-35634-23	SW-13 (3.0')	Total/NA	Solid	8015 NM	
880-35634-24	SW-14 (4.5')	Total/NA	Solid	8015 NM	
880-35634-25	SW-15 (4.5')	Total/NA	Solid	8015 NM	
880-35634-26	SW-16 (1.5')	Total/NA	Solid	8015 NM	
880-35634-27	SW-17 (4.5')	Total/NA	Solid	8015 NM	
880-35634-28	SW-18 (3.0')	Total/NA	Solid	8015 NM	
880-35634-29	SW-19 (3.0')	Total/NA	Solid	8015 NM	
880-35634-30	SW-20 (3.0')	Total/NA	Solid	8015 NM	
880-35634-31	SW-21 (1.5')	Total/NA	Solid	8015 NM	
880-35634-32	SW-22 (1.5')	Total/NA	Solid	8015 NM	
880-35634-33	SW-23 (1.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 66734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35634-1	CS-1 (5.5')	Soluble	Solid	DI Leach	
880-35634-2	CS-2 (4.5')	Soluble	Solid	DI Leach	
MB 880-66734/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-66734/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-66734/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-35632-A-90-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-35632-A-90-B MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 66735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35634-3	CS-3 (4.5')	Soluble	Solid	DI Leach	
880-35634-4	CS-4 (4.5')	Soluble	Solid	DI Leach	
880-35634-5	CS-5 (4.5')	Soluble	Solid	DI Leach	
880-35634-6	CS-6 (4.5')	Soluble	Solid	DI Leach	
880-35634-7	CS-7 (4.5')	Soluble	Solid	DI Leach	
880-35634-8	CS-8 (4.5')	Soluble	Solid	DI Leach	
880-35634-9	CS-9 (3.0')	Soluble	Solid	DI Leach	
880-35634-10	CS-10 (1.5')	Soluble	Solid	DI Leach	
880-35634-11	SW-1 (5.5')	Soluble	Solid	DI Leach	
880-35634-12	SW-2 (5.5')	Soluble	Solid	DI Leach	
880-35634-13	SW-3 (5.5')	Soluble	Solid	DI Leach	
880-35634-14	SW-4 (1.0')	Soluble	Solid	DI Leach	
880-35634-15	SW-5 (4.5')	Soluble	Solid	DI Leach	
880-35634-16	SW-6 (4.5')	Soluble	Solid	DI Leach	
880-35634-17	SW-7 (4.5')	Soluble	Solid	DI Leach	
880-35634-18	SW-8 (4.5')	Soluble	Solid	DI Leach	
880-35634-19	SW-9 (4.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 66735 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35634-20	SW-10 (4.5')	Soluble	Solid	DI Leach	
880-35634-21	SW-11 (4.5')	Soluble	Solid	DI Leach	
880-35634-22	SW-12 (4.5')	Soluble	Solid	DI Leach	
MB 880-66735/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-66735/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-66735/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-35634-3 MS	CS-3 (4.5')	Soluble	Solid	DI Leach	
880-35634-3 MSD	CS-3 (4.5')	Soluble	Solid	DI Leach	
880-35634-13 MS	SW-3 (5.5')	Soluble	Solid	DI Leach	
880-35634-13 MSD	SW-3 (5.5')	Soluble	Solid	DI Leach	

Leach Batch: 66736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35634-23	SW-13 (3.0')	Soluble	Solid	DI Leach	
880-35634-24	SW-14 (4.5')	Soluble	Solid	DI Leach	
880-35634-25	SW-15 (4.5')	Soluble	Solid	DI Leach	
880-35634-26	SW-16 (1.5')	Soluble	Solid	DI Leach	
880-35634-27	SW-17 (4.5')	Soluble	Solid	DI Leach	
880-35634-28	SW-18 (3.0')	Soluble	Solid	DI Leach	
880-35634-29	SW-19 (3.0')	Soluble	Solid	DI Leach	
880-35634-30	SW-20 (3.0')	Soluble	Solid	DI Leach	
880-35634-31	SW-21 (1.5')	Soluble	Solid	DI Leach	
880-35634-32	SW-22 (1.5')	Soluble	Solid	DI Leach	
880-35634-33	SW-23 (1.5')	Soluble	Solid	DI Leach	
MB 880-66736/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-66736/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-66736/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-35634-23 MS	SW-13 (3.0')	Soluble	Solid	DI Leach	
880-35634-23 MSD	SW-13 (3.0')	Soluble	Solid	DI Leach	
880-35634-33 MS	SW-23 (1.5')	Soluble	Solid	DI Leach	
880-35634-33 MSD	SW-23 (1.5')	Soluble	Solid	DI Leach	

Analysis Batch: 66774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35634-1	CS-1 (5.5')	Soluble	Solid	300.0	66734
880-35634-2	CS-2 (4.5')	Soluble	Solid	300.0	66734
MB 880-66734/1-A	Method Blank	Soluble	Solid	300.0	66734
LCS 880-66734/2-A	Lab Control Sample	Soluble	Solid	300.0	66734
LCSD 880-66734/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	66734
880-35632-A-90-B MS	Matrix Spike	Soluble	Solid	300.0	66734
880-35632-A-90-B MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	66734

Analysis Batch: 66775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35634-3	CS-3 (4.5')	Soluble	Solid	300.0	66735
880-35634-4	CS-4 (4.5')	Soluble	Solid	300.0	66735
880-35634-5	CS-5 (4.5')	Soluble	Solid	300.0	66735
880-35634-6	CS-6 (4.5')	Soluble	Solid	300.0	66735
880-35634-7	CS-7 (4.5')	Soluble	Solid	300.0	66735
880-35634-8	CS-8 (4.5')	Soluble	Solid	300.0	66735
880-35634-9	CS-9 (3.0')	Soluble	Solid	300.0	66735

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QC Association Summary

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 66775 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35634-10	CS-10 (1.5')	Soluble	Solid	300.0	66735
880-35634-11	SW-1 (5.5')	Soluble	Solid	300.0	66735
880-35634-12	SW-2 (5.5')	Soluble	Solid	300.0	66735
880-35634-13	SW-3 (5.5')	Soluble	Solid	300.0	66735
880-35634-14	SW-4 (1.0')	Soluble	Solid	300.0	66735
880-35634-15	SW-5 (4.5')	Soluble	Solid	300.0	66735
880-35634-16	SW-6 (4.5')	Soluble	Solid	300.0	66735
880-35634-17	SW-7 (4.5')	Soluble	Solid	300.0	66735
880-35634-18	SW-8 (4.5')	Soluble	Solid	300.0	66735
880-35634-19	SW-9 (4.5')	Soluble	Solid	300.0	66735
880-35634-20	SW-10 (4.5')	Soluble	Solid	300.0	66735
880-35634-21	SW-11 (4.5')	Soluble	Solid	300.0	66735
880-35634-22	SW-12 (4.5')	Soluble	Solid	300.0	66735
MB 880-66735/1-A	Method Blank	Soluble	Solid	300.0	66735
LCS 880-66735/2-A	Lab Control Sample	Soluble	Solid	300.0	66735
LCSD 880-66735/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	66735
880-35634-3 MS	CS-3 (4.5')	Soluble	Solid	300.0	66735
880-35634-3 MSD	CS-3 (4.5')	Soluble	Solid	300.0	66735
880-35634-13 MS	SW-3 (5.5')	Soluble	Solid	300.0	66735
880-35634-13 MSD	SW-3 (5.5')	Soluble	Solid	300.0	66735

Analysis Batch: 66776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-35634-23	SW-13 (3.0')	Soluble	Solid	300.0	66736
880-35634-24	SW-14 (4.5')	Soluble	Solid	300.0	66736
880-35634-25	SW-15 (4.5')	Soluble	Solid	300.0	66736
880-35634-26	SW-16 (1.5')	Soluble	Solid	300.0	66736
880-35634-27	SW-17 (4.5')	Soluble	Solid	300.0	66736
880-35634-28	SW-18 (3.0')	Soluble	Solid	300.0	66736
880-35634-29	SW-19 (3.0')	Soluble	Solid	300.0	66736
880-35634-30	SW-20 (3.0')	Soluble	Solid	300.0	66736
880-35634-31	SW-21 (1.5')	Soluble	Solid	300.0	66736
880-35634-32	SW-22 (1.5')	Soluble	Solid	300.0	66736
880-35634-33	SW-23 (1.5')	Soluble	Solid	300.0	66736
MB 880-66736/1-A	Method Blank	Soluble	Solid	300.0	66736
LCS 880-66736/2-A	Lab Control Sample	Soluble	Solid	300.0	66736
LCSD 880-66736/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	66736
880-35634-23 MS	SW-13 (3.0')	Soluble	Solid	300.0	66736
880-35634-23 MSD	SW-13 (3.0')	Soluble	Solid	300.0	66736
880-35634-33 MS	SW-23 (1.5')	Soluble	Solid	300.0	66736
880-35634-33 MSD	SW-23 (1.5')	Soluble	Solid	300.0	66736

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Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (5.5')
Date Collected: 11/09/23 00:00
Date Received: 11/10/23 13:35

Lab Sample ID: 880-35634-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	66737	11/10/23 14:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66684	11/11/23 01:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66858	11/11/23 01:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			66882	11/12/23 12:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	66778	11/11/23 20:57	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66788	11/12/23 12:19	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	66734	11/10/23 14:40	SMC	EET MID
Soluble	Analysis	300.0		1			66774	11/11/23 01:50	CH	EET MID

Client Sample ID: CS-2 (4.5')
Date Collected: 11/09/23 00:00
Date Received: 11/10/23 13:35

Lab Sample ID: 880-35634-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	66737	11/10/23 14:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66684	11/11/23 01:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66858	11/11/23 01:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			66882	11/12/23 13:28	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	66778	11/11/23 20:57	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66788	11/12/23 13:28	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	66734	11/10/23 14:40	SMC	EET MID
Soluble	Analysis	300.0		1			66774	11/11/23 01:56	CH	EET MID

Client Sample ID: CS-3 (4.5')
Date Collected: 11/09/23 00:00
Date Received: 11/10/23 13:35

Lab Sample ID: 880-35634-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	66737	11/10/23 14:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66684	11/11/23 02:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66858	11/11/23 02:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			66882	11/12/23 16:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	66778	11/11/23 20:57	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66788	11/12/23 16:03	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	66735	11/10/23 14:43	SMC	EET MID
Soluble	Analysis	300.0		1			66775	11/11/23 12:50	CH	EET MID

Client Sample ID: CS-4 (4.5')
Date Collected: 11/09/23 00:00
Date Received: 11/10/23 13:35

Lab Sample ID: 880-35634-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	66737	11/10/23 14:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66684	11/11/23 02:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66858	11/11/23 02:29	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-4 (4.5')

Lab Sample ID: 880-35634-4

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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			66882	11/12/23 16:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	66778	11/11/23 20:57	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66788	11/12/23 16:24	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	66735	11/10/23 14:43	SMC	EET MID
Soluble	Analysis	300.0		1			66775	11/11/23 13:07	CH	EET MID

Client Sample ID: CS-5 (4.5')

Lab Sample ID: 880-35634-5

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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	66737	11/10/23 14:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66684	11/11/23 02:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66858	11/11/23 02:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			66882	11/12/23 16:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	66778	11/11/23 20:57	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66788	11/12/23 16:47	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	66735	11/10/23 14:43	SMC	EET MID
Soluble	Analysis	300.0		1			66775	11/11/23 13:13	CH	EET MID

Client Sample ID: CS-6 (4.5')

Lab Sample ID: 880-35634-6

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	66737	11/10/23 14:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66684	11/11/23 03:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66858	11/11/23 03:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			66882	11/12/23 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	66778	11/11/23 20:57	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66788	11/12/23 17:09	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	66735	11/10/23 14:43	SMC	EET MID
Soluble	Analysis	300.0		1			66775	11/11/23 13:19	CH	EET MID

Client Sample ID: CS-7 (4.5')

Lab Sample ID: 880-35634-7

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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	66737	11/10/23 14:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66684	11/11/23 03:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66858	11/11/23 03:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			66882	11/12/23 17:32	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	66778	11/11/23 20:57	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66788	11/12/23 17:32	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-7 (4.5')

Lab Sample ID: 880-35634-7

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	66735	11/10/23 14:43	SMC	EET MID
Soluble	Analysis	300.0		1			66775	11/11/23 13:24	CH	EET MID

Client Sample ID: CS-8 (4.5')

Lab Sample ID: 880-35634-8

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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	66737	11/10/23 14:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66684	11/11/23 03:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66858	11/11/23 03:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			66882	11/12/23 17:55	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	66778	11/11/23 20:57	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66788	11/12/23 17:55	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	66735	11/10/23 14:43	SMC	EET MID
Soluble	Analysis	300.0		1			66775	11/11/23 13:41	CH	EET MID

Client Sample ID: CS-9 (3.0')

Lab Sample ID: 880-35634-9

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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	66737	11/10/23 14:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66684	11/11/23 04:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66858	11/11/23 04:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			66882	11/12/23 18:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	66778	11/11/23 20:57	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66788	11/12/23 18:18	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	66735	11/10/23 14:43	SMC	EET MID
Soluble	Analysis	300.0		1			66775	11/11/23 13:47	CH	EET MID

Client Sample ID: CS-10 (1.5')

Lab Sample ID: 880-35634-10

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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	66737	11/10/23 14:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66684	11/11/23 04:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66858	11/11/23 04:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			66882	11/12/23 18:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	66778	11/11/23 20:57	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66788	11/12/23 18:40	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	66735	11/10/23 14:43	SMC	EET MID
Soluble	Analysis	300.0		1			66775	11/11/23 13:53	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-1 (5.5')
Date Collected: 11/09/23 00:00
Date Received: 11/10/23 13:35

Lab Sample ID: 880-35634-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	66737	11/10/23 14:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66684	11/11/23 06:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66858	11/11/23 06:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			66882	11/12/23 19:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	66778	11/11/23 20:57	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66788	11/12/23 19:25	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	66735	11/10/23 14:43	SMC	EET MID
Soluble	Analysis	300.0		1			66775	11/11/23 13:58	CH	EET MID

Client Sample ID: SW-2 (5.5')
Date Collected: 11/09/23 00:00
Date Received: 11/10/23 13:35

Lab Sample ID: 880-35634-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	66737	11/10/23 14:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66684	11/11/23 06:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66858	11/11/23 06:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			66882	11/12/23 19:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	66778	11/11/23 20:57	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66788	11/12/23 19:48	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	66735	11/10/23 14:43	SMC	EET MID
Soluble	Analysis	300.0		1			66775	11/11/23 14:04	CH	EET MID

Client Sample ID: SW-3 (5.5')
Date Collected: 11/09/23 00:00
Date Received: 11/10/23 13:35

Lab Sample ID: 880-35634-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	66737	11/10/23 14:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66684	11/11/23 07:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66858	11/11/23 07:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			66882	11/12/23 20:11	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	66778	11/11/23 20:57	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66788	11/12/23 20:11	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	66735	11/10/23 14:43	SMC	EET MID
Soluble	Analysis	300.0		1			66775	11/11/23 14:10	CH	EET MID

Client Sample ID: SW-4 (1.0')
Date Collected: 11/09/23 00:00
Date Received: 11/10/23 13:35

Lab Sample ID: 880-35634-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	66737	11/10/23 14:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66684	11/11/23 07:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66858	11/11/23 07:23	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-4 (1.0')
Date Collected: 11/09/23 00:00
Date Received: 11/10/23 13:35

Lab Sample ID: 880-35634-14
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			66882	11/12/23 20:33	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	66778	11/11/23 20:57	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66788	11/12/23 20:33	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	66735	11/10/23 14:43	SMC	EET MID
Soluble	Analysis	300.0		1			66775	11/11/23 14:26	CH	EET MID

Client Sample ID: SW-5 (4.5')
Date Collected: 11/09/23 00:00
Date Received: 11/10/23 13:35

Lab Sample ID: 880-35634-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	66737	11/10/23 14:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66684	11/11/23 07:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66858	11/11/23 07:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			66882	11/12/23 20:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	66778	11/11/23 20:57	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66788	11/12/23 20:56	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	66735	11/10/23 14:43	SMC	EET MID
Soluble	Analysis	300.0		1			66775	11/11/23 14:32	CH	EET MID

Client Sample ID: SW-6 (4.5')
Date Collected: 11/09/23 00:00
Date Received: 11/10/23 13:35

Lab Sample ID: 880-35634-16
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			4.98 g	5 mL	66737	11/10/23 14:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66684	11/11/23 08:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66858	11/11/23 08:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			66882	11/12/23 21:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	66778	11/11/23 20:57	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66788	11/12/23 21:18	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	66735	11/10/23 14:43	SMC	EET MID
Soluble	Analysis	300.0		1			66775	11/11/23 14:49	CH	EET MID

Client Sample ID: SW-7 (4.5')
Date Collected: 11/09/23 00:00
Date Received: 11/10/23 13:35

Lab Sample ID: 880-35634-17
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	66737	11/10/23 14:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66684	11/11/23 08:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66858	11/11/23 08:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			66882	11/12/23 21:41	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	66778	11/11/23 20:57	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66788	11/12/23 21:41	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-7 (4.5')

Lab Sample ID: 880-35634-17

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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	66735	11/10/23 14:43	SMC	EET MID
Soluble	Analysis	300.0		1			66775	11/11/23 14:55	CH	EET MID

Client Sample ID: SW-8 (4.5')

Lab Sample ID: 880-35634-18

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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	66737	11/10/23 14:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66684	11/11/23 08:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66858	11/11/23 08:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			66882	11/12/23 22:04	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	66778	11/11/23 20:57	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66788	11/12/23 22:04	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	66735	11/10/23 14:43	SMC	EET MID
Soluble	Analysis	300.0		1			66775	11/11/23 15:00	CH	EET MID

Client Sample ID: SW-9 (4.5')

Lab Sample ID: 880-35634-19

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	66737	11/10/23 14:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66684	11/11/23 09:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66858	11/11/23 09:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			66882	11/12/23 22:26	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	66778	11/11/23 20:57	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66788	11/12/23 22:26	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	66735	11/10/23 14:43	SMC	EET MID
Soluble	Analysis	300.0		1			66775	11/11/23 15:06	CH	EET MID

Client Sample ID: SW-10 (4.5')

Lab Sample ID: 880-35634-20

Date Collected: 11/09/23 00:00

Matrix: Solid

Date Received: 11/10/23 13:35

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	66737	11/10/23 14:57	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66684	11/11/23 09:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66858	11/11/23 09:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			66882	11/12/23 22:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	66778	11/11/23 20:57	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66788	11/12/23 22:49	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	66735	11/10/23 14:43	SMC	EET MID
Soluble	Analysis	300.0		1			66775	11/11/23 15:12	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-11 (4.5')
Date Collected: 11/09/23 00:00
Date Received: 11/10/23 13:35

Lab Sample ID: 880-35634-21
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	66739	11/10/23 15:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66683	11/11/23 19:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66858	11/11/23 19:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			66882	11/13/23 00:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	66779	11/11/23 21:05	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66788	11/13/23 00:41	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	66735	11/10/23 14:43	SMC	EET MID
Soluble	Analysis	300.0		1			66775	11/11/23 15:17	CH	EET MID

Client Sample ID: SW-12 (4.5')
Date Collected: 11/09/23 00:00
Date Received: 11/10/23 13:35

Lab Sample ID: 880-35634-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	66739	11/10/23 15:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66683	11/11/23 19:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66858	11/11/23 19:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			66882	11/13/23 01:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	66779	11/11/23 21:05	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66788	11/13/23 01:48	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	66735	11/10/23 14:43	SMC	EET MID
Soluble	Analysis	300.0		1			66775	11/11/23 15:23	CH	EET MID

Client Sample ID: SW-13 (3.0')
Date Collected: 11/09/23 00:00
Date Received: 11/10/23 13:35

Lab Sample ID: 880-35634-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	66739	11/10/23 15:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66683	11/11/23 20:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66858	11/11/23 20:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			66882	11/13/23 02:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	66779	11/11/23 21:05	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66788	11/13/23 02:11	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	66736	11/10/23 14:46	SMC	EET MID
Soluble	Analysis	300.0		1			66776	11/11/23 14:10	CH	EET MID

Client Sample ID: SW-14 (4.5')
Date Collected: 11/09/23 00:00
Date Received: 11/10/23 13:35

Lab Sample ID: 880-35634-24
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	66739	11/10/23 15:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66683	11/11/23 20:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66858	11/11/23 20:40	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-14 (4.5')
Date Collected: 11/09/23 00:00
Date Received: 11/10/23 13:35

Lab Sample ID: 880-35634-24
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			66882	11/13/23 02:33	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	66779	11/11/23 21:05	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66788	11/13/23 02:33	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	66736	11/10/23 14:46	SMC	EET MID
Soluble	Analysis	300.0		1			66776	11/11/23 14:27	CH	EET MID

Client Sample ID: SW-15 (4.5')
Date Collected: 11/09/23 00:00
Date Received: 11/10/23 13:35

Lab Sample ID: 880-35634-25
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	66739	11/10/23 15:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66683	11/11/23 21:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66858	11/11/23 21:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			66882	11/13/23 02:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	66779	11/11/23 21:05	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66788	11/13/23 02:56	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	66736	11/10/23 14:46	SMC	EET MID
Soluble	Analysis	300.0		1			66776	11/11/23 14:33	CH	EET MID

Client Sample ID: SW-16 (1.5')
Date Collected: 11/09/23 00:00
Date Received: 11/10/23 13:35

Lab Sample ID: 880-35634-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	66739	11/10/23 15:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66683	11/11/23 21:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66858	11/11/23 21:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			66882	11/13/23 03:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	66779	11/11/23 21:05	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66788	11/13/23 03:18	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	66736	11/10/23 14:46	SMC	EET MID
Soluble	Analysis	300.0		1			66776	11/11/23 14:38	CH	EET MID

Client Sample ID: SW-17 (4.5')
Date Collected: 11/09/23 00:00
Date Received: 11/10/23 13:35

Lab Sample ID: 880-35634-27
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	66739	11/10/23 15:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66683	11/11/23 21:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66858	11/11/23 21:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			66882	11/13/23 03:40	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	66779	11/11/23 21:05	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66788	11/13/23 03:40	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-17 (4.5')
Date Collected: 11/09/23 00:00
Date Received: 11/10/23 13:35

Lab Sample ID: 880-35634-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	66736	11/10/23 14:46	SMC	EET MID
Soluble	Analysis	300.0		1			66776	11/11/23 14:44	CH	EET MID

Client Sample ID: SW-18 (3.0')
Date Collected: 11/09/23 00:00
Date Received: 11/10/23 13:35

Lab Sample ID: 880-35634-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	66739	11/10/23 15:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66683	11/11/23 22:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66858	11/11/23 22:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			66882	11/13/23 04:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	66779	11/11/23 21:05	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66788	11/13/23 04:03	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	66736	11/10/23 14:46	SMC	EET MID
Soluble	Analysis	300.0		1			66776	11/11/23 15:01	CH	EET MID

Client Sample ID: SW-19 (3.0')
Date Collected: 11/09/23 00:00
Date Received: 11/10/23 13:35

Lab Sample ID: 880-35634-29
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			4.96 g	5 mL	66739	11/10/23 15:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66683	11/11/23 22:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66858	11/11/23 22:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			66882	11/13/23 04:25	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	66779	11/11/23 21:05	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66788	11/13/23 04:25	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	66736	11/10/23 14:46	SMC	EET MID
Soluble	Analysis	300.0		1			66776	11/11/23 15:07	CH	EET MID

Client Sample ID: SW-20 (3.0')
Date Collected: 11/09/23 00:00
Date Received: 11/10/23 13:35

Lab Sample ID: 880-35634-30
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	66739	11/10/23 15:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66683	11/11/23 22:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66858	11/11/23 22:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			66882	11/13/23 04:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	66779	11/11/23 21:05	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66788	11/13/23 04:47	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	66736	11/10/23 14:46	SMC	EET MID
Soluble	Analysis	300.0		1			66776	11/11/23 15:12	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-21 (1.5')
Date Collected: 11/09/23 00:00
Date Received: 11/10/23 13:35

Lab Sample ID: 880-35634-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	66739	11/10/23 15:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66683	11/12/23 00:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66858	11/12/23 00:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			66882	11/13/23 05:32	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	66779	11/11/23 21:05	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66788	11/13/23 05:32	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	66736	11/10/23 14:46	SMC	EET MID
Soluble	Analysis	300.0		1			66776	11/11/23 15:18	CH	EET MID

Client Sample ID: SW-22 (1.5')
Date Collected: 11/09/23 00:00
Date Received: 11/10/23 13:35

Lab Sample ID: 880-35634-32
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	66739	11/10/23 15:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66683	11/12/23 00:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66858	11/12/23 00:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			66882	11/13/23 05:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	66779	11/11/23 21:05	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66788	11/13/23 05:55	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	66736	11/10/23 14:46	SMC	EET MID
Soluble	Analysis	300.0		1			66776	11/11/23 15:24	CH	EET MID

Client Sample ID: SW-23 (1.5')
Date Collected: 11/09/23 00:00
Date Received: 11/10/23 13:35

Lab Sample ID: 880-35634-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	66739	11/10/23 15:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66683	11/12/23 00:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66858	11/12/23 00:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			66882	11/13/23 06:17	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	66779	11/11/23 21:05	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66788	11/13/23 06:17	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	66736	11/10/23 14:46	SMC	EET MID
Soluble	Analysis	300.0		1			66776	11/11/23 15:29	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

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

Method Summary

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: SRO State Com 53H (04.20.23)

Job ID: 880-35634-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-35634-1	CS-1 (5.5')	Solid	11/09/23 00:00	11/10/23 13:35
880-35634-2	CS-2 (4.5')	Solid	11/09/23 00:00	11/10/23 13:35
880-35634-3	CS-3 (4.5')	Solid	11/09/23 00:00	11/10/23 13:35
880-35634-4	CS-4 (4.5')	Solid	11/09/23 00:00	11/10/23 13:35
880-35634-5	CS-5 (4.5')	Solid	11/09/23 00:00	11/10/23 13:35
880-35634-6	CS-6 (4.5')	Solid	11/09/23 00:00	11/10/23 13:35
880-35634-7	CS-7 (4.5')	Solid	11/09/23 00:00	11/10/23 13:35
880-35634-8	CS-8 (4.5')	Solid	11/09/23 00:00	11/10/23 13:35
880-35634-9	CS-9 (3.0')	Solid	11/09/23 00:00	11/10/23 13:35
880-35634-10	CS-10 (1.5')	Solid	11/09/23 00:00	11/10/23 13:35
880-35634-11	SW-1 (5.5')	Solid	11/09/23 00:00	11/10/23 13:35
880-35634-12	SW-2 (5.5')	Solid	11/09/23 00:00	11/10/23 13:35
880-35634-13	SW-3 (5.5')	Solid	11/09/23 00:00	11/10/23 13:35
880-35634-14	SW-4 (1.0')	Solid	11/09/23 00:00	11/10/23 13:35
880-35634-15	SW-5 (4.5')	Solid	11/09/23 00:00	11/10/23 13:35
880-35634-16	SW-6 (4.5')	Solid	11/09/23 00:00	11/10/23 13:35
880-35634-17	SW-7 (4.5')	Solid	11/09/23 00:00	11/10/23 13:35
880-35634-18	SW-8 (4.5')	Solid	11/09/23 00:00	11/10/23 13:35
880-35634-19	SW-9 (4.5')	Solid	11/09/23 00:00	11/10/23 13:35
880-35634-20	SW-10 (4.5')	Solid	11/09/23 00:00	11/10/23 13:35
880-35634-21	SW-11 (4.5')	Solid	11/09/23 00:00	11/10/23 13:35
880-35634-22	SW-12 (4.5')	Solid	11/09/23 00:00	11/10/23 13:35
880-35634-23	SW-13 (3.0')	Solid	11/09/23 00:00	11/10/23 13:35
880-35634-24	SW-14 (4.5')	Solid	11/09/23 00:00	11/10/23 13:35
880-35634-25	SW-15 (4.5')	Solid	11/09/23 00:00	11/10/23 13:35
880-35634-26	SW-16 (1.5')	Solid	11/09/23 00:00	11/10/23 13:35
880-35634-27	SW-17 (4.5')	Solid	11/09/23 00:00	11/10/23 13:35
880-35634-28	SW-18 (3.0')	Solid	11/09/23 00:00	11/10/23 13:35
880-35634-29	SW-19 (3.0')	Solid	11/09/23 00:00	11/10/23 13:35
880-35634-30	SW-20 (3.0')	Solid	11/09/23 00:00	11/10/23 13:35
880-35634-31	SW-21 (1.5')	Solid	11/09/23 00:00	11/10/23 13:35
880-35634-32	SW-22 (1.5')	Solid	11/09/23 00:00	11/10/23 13:35
880-35634-33	SW-23 (1.5')	Solid	11/09/23 00:00	11/10/23 13:35

Chair of C. stody



880-35634 Chain of Custody

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

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

Project Name:		SRO State Com 53H (04 20 23)		Turn Around			ANALYSIS REQUEST												Preservative Codes	
Project Number	2093		☐ Routine	☒ Rush														None NO	DI Water H ₂ O	
Project Location	Eddy County, New Mexico		Due Date	24 Hrs														Cool Cool	MeOH Me	
Sampler's Name	JR																	HCL HC	HNO ₃ HN	
PO #:																		H ₂ SO ₄ H ₂	NaOH Na	
SAMPLE RECEIPT			Temp Blank.	☒ Yes ☒ No		Wet Ice	☒ Yes ☒ No												H ₃ PO ₄ HP	
Received Intact:	☒ Yes ☒ No		Thermometer ID	148															NaHSO ₄ NABIS	
Cooler Custody Seals.	☒ Yes ☒ No		Correction Factor	+20															Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals	☒ Yes ☒ No		Temperature Reading	3.0															Zn Acetate+NaOH Zn	
Total Containers:			Corrected Temperature	3.20															NaOH+Ascorbic Acid SAPC	
Sample Identification			Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments	
CS-1 (5 5)			11/9/2023		X		C	1	X	X	X									
CS-2 (4 5)			11/9/2023		X		C	1	X	X	X									
CS-3 (4 5)			11/9/2023		X		C	1	X	X	X									
CS-4 (4 5)			11/9/2023		X		C	1	X	X	X									
CS-5 (4 5)			11/9/2023		X		C	1	X	X	X									
CS-6 (4 5)			11/9/2023		X		C	1	X	X	X									
CS-7 (4 5)			11/9/2023		X		C	1	X	X	X									
CS-8 (4 5)			11/9/2023		X		C	1	X	X	X									
CS-9 (3 0)			11/9/2023		X		C	1	X	X	X									
CS-10 (1 5)			11/9/2023		X		C	1	X	X	X									

Comments Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com

Relinquished by (Signature)		Date/Time	Received by (Signature)		Date/Time
<i>Monica West</i>		11/10-23	<i>[Signature]</i>		
		1235			

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- 9
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- 11
- 12
- 13
- 14

Chain of Custody

Work Order No: 35034

Page 2 of 4

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

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

Project Name	SRO State Com 53H (04 20 23)			Turn Around			Pres. Code	ANALYSIS REQUEST										Preservative Codes			
Project Number	2093			☐ Routine	☒ Rush												None NO	DI Water H ₂ O			
Project Location	Eddy County, New Mexico			Due Date	24 Hrs												Cool Cool	MeOH Me			
Sampler's Name	JR																HCL HC	HNO ₃ HN			
PO #:																	H ₂ SO ₄ H ₂	NaOH Na			
SAMPLE RECEIPT				Temp Blank.	Yes No		Well Ice	Yes No											H ₃ PO ₄ HP		
Received Intact.				Yes No	Thermometer ID														NaHSO ₄ NABIS		
Cooler Custody Seals.				Yes No N/A	Correction Factor														Na ₂ S ₂ O ₃ NaSO ₃		
Sample Custody Seals.				Yes No N/A	Temperature Reading														Zn Acetate+NaOH Zn		
Total Containers				Corrected Temperature														NaOH+Ascorbic Acid SAPC			
Sample Identification			Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments		
SW-1 (5 5)			11/9/2023		X		C	1	X	X	X										
SW-2 (5 5)			11/9/2023		X		C	1	X	X	X										
SW-3 (5 5)			11/9/2023		X		C	1	X	X	X										
SW-4 (1 0)			11/9/2023		X		C	1	X	X	X										
SW-5 (4 5)			11/9/2023		X		C	1	X	X	X										
SW-6 (4 5)			11/9/2023		X		C	1	X	X	X										
SW-7 (4 5)			11/9/2023		X		C	1	X	X	X										
SW-8 (4 5)			11/9/2023		X		C	1	X	X	X										
SW-9 (4 5)			11/9/2023		X		C	1	X	X	X										
SW-10 (4 5)			11/9/2023		X		C	1	X	X	X										
									BTEX 8021B			TPH 8015M (GRO + DRO + MRO)			Chloride 300 0						

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com

Relinquished by (Signature)		Date/Time	Received by (Signature)		Date/Time
<i>Michael Chavez</i>		11-10-23	<i>[Signature]</i>		
		1935			

Chaos of Custody

Work Order No: 35634

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

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

Project Name	SRO State Com 53H (04 20 23)			Turn Around		Pres-Code		
Project Number	2093			☐ Routine	☒ Rush			
Project Location	Eddy County, New Mexico			Due Date	24 Hrs	Parameters		
Sampler's Name	J/R							
PO #								
SAMPLE RECEIPT	Temp Blank.	Yes	No	Thermometer ID	Wet Ice		Yes	No
	Received Intact.	Yes	No					
	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	
BTEX 8021B								None NO	DI Water- H ₂ O
8015M (GRO + DRO + MRO)								Cool Cool	MeOH Me
Chloride 300 0								HCL HC	HNO ₃ HN
								H ₂ SO ₄ H ₂	NaOH Na
								H ₃ PO ₄ HP	
								NaHSO ₄ NABIS	
								Na ₂ S ₂ O ₃ NASO ₃	
								Zn Acetate+NaOH Zn	
								NaOH+Ascorbic Acid SAPC	

[illegible]

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	11-10-23		
	1335		

Can of Crust

Work Order No: 2

Loc: 880
35634

11/13/2023

[illegible]

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-35634-1

SDG Number: Eddy County, New Mexico

Login Number: 35634

List Number: 1

List Source: Eurofins Midland

Creator: Rodriguez, Leticia

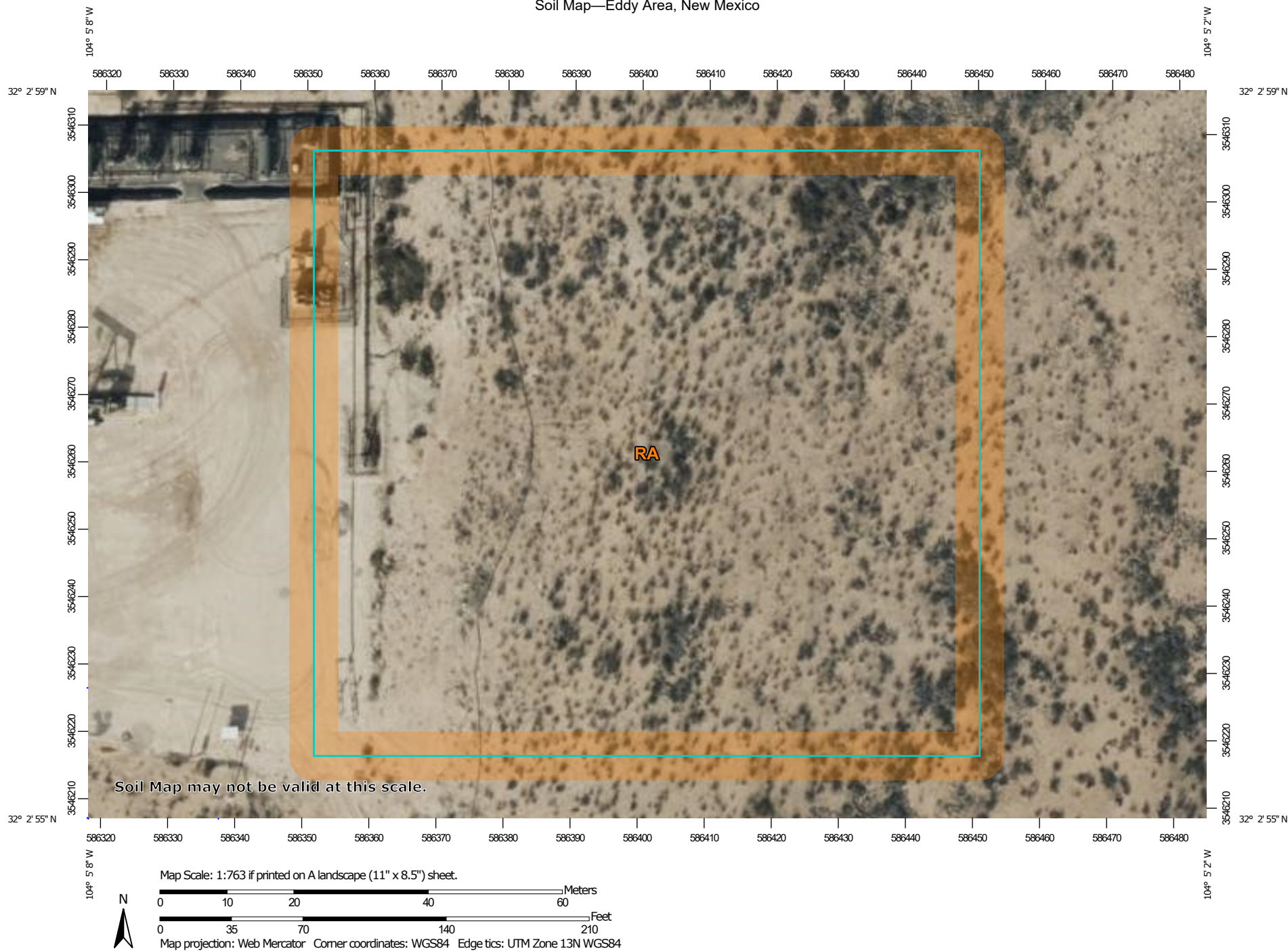
Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature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

APPENDIX F

CARMONA RESOURCES



Soil Map—Eddy Area, New Mexico



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

11/10/2023
Page 1 of 3

Soil Map—Eddy Area, New Mexico

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 19, Sep 7, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 12, 2022—Dec 2, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
RA	Reagan loam, 0 to 3 percent slopes	2.2	100.0%
Totals for Area of Interest		2.2	100.0%

Map Unit Description: Reagan loam, 0 to 3 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

RA—Reagan loam, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w5c

Elevation: 1,100 to 4,400 feet

Mean annual precipitation: 7 to 14 inches

Mean annual air temperature: 60 to 70 degrees F

Frost-free period: 200 to 240 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Reagan and similar soils: 98 percent

Minor components: 2 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Reagan

Setting

Landform: Fan remnants, alluvial fans

Landform position (three-dimensional): Rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Alluvium and/or eolian deposits

Typical profile

H1 - 0 to 8 inches: loam

H2 - 8 to 60 inches: loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water

(Ksat): Moderately high to high (0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 40 percent

Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Moderate (about 8.2 inches)

Interpretive groups

Land capability classification (irrigated): 2e

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: B

Map Unit Description: Reagan loam, 0 to 3 percent slopes---Eddy Area, New Mexico

Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Minor Components

Upton

Percent of map unit: 1 percent
Ecological site: R070BC025NM - Shallow
Hydric soil rating: No

Atoka

Percent of map unit: 1 percent
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 19, Sep 7, 2023



NMSLO Seed Mix**Loamy (L)****LOAMY (L) SITES SEED MIXTURE:**

COMMON NAME	VARIETY	APPLICATION RATE (PLS/Acre)	DRILL BOX
Grasses:			
Black grama	VNS, Southern	1.0	D
Blue grama	Lovington	1.0	D
Sideoats grama	Vaughn, El Reno	4.0	F
Sand dropseed	VNS, Southern	2.0	S
Alkali sacaton	VNS, Southern	1.0	
Little bluestem	Cimarron, Pastura	1.5	F
Forbs:			
Firewheel (<i>Gaillardia</i>)	VNS, Southern	1.0	D
Shrubs:			
Fourwing saltbush	Marana, Santa Rita	1.0	D
Common winterfat	VNS, Southern	0.5	F
Total PLS/acre		18.0	

S = Small seed drill box, D = Standard seed drill box, F = Fluffy seed drill box

VNS = Variety Not Stated, PLS = Pure Live Seed

- Seed mixes should be provided in bags separating seed types into the three categories: small (S), standard (D) and fluffy (F).
- VNS, Southern – Seed should be from a southern latitude collection of this species.
- Double seed application rate for broadcast or hydroseeding.
- If one species is not available, contact the SLO for an approved substitute; alternatively the SLO may require other species proportionately increased.
- Additional information on these seed species can be found on the USDA Plants Database website at <http://plants.usda.gov>.



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QUESTIONS

Action 306894

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 306894
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2312934730
Incident Name	NAPP2312934730 SRO STATE COM 053H @ 0
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2204030612] SRO ST UT 53H BATTERY

Location of Release Source	
Please answer all the questions in this group.	
Site Name	SRO STATE COM 053H
Date Release Discovered	04/22/2023
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Pump Crude Oil Released: 30 BBL Recovered: 25 BBL Lost: 5 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 306894

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 306894
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

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

Action 306894

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	306894
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Less than or equal 25 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between ½ and 1 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

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

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

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

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

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

On what estimated date will the remediation commence	11/08/2023
On what date will (or did) the final sampling or liner inspection occur	11/09/2023
On what date will (or was) the remediation complete(d)	11/09/2023
What is the estimated surface area (in square feet) that will be reclaimed	1612
What is the estimated volume (in cubic yards) that will be reclaimed	1612
What is the estimated surface area (in square feet) that will be remediated	0
What is the estimated volume (in cubic yards) that will be remediated	180

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

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

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QUESTIONS, Page 4

Action 306894

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 306894
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	SRO ST UT 53H BATTERY [fAPP2204030612]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 01/23/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 306894

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	229137
	Action Number:
	306894
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

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

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QUESTIONS, Page 6

Action 306894

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:	229137
	Action Number:	306894
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	306907
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/09/2023
What was the (estimated) number of samples that were to be gathered	7
What was the sampling surface area in square feet	1

Remediation Closure Request

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

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	0
What was the total volume (cubic yards) remediated	180
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	1612
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	none

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

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

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

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QUESTIONS, Page 7

Action 306894

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 306894
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 306894

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 306894
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2312934730 SRO STATE COM 053H, thank you. This Remediation Closure Report is approved. The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical.	4/4/2024
rhamlet	Pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan. A revegetation report will not be accepted until the release area, including areas reasonably needed for production or drilling activities, are complete. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable. All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil.	4/4/2024
rhamlet	Information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeded activities, inspections, and final pictures when revegetation is achieved. OR Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	4/4/2024