

CARMONA RESOURCES



SITE INFORMATION

Closure Report
SRO State Com #45 (03.18.22)
Incident #: NAPP2209137585
Eddy County, New Mexico
Unit B Sec 17 T26S R28E
32.049443°, -104.107077°

Crude Oil Release
Point of Release: Due to an overflowing compressor
Release Date: 03/18/2022
Volume Released: 5.2 barrels of Crude Oil
Volume Recovered: 3.5 barrels of Crude Oil

CARMONA RESOURCES



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

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

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

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July 26, 2022

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

**Re: Closure Report
SRO State Com #45
Concho Operating, LLC
Site Location: Unit B, S17, T26S, R28E
(Lat 32.04911°, Long -104.10708°)
Eddy County, New Mexico**

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site assessment activities. The site is located at 32.04911, -104.10708 within Unit B, S17, T26S, R28E, and in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site information and Background

Based on the initial C-141s obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on March 18, 2022, caused by an overflowing compressor. It released approximately 5.2 barrels of crude oil, and 3.5 barrels were recovered. The impacted area is shown in Figures 3A and 3B. 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 is within a 0.50-mile radius of the location. The nearest identified well is approximately 0.61 miles Southeast of the site in S18, T26S, R28E and was drilled in 1998. The well has a reported depth to groundwater of 16.35' feet below the ground surface (ft bgs). A copy of the associated Summary Report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

4.0 Site Assessment Activities

South Spill

On March 24, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of three (8) sample points (S-1 through S-8) and ten (10) horizontal sample points (H-1 through H-10) were installed to total depths ranging from surface to 2.5 ft (feet) below the surface. Soil samples were collected and submitted to the laboratory for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4500. Copies of laboratory

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analysis and chain-of-custody documentation are included in Appendix E. The sample locations are shown in Figures 3A and 3B.

North Spill

On May 7, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of three (3) sample points (S-1 through S-3) and four (4) horizontal sample points (H-1 through H-4) were installed to total depths ranging from surface to 18 (inches) below the surface. Soil samples were collected and submitted to the laboratory for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The sample locations are shown in Figures 3A and 3B.

In Table 1A and 1B, vertical delineation was not achieved during the assessment due to a dense geological formation. Horizontal delineation was achieved.

5.0 Remediation Activities

Carmona Resources personnel were on site from June 14-24th, 2022, 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 June 13 and June 20th, 2022, per Subsection D of 19.15.29.12 NMAC. See Appendix C.

South Spill

Referring to Figures 3A and 4A, the areas of S-1 through S-3 were excavated to a depth of 3.0' below the surface to remove all the impacted soils. The areas of S-4, S-5, and S-7 were excavated to a depth of 2.5' below the surface. The area of S-6 was excavated to a depth of 2.0' below the surface, and the area of S-8 was excavated to a depth of 1.0' below the surface to remove all the impacted soils. A total of seventeen (17) floor confirmation samples were collected (CS-1 through CS-17) and twenty-four (24) sidewall samples (SW-1 through SW-24). All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0/4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figures 4A sheets 1 and 2.

Referring to Table 2A, the areas of confirmation samples (CS-13 and CS-14) and sidewall samples (SW-4, SW-5, SW-9, SW-12, SW-13, SW-14, SW-16, and SW-18) showed high TPH concentrations. In addition, those areas were excavated vertically and horizontally an additional 0.5 inches, respectively, to ensure the proper removal of contaminated soils.

North Spill

Referring to Figures 3B and 4B, the areas of S-1 through S-3 were excavated to a depth of 3.0' below the surface to remove all the impacted soils. A total of nine (9) floor confirmation samples (CS-1 through CS-9) and five (5) sidewall samples (SW-1 through SW-5) were collected. All samples 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 300.0/4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figures 4A and 4B.

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

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 440 cubic yards of material were excavated and transported offsite for proper disposal.



6.0 Conclusions

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

Sincerely,

Carmona Resources, LLC

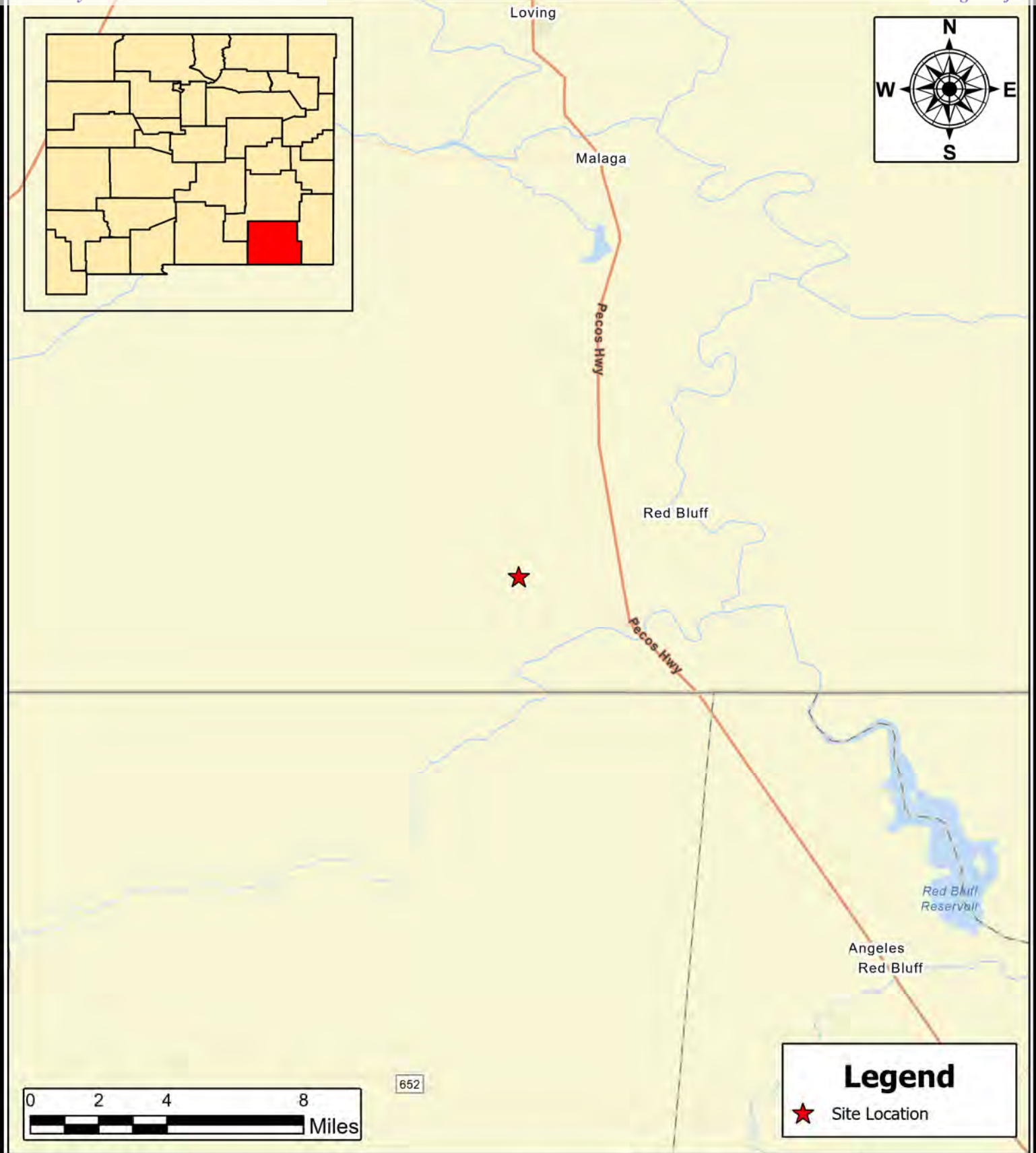
Ashton Thielke
Sr. Project Manager

Conner Moehring
Sr. Project Manager

FIGURES

CARMONA RESOURCES





OVERVIEW MAP
COG OPERATING
SRO STATE COM #45
EDDY COUNTY, NEW MEXICO
32.04911, -104.10708

SCALE: As Shown

Date: 7/25/2022



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Midland, Texas 79701

NOTES:

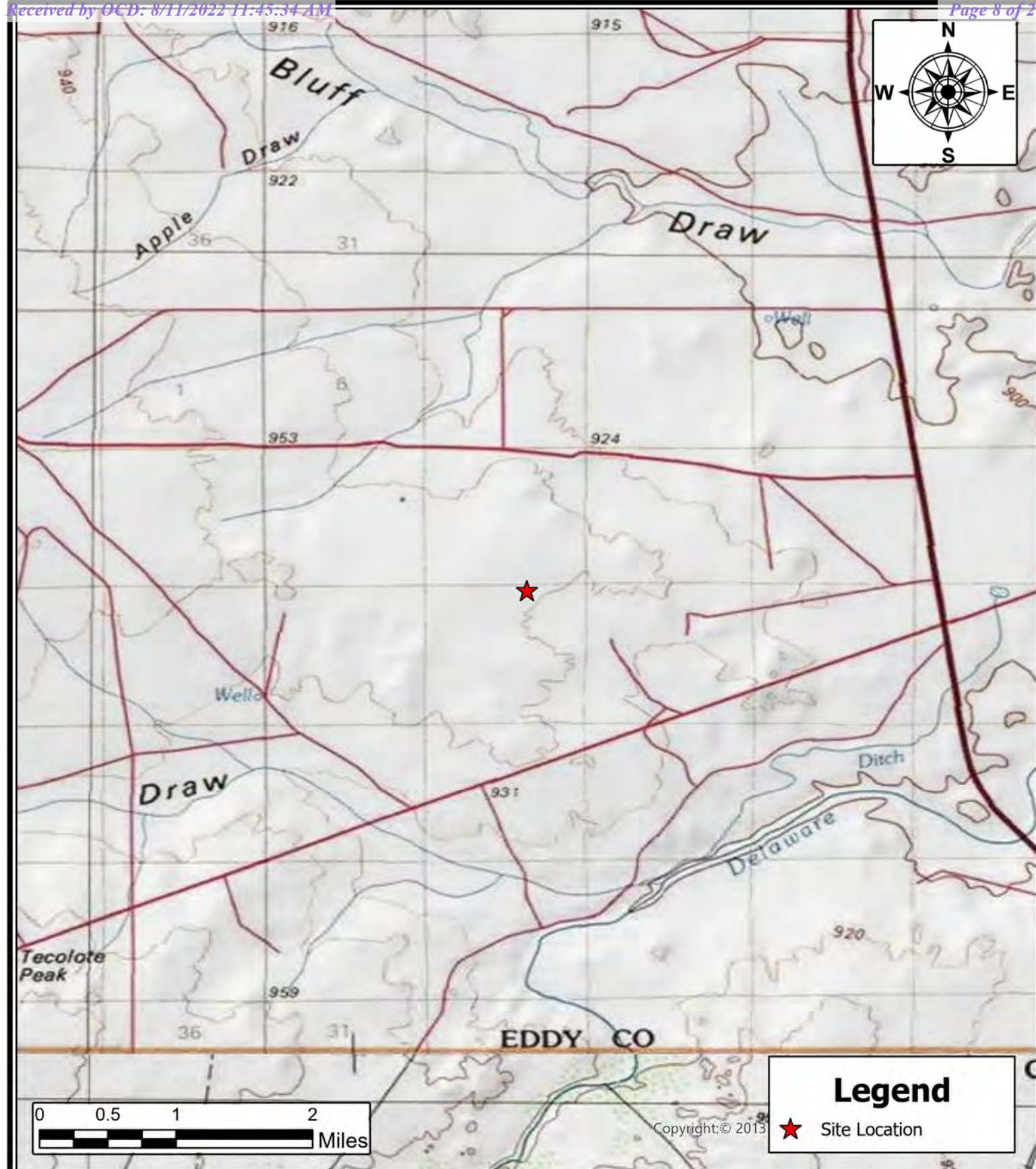
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2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

FIGURE 1

SHEET NUMBER:

1 of 1



TOPOGRAPHIC MAP
COG OPERATING
 SRO STATE COM #45
 EDDY COUNTY, NEW MEXICO
 32.04911, -104.10708

SCALE: As Shown

Date: 7/25/2022



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NOTES:

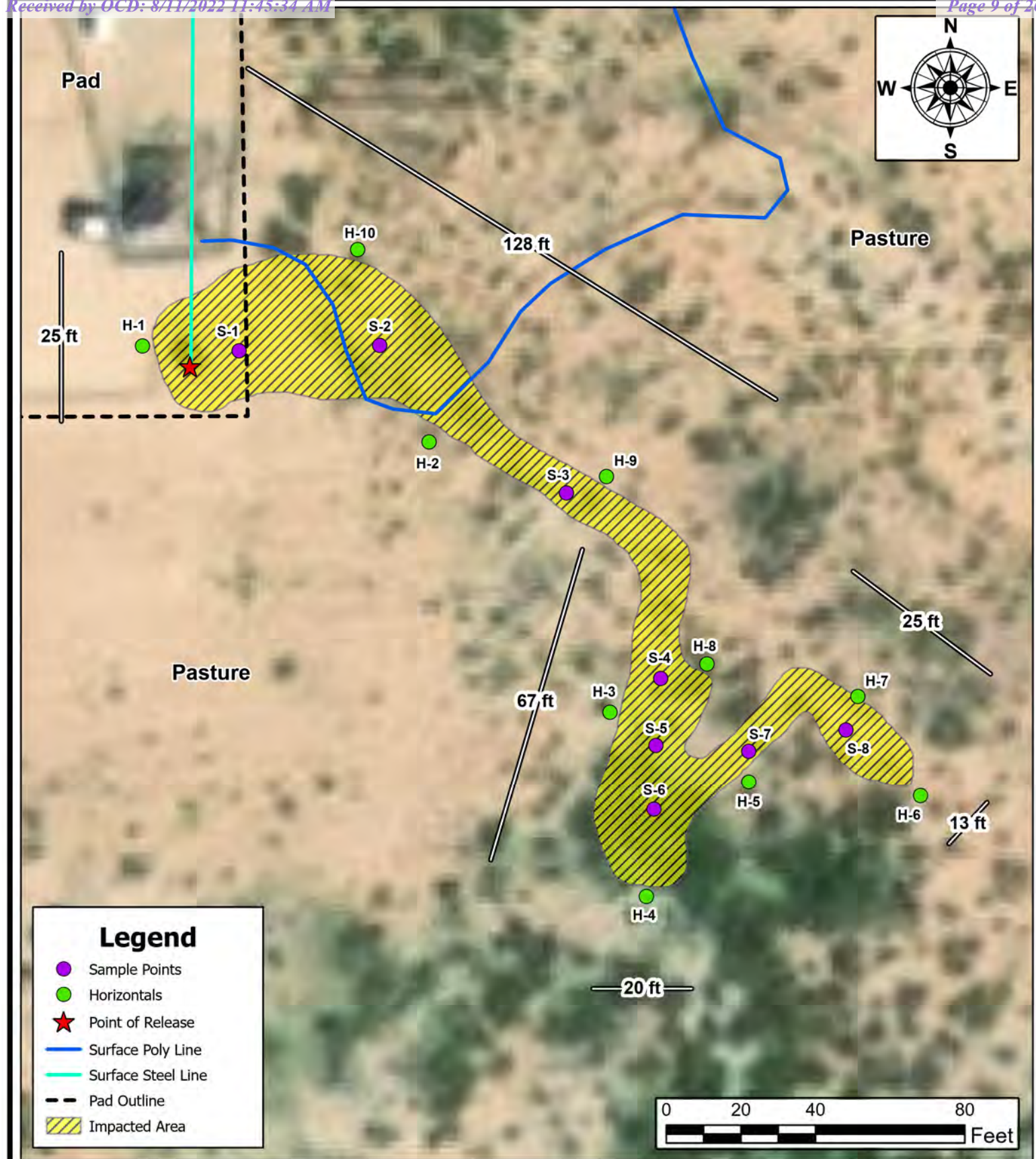
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DRAWING NUMBER:

FIGURE 2

SHEET NUMBER:

1 of 1



SAMPLE LOCATION MAP
COG OPERATING (SOUTH SPILL)
 SRO STATE COM #45
 EDDY COUNTY, NEW MEXICO
 32.04911, -104.10708

SCALE: As Shown

Date: 7/25/2022



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NOTES:

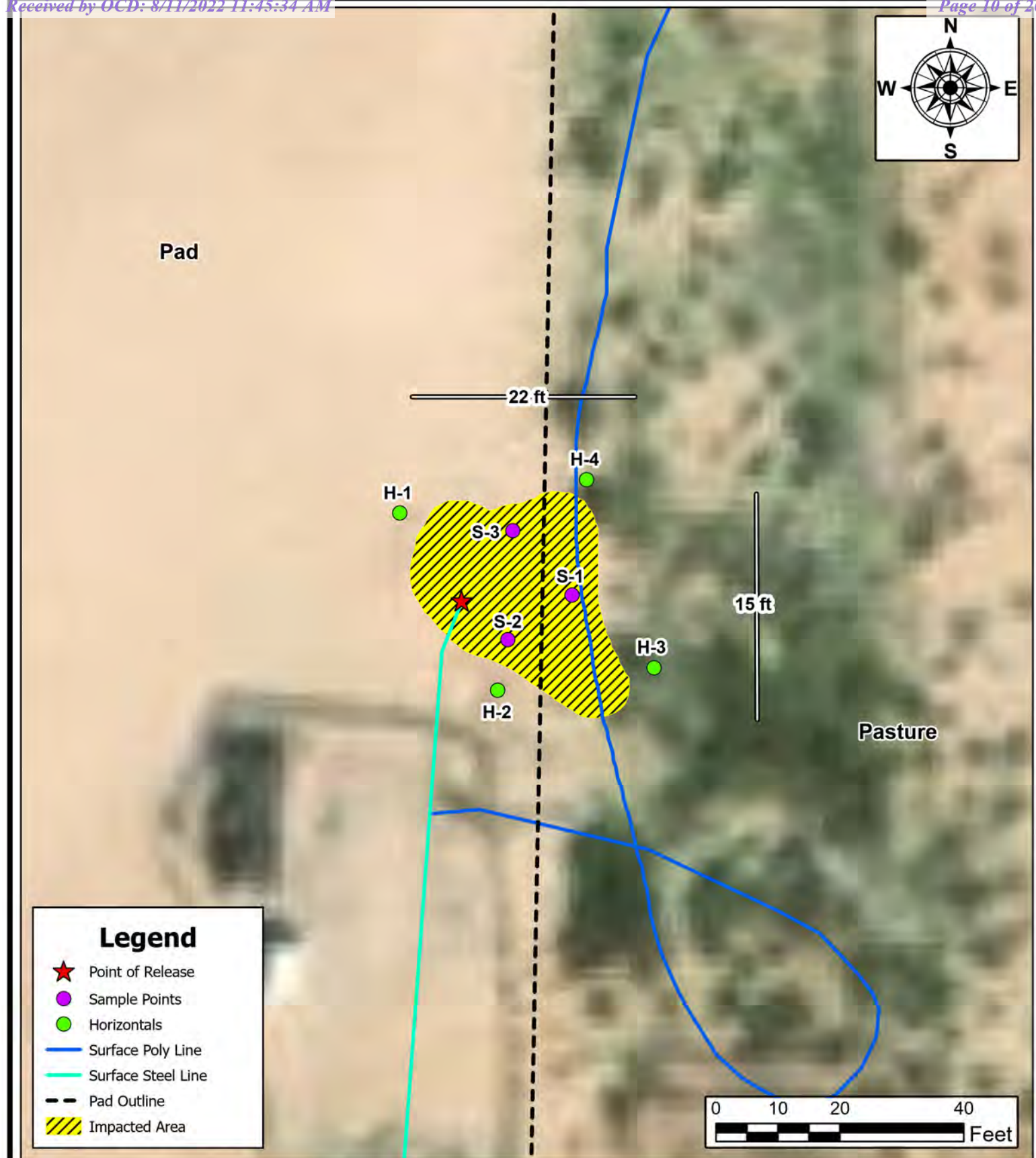
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2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

FIGURE 3A

SHEET NUMBER:

1 of 1



SAMPLE LOCATION MAP
COG OPERATING
 SRO STATE COM #45 (NORTH SPILL)
 EDDY COUNTY, NEW MEXICO
 32.04911, -104.10708

SCALE: As Shown

Date: 7/25/2022



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NOTES:

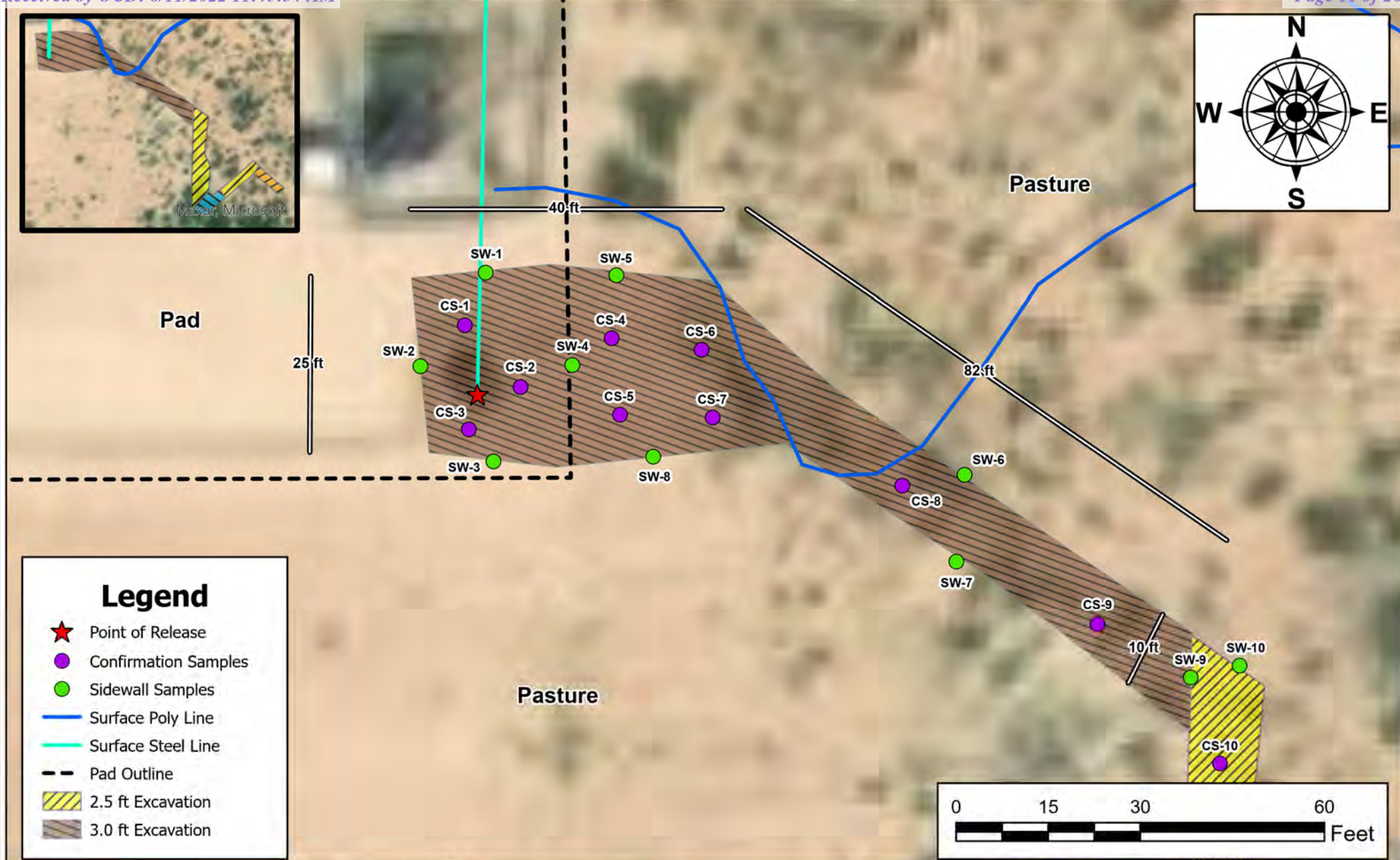
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2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

FIGURE 3B

SHEET NUMBER:

1 of 1



EXCAVATION DEPTH MAP
COG OPERATING
 SRO STATE COM #45 (SOUTH SPILL)
 EDDY COUNTY, NEW MEXICO
 32.04911, -104.10708

SCALE: As Shown

Date: 7/25/2022

Released to Imaging: 9/28/2022 1:38:27 PM



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NOTES:

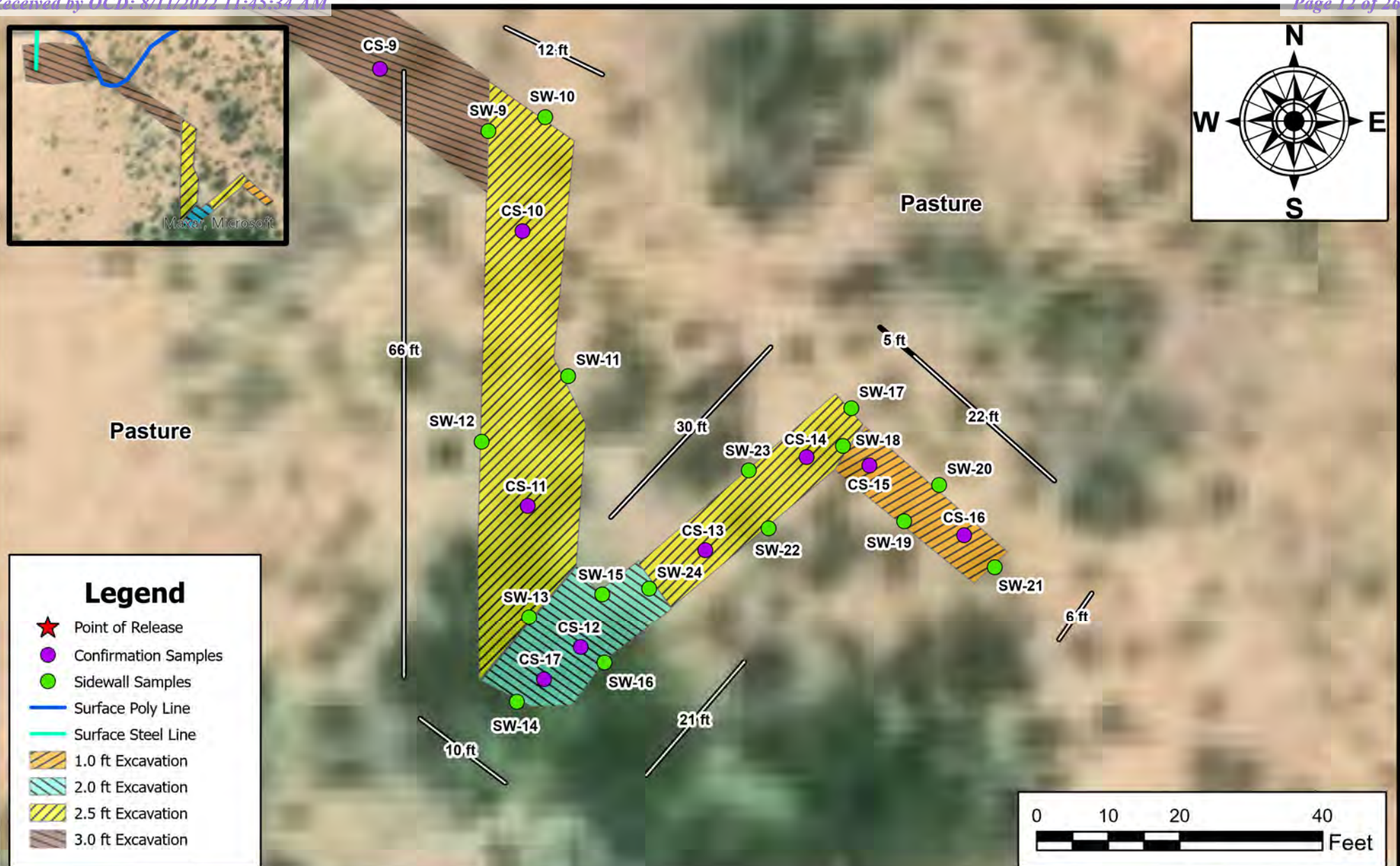
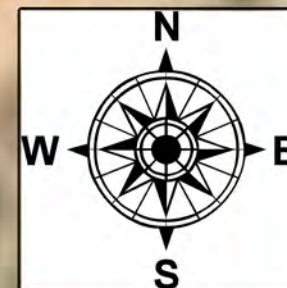
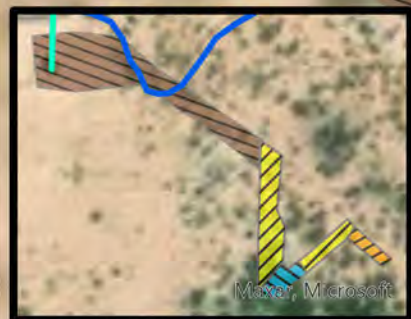
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

FIGURE 4A

SHEET NUMBER:

1 of 2



EXCAVATION DEPTH MAP
COG OPERATING
 SRO STATE COM #45 (SOUTH SPILL)
 EDDY COUNTY, NEW MEXICO
 32.04911, -104.10708



Carmona Resources
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 Midland, Texas 79701

NOTES:

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

DRAWING NUMBER:

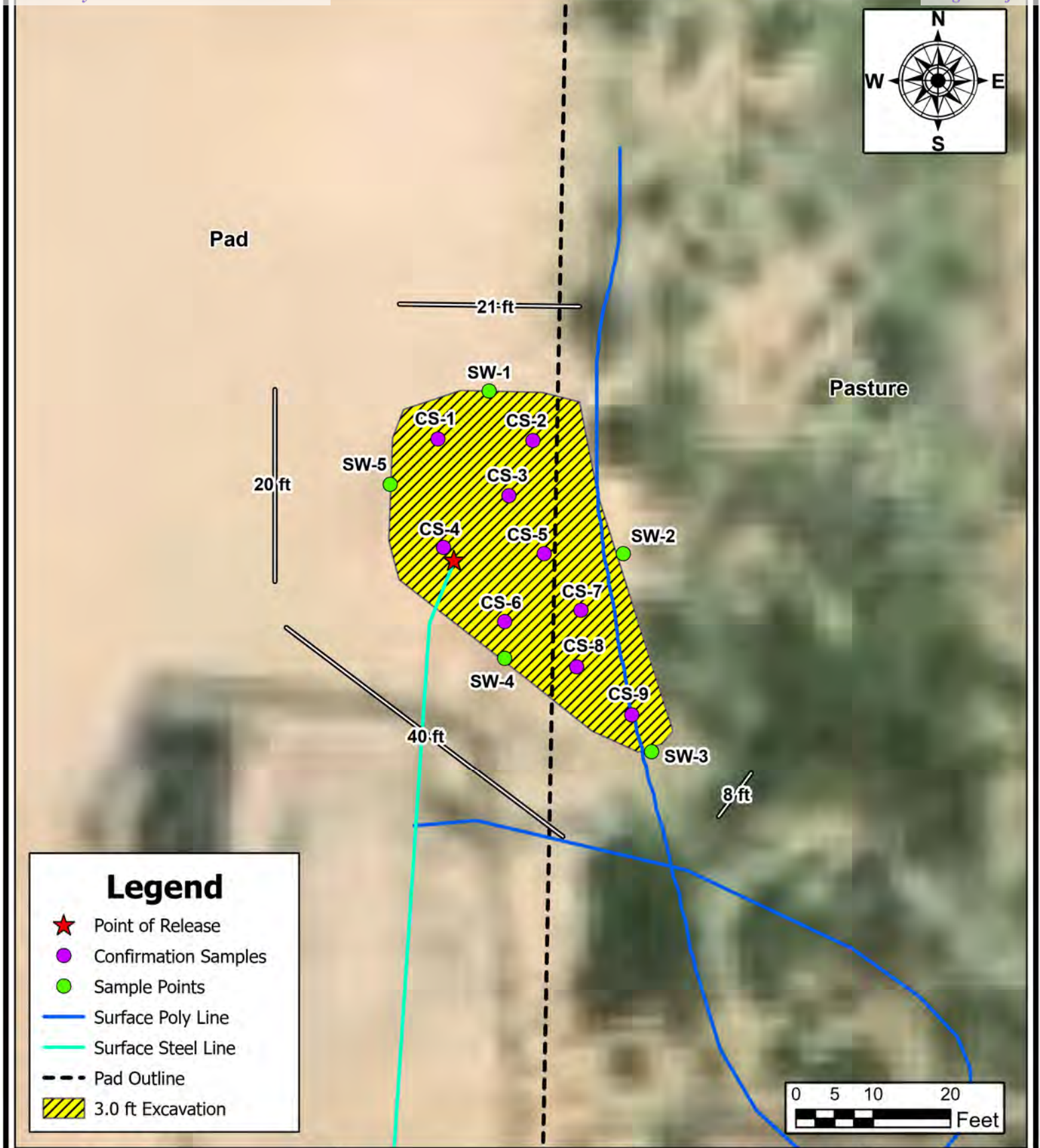
FIGURE 4A

SHEET NUMBER:

2 of 2

SCALE: As Shown

Date: 7/25/2022



<p>EXCAVATION DEPTH MAP COG OPERATING SRO STATE COM #45 (NORTH SPILL) EDDY COUNTY, NEW MEXICO 32.04911, -104.10708</p> <p>SCALE: As Shown Date: 7/25/2022</p>	<p> Carmona Resources 310 West Wall Street, Suite 415 Midland, Texas 79701</p>	<p>NOTES:</p> <p>1. Base Image: ESRI Maps & Data 2013 2. Map Projection: NAD 1983 UTM Zone 13N</p>	<p>DRAWING NUMBER: FIGURE 4B</p> <p>SHEET NUMBER: 1 of 1</p>
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APPENDIX A

CARMONA RESOURCES



Table 1A
COG
SRO State Com #45 (South Spill)
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						
S-1	3/24/2022	0-0.5	30,900	26,400	4,450	61,750	207	626	92.6	813	1,740	176
	"	1.0	95	414	261	770	0.858	2.89	0.527	4.44	8.72	160
	"	1.5	30	289	251	570	0.074	0.419	<0.050	0.501	0.994	144
S-2	3/24/2022	0-0.5	35,400	26,800	4,320	66,520	183	605	87.6	896	1,770	80.0
	"	1.0	26,700	22,100	3,690	52,490	143	497	75.6	732	1,450	176
	"	2.0	21.2	85.9	62.8	170	<0.050	0.131	0.066	0.698	0.895	112
	"	2.5	<10.0	<10.0	<10.0	<10.0	0.396	0.437	<0.050	0.202	1.04	48.0
S-3	3/24/2022	0-0.5	31,700	26,100	4,640	62,440	171	557	85.0	840	1,650	240
	"	1.0	27,400	21,500	3,770	52,670	182	553	79.2	753	1,570	80.0
	"	1.5	31,700	27,400	4,620	63,720	181	563	79.9	773	1,600	80.0
	"	2.5	10.9	<10.0	<10.0	<10.0	0.588	0.700	<0.050	0.393	1.68	32.0
S-4	3/24/2022	0-0.5	29,700	26,700	2,950	59,350	170	536	75.5	763	1,540	720
	"	1.0	31,400	28,100	2,940	62,440	204	587	78.3	779	1,650	32.0
	"	1.5	14,700	15,100	1,460	31,260	56.5	234	36.8	373	701	16.0
	"	2.0	24.2	21.6	<10.0	45.8	0.644	0.832	0.055	0.494	2.02	<16.0
S-5	3/24/2022	0-0.5	8,800	11,600	1,180	21,580	9.99	135	29.3	325	499	16.0
	"	1.0	184	635	67.4	886	0.137	2.54	1.17	13.0	16.9	<16.0
S-6	3/24/2022	0-0.5	34,500	33,500	3,590	71,590	130	471	69.3	736	1,410	48.0
	"	1.0	30,400	27,500	3,000	60,900	136	444	61.8	650	1,290	64.0
	"	1.5	17.1	11.5	<10.0	28.6	0.591	0.691	0.062	0.601	1.95	<16.0
S-7	3/24/2022	0-0.25	34,600	30,200	3,360	68,160	171	526	71.1	757	1,530	32.0
	"	0.5	32,800	29,200	3,010	65,010	168	493	66.8	709	1,440	32.0
	"	1.0	28,800	25,400	2,520	56,720	147	463	60.4	650	1,320	<16.0
	"	1.5	10.2	<10.0	<10.0	10.2	0.157	0.328	<0.050	0.157	0.642	32.0
S-8	3/24/2022	0-0.25	18,100	27,200	3,120	48,420	36.0	283	54.9	594	967	<16.0
	"	0.5	15.2	<10.0	<10.0	15.2	0.121	0.77	0.084	0.731	1.71	<16.0
H-1	3/24/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-2	3/24/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-3	3/24/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-4	3/24/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-5	3/24/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-6	3/24/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-7	3/24/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-8	3/24/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-9	3/24/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-10	3/24/2022	0-0.5	<10.0	<10.0	<10.0	<10.0	0.272	0.333	<0.050	<0.150	0.740	<16.0
Regulatory Criteria ^A						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(S) Sample Point

(H) Horizontal

 Removed

Table 1B
COG
SRO State Com #45 (North Spill)
Eddy County, New Mexico

Sample ID	Date	Depth (in)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	5/7/2022	0-6	8,040	8,500	746	17,300	0.573	0.216	0.263	9.96	0.522	428
	"	18	5,550	7,260	651	13,500	0.388	2.77	0.186	8.19	0.574	330
S-2	5/7/2022	0-3	4,060	13,200	1,260	18,500	0.0390	0.304	0.162	17.3	0.824	436
S-3	5/7/2022	0-3	2,480	22,500	2,310	27,300	0.00859	0.103	0.215	16.9	0.327	229
H-1	5/7/2022	0-3	<49.9	<49.9	<49.9	<49.9	<0.00202	0.00341	0.0016	0.0151	0.0185	88.1
H-2	5/7/2022	0-3	<49.9	<49.9	<49.9	<49.9	0.00731	<0.00201	<0.00201	0.00731	0.0115	87.1
H-3	5/7/2022	0-3	<50.0	<50.0	<50.0	<50.0	<0.00200	0.00328	<0.00200	<0.00399	<0.00399	75.2
H-4	5/7/2022	0-3	<49.9	<49.9	<49.9	<49.9	<0.00200	0.00273	<0.00200	<0.00401	<0.00401	71.9
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

in-inches

(S) Sample Point

(H) Horizontal

Removed

Table 2A
COG
SRO State Com #45 (South Spill)
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							
CS-1	6/15/2022	3.0	<50.0	<50.0	<50.0	<50.0	0.00421	0.0231	0.00409	0.0287	0.0601	100	
CS-2	6/15/2022	3.0	<49.9	<49.9	<49.9	<49.9	0.00574	0.0315	0.00497	0.0338	0.0760	89.4	
CS-3	6/15/2022	3.0	<49.9	<49.9	<49.9	<49.9	0.00477	0.0251	0.00430	0.0355	0.0697	205	
CS-4	6/22/2022	3.0	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.0150	<0.300	64.0	
CS-5	6/22/2022	3.0	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.0150	<0.300	64.0	
CS-6	6/22/2022	3.0	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.0150	<0.300	64.0	
CS-7	6/22/2022	3.0	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.0150	<0.300	48.0	
CS-8	6/22/2022	3.0	<10.0	34.3	<10.0	34.3	<0.50	<0.50	<0.50	<0.0150	<0.300	16.0	
CS-9	6/22/2022	3.0	<10.0	34.5	<10.0	34.5	<0.50	<0.50	<0.50	<0.0150	<0.300	32.0	
CS-10	6/22/2022	2.5	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.0150	<0.300	112	
CS-11	6/22/2022	2.5	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.0150	<0.300	32.0	
CS-12	6/22/2022	2.0	<10.0	11.0	<10.0	11.0	<0.50	<0.50	<0.50	<0.0150	<0.300	16.0	
CS-13	6/22/2022	2.0	27.3	2,000	316	2,343	<0.50	<0.50	<0.50	<0.0150	<0.300	80.0	
	6/24/2022	2.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	10.7	
CS-14	6/22/2022	2.0	<10.0	187	30.5	217.5	<0.50	<0.50	<0.50	<0.0150	<0.300	48.0	
	6/24/2022	2.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	10.0	
CS-15	6/22/2022	1.0	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.0150	<0.300	16.0	
CS-16	6/22/2022	1.0	<10.0	25.7	<10.0	25.7	<0.50	<0.50	<0.50	<0.0150	<0.300	48.0	
CS-17	6/24/2022	2.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	12.3	
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

(CS) Confirmation Sample

Removed

Table 2A
COG
SRO State Com #45 (South Spill)
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	6/15/2022	3.0	<49.9	<49.9	<49.9	<49.9	0.0165	0.0706	0.00991	0.0623	0.159	36.6	
SW-2	6/15/2022	3.0	<49.9	<49.9	<49.9	<49.9	0.0128	0.0580	0.00810	0.0519	0.131	51.8	
SW-3	6/15/2022	3.0	<50.0	<50.0	<50.0	<50.0	0.0140	0.0579	0.00825	0.0536	0.134	56.7	
SW-4	6/22/2022	2.0	396	1,230	517	2,143	0.100	3.27	1.60	17.1	22.1	320	
	6/24/2022	2.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	11.9	
SW-5	6/22/2022	3.0	10.9	145	<10.0	155.9	<0.050	<0.050	<0.050	0.253	<0.300	48.0	
	6/24/2022	3.2	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	15.4	
SW-6	6/22/2022	3.0	<10.0	97.9	<10.0	97.9	<0.50	<0.50	<0.50	<0.0150	<0.300	48.0	
SW-7	6/22/2022	3.0	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.0150	<0.300	112	
SW-8	6/22/2022	3.0	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.0150	<0.300	128	
SW-9	6/22/2022	0.5	520	1,830	284	2,634	0.105	3.47	1.65	17.5	22.7	336	
	6/24/2022	0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	14.7	
SW-10	6/22/2022	2.5	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.0150	<0.300	48.0	
SW-11	6/22/2022	2.5	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.0150	<0.300	80.0	
SW-12	6/22/2022	2.5	10.5	600	71.0	681.5	<0.50	<0.50	<0.50	<0.0150	<0.300	80.0	
	6/24/2022	2.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	25.1	
SW-13	6/22/2022	0.5	<10.0	123	<10.0	123	<0.50	<0.50	<0.50	<0.0150	<0.300	96.0	
	6/24/2022	0.5	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	19.4	
SW-14	6/22/2022	2.0	67.8	1,500	205	1,773	<0.050	<0.050	<0.050	0.561	0.561	32.0	
	6/24/2022	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	0.00649	0.00649	15.4	
SW-15	6/22/2022	2.0	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.0150	<0.300	48.0	
SW-16	6/22/2022	2.0	<10.0	317	40.8	357.8	<0.50	<0.50	<0.50	0.193	<0.300	48.0	
	6/24/2022	2.0	96.4	<50.0	<50.0	96.4	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	36.9	
SW-17	6/22/2022	2.0	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.0150	<0.300	48.0	
SW-18	6/22/2022	1.0	10.1	368	51.5	429.6	<0.50	<0.50	<0.50	0.308	0.308	32.0	
	6/24/2022	1.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	13.8	
SW-19	6/22/2022	1.0	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.0150	<0.300	48.0	
SW-20	6/22/2022	1.0	<10.0	17.9	<10.0	17.9	<0.50	<0.50	<0.50	<0.0150	<0.300	32.0	
SW-21	6/22/2022	1.0	<10.0	<10.0	<10.0	<10.0	<0.50	<0.50	<0.50	<0.0150	<0.300	16.0	
SW-22	6/24/2022	2.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	0.00404	0.00404	15.2	
SW-23	6/24/2022	2.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	12.7	
SW-24	6/24/2022	0.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	0.00765	0.00765	12.4	
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

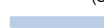
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Table 2B
COG
SRO State Com #45 (North Spill)
Eddy County, New Mexico

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	6/15/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	172
CS-2	6/15/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	164
CS-3	6/15/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	239
CS-4	6/15/2022	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	41.7
CS-5	6/15/2022	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	101
CS-6	6/15/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	106
CS-7	6/15/2022	3.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	47.6
CS-8	6/15/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	106
CS-9	6/15/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	45.0
SW-1	6/15/2022	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	25.2
SW-2	6/15/2022	3.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	27.0
SW-3	6/15/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	29.1
SW-4	6/15/2022	3.0	<49.9	87.6	<49.9	87.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	34.5
SW-5	6/15/2022	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	25.7
Regulatory Criteria ^A						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(CS) Confirmation Sample

(SW) Sidewall

APPENDIX B

CARMONA RESOURCES

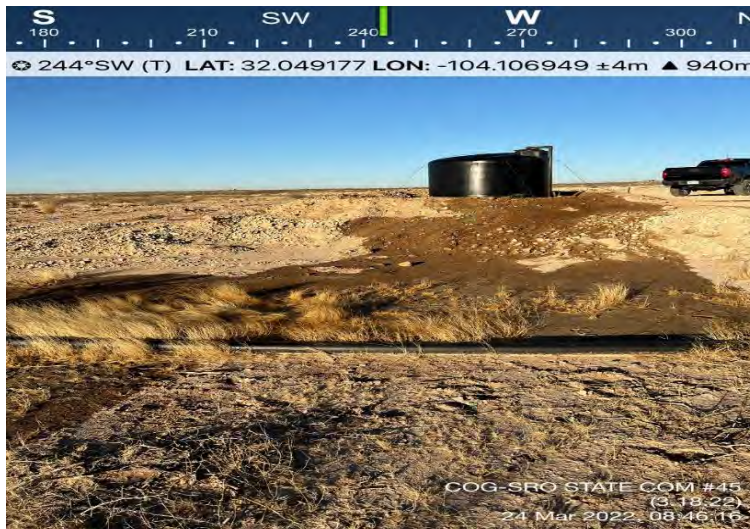


PHOTOGRAPHIC LOG**Concho Operating, LLC****Photograph No. 1****Facility:** SRO State Com #45**County:** Eddy County, New Mexico**Description:**

View South, area of South spill area of concern.

**Photograph No. 2****Facility:** SRO State Com #45**County:** Eddy County, New Mexico**Description:**

View Southwest, area of South Spill area of concern.

**Photograph No. 3****Facility:** SRO State Com #45**County:** Eddy County, New Mexico**Description:**

View Northwest, area of South Spill area of concern.



PHOTOGRAPHIC LOG**Concho Operating, LLC****Photograph No. 4****Facility:** SRO State Com #45**County:** Eddy County, New Mexico**Description:**

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

**Photograph No. 5****Facility:** SRO State Com #45**County:** Eddy County, New Mexico**Description:**

View North, area of confirmation samples (CS-1 through CS-3).

**Photograph No. 6****Facility:** SRO State Com #45**County:** Eddy County, New Mexico**Description:**

View Northwest, backfilled area of confirmation samples (CS-1 through CS-3).



PHOTOGRAPHIC LOG

Concho Operating, LLC

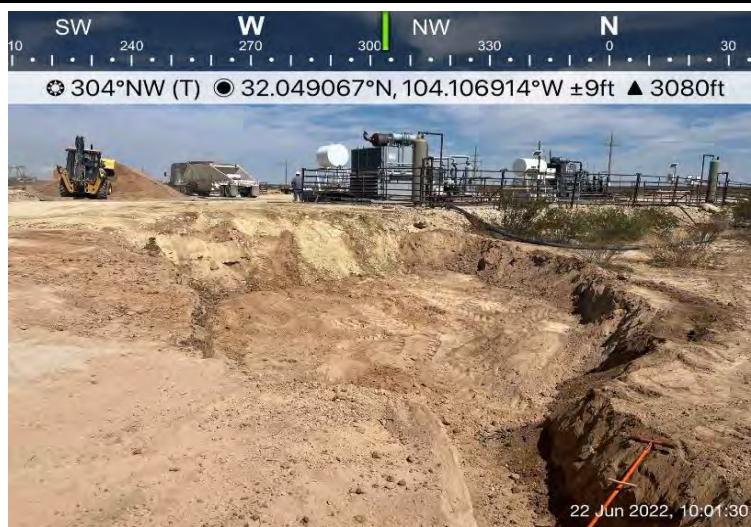
Photograph No. 7

Facility: SRO State Com #45

County: Eddy County, New Mexico

Description:

View Northwest, area of confirmation samples CS-4 through CS-8).



Photograph No. 8

Facility: SRO State Com #45

County: Eddy County, New Mexico

Description:

View Southeast, area of confirmation samples (CS-4 through CS-9).



Photograph No. 9

Facility: SRO State Com #45

County: Eddy County, New Mexico

Description:

View Southeast, area of confirmation samples (CS-8 through CS-9).



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 10

Facility: SRO State Com #45

County: Eddy County, New Mexico

Description:

View Northeast, area of confirmation samples (CS-10 through CS-12).



Photograph No. 11

Facility: SRO State Com #45

County: Eddy County, New Mexico

Description:

View East, area of confirmation samples (CS-12 and CS-17).



Photograph No. 12

Facility: SRO State Com #45

County: Eddy County, New Mexico

Description:

View North, area of confirmation samples (CS-13 through CS-14).



PHOTOGRAPHIC LOG**Concho Operating, LLC****Photograph No. 13****Facility:** SRO State Com #45**County:** Eddy County, New Mexico**Description:**

View Northwest, area of confirmation samples (CS-15 through CS-16).

**Photograph No. 14****Facility:** SRO State Com #45**County:** Eddy County, New Mexico**Description:**

View Northwest, backfilled and seeded area.

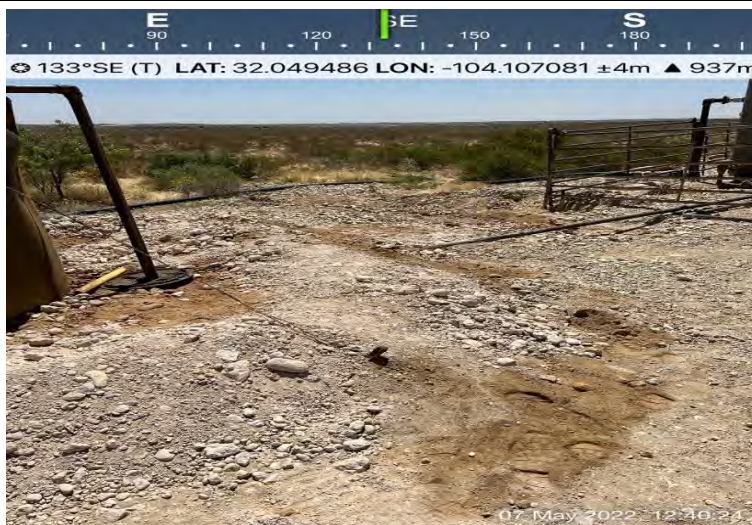
**Photograph No. 15****Facility:** SRO State Com #45**County:** Eddy County, New Mexico**Description:**

View Southeast, backfilled and seeded area.



PHOTOGRAPHIC LOG**Concho Operating, LLC****Photograph No. 16****Facility:** SRO State Com #45**County:** Eddy County, New Mexico**Description:**

View Southeast, area of North Spill area of concern.

**Photograph No. 17****Facility:** SRO State Com #45**County:** Eddy County, New Mexico**Description:**

View South, area of North Spill area of concern.

**Photograph No. 18****Facility:** SRO State Com #45**County:** Eddy County, New Mexico**Description:**

View Southeast, area of North Spill area of concern.



PHOTOGRAPHIC LOG**Concho Operating, LLC****Photograph No. 19****Facility:** SRO State Com #45**County:** Eddy County, New Mexico**Description:**

View North, area of remediation.

**Photograph No. 20****Facility:** SRO State Com #45**County:** Eddy County, New Mexico**Description:**

View Northeast, area of remediation.

**Photograph No. 21****Facility:** SRO State Com #45**County:** Eddy County, New Mexico**Description:**

View Northwest, area of remediation.



PHOTOGRAPHIC LOG**Concho Operating, LLC****Photograph No. 22****Facility:** SRO State Com #45**County:** Eddy County, New Mexico**Description:**

View East, area of confirmation samples (CS-1 through CS-9).

**Photograph No. 23****Facility:** SRO State Com #45**County:** Eddy County, New Mexico**Description:**

View East, area of confirmation samples (CS-1 through CS-9).

**Photograph No. 24****Facility:** SRO State Com #45**County:** Eddy County, New Mexico**Description:**

View Southeast, area of confirmation samples (CS-1 through CS-9).



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 25

Facility: SRO State Com #45

County: Eddy County, New Mexico

Description:

View Northwest, backfilled area.



Photograph No. 26

Facility: SRO State Com #45

County: Eddy County, New Mexico

Description:

View south, backfilled area.



Photograph No. 27

Facility: SRO State Com #45

County: Eddy County, New Mexico

Description:

View East, backfilled 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)


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

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

<input type="checkbox"/> The source of the release has been stopped.	
<input type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name _____	Title: _____
Signature: <u></u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>04/01/2022</u>

L48 Spill Volume Estimate Form

Facility Name & Number:	SRO St Com #45H
Asset Area:	DBW
Release Discovery Date & Time:	3/18/22 700
Release Type:	Oil Mixture
Provide any known details about the event:	Offsite compressor with bermed containment.

Spill Calculation - On Pad Surface Pool Spill

Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Deepest point in each of the areas (in.)	No. of boundaries of "shore" in each area	Estimated Pool Area (sq. ft.)	Estimated Average Depth (ft.)	Estimated volume of each pool area (bbl.)	Penetration allowance (ft.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
Rectangle A	10.0	10.0	8.00	3	100.000	0.222	3.956	0.011	4.000		0.000	4.000
Rectangle B	8.0	10.0	0.50	3	80.000	0.014	0.198	0.001	0.198		0.000	0.198
Rectangle C	8.0	0.5	0.50	3	4.000	0.014	0.010	0.001	0.010		0.000	0.010
Rectangle D					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle E					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle F					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle G					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle H					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Rectangle I					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#DIV/0!	#DIV/0!
Total Volume Release:									4.207		0.000	4.207

L48 Spill Volume Estimate Form

Received by OCD: 8/11/2022 11:45:34 AM

Page 34 of 268

Name & Number:	SRO St COM #45H
Asset Area:	DBW
Release Discovery Date & Time:	3/18/2022 7:00
Release Type:	Oil Mixture
Provide any known details about the event:	Offsite compressor with bermed containment, some overflow went outside containment.

Spill Calculation - Subsurface Spill - Rectangle

Was the release on pad or off-pad?	See reference table below
Has it rained at least a half inch in the last 24 hours?	See reference table below

Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Depth (in.)	Soil Spilled-Fluid Saturation	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
Rectangle A	66.0	8.0	0.20	11.30%	1.566	0.177		0.000	0.177
Rectangle B	132.0	8.0	0.20	11.30%	3.133	0.354		0.000	0.354
Rectangle C	204.0	8.0	0.20	11.30%	4.842	0.547		0.000	0.547
Rectangle D					0.000	0.000		0.000	0.000
Rectangle E					0.000	0.000		0.000	0.000
Rectangle F					0.000	0.000		0.000	0.000
Rectangle G					0.000	0.000		0.000	0.000
Rectangle H					0.000	0.000		0.000	0.000
Rectangle I					0.000	0.000		0.000	0.000
					0.000	0.000		0.000	0.000
Total Volume Release:						1.078		0.000	1.078

Released to Imaging: 9/28/2022 1:38:27 PM

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 95257

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 95257
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	4/1/2022

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Jacqueline 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: Jacques Thomas 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: Jennifer Nobui Date: _____

Printed Name: _____ Title: _____

From: Mike Carmona
Sent: Monday, June 20, 2022 9:50 AM
To: OCD.Enviro@state.nm.us
Cc: Harris, Jacqui; Ashton Thielke
Subject: SRO State Com #45 (03.18.22 and 04.01.22)

Good morning,

On behalf of COG, Carmona Resources will be collecting confirmation samples for the remainder of the spill at the below-referenced site for the at-risk remediation on 6/22/22 around 12 p.m. Mountain Time. Please let me know if you have any questions.

SRO State Com #45 (03.18.22 and 04.01.22)
Sec 17 T26S R28E Unit B
32.049194 -104.107110
Eddy County, New Mexico

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



From: Mike Carmona
Sent: Monday, June 13, 2022 3:56 PM
To: OCD.Enviro@state.nm.us
Cc: Harris, Jacqui; Ashton Thielke
Subject: COG SRO State Com #45 (03.28.22)

Good Morning,

On behalf of COG, Carmona Resources will be collecting confirmation samples at the below-referenced site for the at-risk remediation on 6/15/22 around 4:00 p.m. Mountain Time. Please let me know if you have any questions.

SRO State Com #45 (03.28.22)
Sec 17 T26S R28E Unit B
32.049443°, -104.107077°
Eddy County, New Mexico

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



APPENDIX D

CARMONA RESOURCES



Nearest water well

COG Operating

Legend

- 0.50 Miles Radius
- 0.61 Miles
- 2.01 Miles
- 2.38 Miles
- 2.40 Miles
- NMSEO Water Well
- SRO State Com #45 (03.18.22)
- USGS Water Well



SRO State Com #45 (03.18.22)

16.35' - Drilled 1998

175' - Drilled 2017

155.92 - Drilled 2021

120' - Drilled 1961



medium karst

COG Operating

Legend

-  High
-  Medium
-  SRO State Com #45 (03.18.22)

© SRO State Com #45 (03.18.22)

285



1 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	Depth Well	Depth Water	Water Column
C 01668	CUB	ED		3	3	12	26S	28E		589957	3546554*	250	100	150
C 02160	CUB	ED		4	1	2	14	26S	28E	589243	3546044*	300	120	180
C 02160 S	CUB	ED		1	1	2	14	26S	28E	589043	3546244*	300	120	180
C 02160 S2	CUB	ED		1	1	2	14	26S	28E	589043	3546244*	300	120	180
C 02160 S3	CUB	ED		2	2	1	14	26S	28E	588834	3546241*	300	120	180
C 02160 S4	CUB	ED		2	2	1	14	26S	28E	588834	3546241*	300	120	180
C 02160 S5	CUB	ED		1	1	1	14	26S	28E	588225	3546237*	300	120	180
C 02160 S6	CUB	ED		3	3	1	14	26S	28E	588232	3545635*	300	120	180
C 02160 S7	CUB	ED		3	3	1	22	26S	28E	586638	3543998*	300	120	180
C 02160 S8	CUB	ED		2	3	3	12	26S	28E	590056	3546653*	200	120	80
C 02160 S9	CUB	ED		3	3	2	02	26S	28E	589020	3548868*	300	120	180
C 02477	CUB	ED		1	1	03	26S	28E		586687	3549347*	150		
C 02478	CUB	ED		2	1	05	26S	28E		583848	3549325*	100		
C 02479	CUB	ED		4	4	10	26S	28E		587909	3546534*	200		
C 02480	CUB	ED		4	4	10	26S	28E		587909	3546534*	150		
C 02481	CUB	ED		1	1	14	26S	28E		588326	3546138*	200		
C 02894	C	ED		2	2	3	12	26S	28E	590458	3547061*	240		
C 02924	C	ED		1	3	2	11	26S	28E	589032	3547451*			
C 04022 POD1	CUB	ED		4	4	2	15	26S	28E	588082	3545647	220	175	45
C 04022 POD2	CUB	ED		2	2	2	27	26S	28E	588106	3543082	250	145	105
C 04466 POD1	CUB	ED		3	3	2	29	26S	28E	584327	3542357	96	33	63

*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.

3/22/22 2:39 PM

Page 1 of 2

WATER COLUMN/ AVERAGE
DEPTH TO WATER

Average Depth to Water: **118 feet**

Minimum Depth: **33 feet**

Maximum Depth: **175 feet**

Record Count: 21

PLSS Search:

Township: 26S

Range: 28E



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)						(NAD83 UTM in meters)	
		(quarters are smallest to largest)						X	Y
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tw	Rng		
C	02160 S7	3	3	1	22	26S	28E	586638	3543998*

Driller License:		Driller Company:	
Driller Name: HEMLER			
Drill Start Date:		Drill Finish Date:	01/01/1961
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.

3/22/22 7:21 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

C 04022 POD1

Q64

Q16

Q4

Sec

Tw

Rng

4

4

2

15

26S

28E

X

Y

588082

3545647

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

Water Bearing Stratifications:

Top

Bottom

Description

175

180

Sandstone/Gravel/Conglomerate

Casing Perforations:

Top

Bottom

160

220

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.



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USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

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- [Full News](#)

Groundwater levels for New Mexico

Click to hide state-specific text

* IMPORTANT: [Next Generation Station 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 measur
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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Page Last Modified: 2021-08-06 09:24:15 EDT

0.32 0.29 nadww01



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Data Category: Groundwater Geographic Area: New Mexico GO

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Click to hide state-specific text

* IMPORTANT: [Next Generation Station 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 measu
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 date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
2003-01-27			D	62610	2874.98	NGVD29	1	S	USGS	
2003-01-27			D	62611	2876.55	NAVD88	1	S	USGS	
2003-01-27			D	72019	97.02		1	S	USGS	
2013-01-09	20:30 UTC		m	62610	2832.88	NGVD29	1	S	USGS	
2013-01-09	20:30 UTC		m	62611	2834.45	NAVD88	1	S	USGS	
2013-01-09	20:30 UTC		m	72019	139.12		1	S	USGS	
2021-02-24	20:05 UTC		m	62610	2816.08	NGVD29	1	V	USGS	
2021-02-24	20:05 UTC		m	62611	2817.65	NAVD88	1	V	USGS	
2021-02-24	20:05 UTC		m	72019	155.92		1	V	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

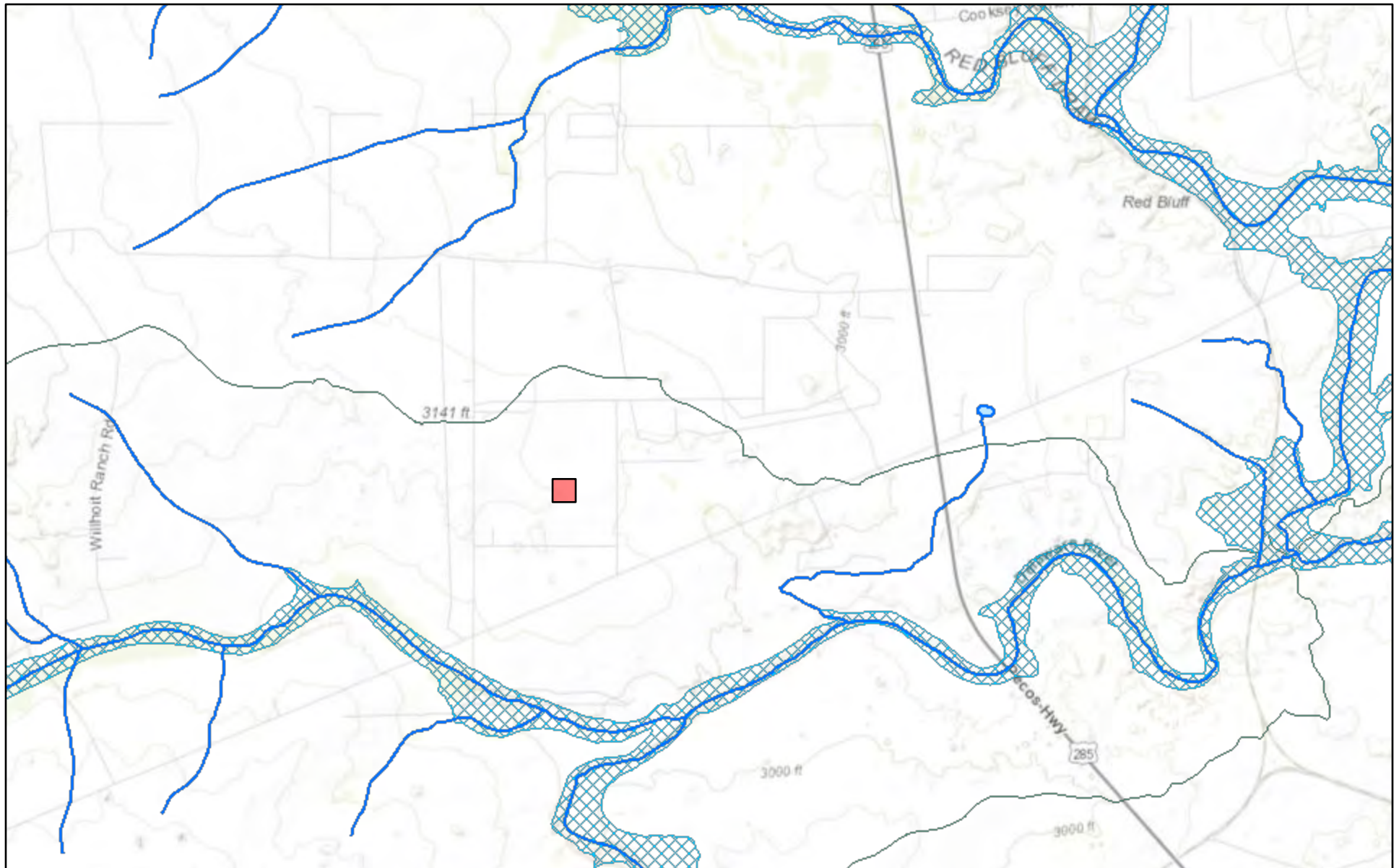
URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>Page Contact Information: [New Mexico Water Data Maintainer](#)

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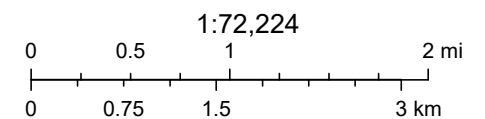
0.28 0.24 nadww01



New Mexico NFHL Data



March 25, 2022



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

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APPENDIX E

CARMONA RESOURCES





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

March 29, 2022

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: SRO STATE COM #45

Enclosed are the results of analyses for samples received by the laboratory on 03/24/22 14:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/24/2022
 Reported: 03/29/2022
 Project Name: SRO STATE COM #45
 Project Number: 1033 (03.18.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 03/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 1 (0-0.5') (H221166-01)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	207	5.00	03/27/2022	ND	1.89	94.4	2.00	2.78	
Toluene*	626	5.00	03/27/2022	ND	2.08	104	2.00	2.77	
Ethylbenzene*	92.6	5.00	03/27/2022	ND	2.16	108	2.00	2.39	
Total Xylenes*	813	15.0	03/27/2022	ND	6.69	111	6.00	2.27	
Total BTX	1740	30.0	03/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/28/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	30900	100	03/26/2022	ND	193	96.4	200	4.29		
DRO >C10-C28*	26400	100	03/26/2022	ND	178	89.0	200	3.04		
EXT DRO >C28-C36	4450	100	03/26/2022	ND						

Surrogate: 1-Chlorooctane 2360 % 66.9-136

Surrogate: 1-Chlorooctadecane 758 % 59.5-142

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Analytical Results For:

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

Received: 03/24/2022
 Reported: 03/29/2022
 Project Name: SRO STATE COM #45
 Project Number: 1033 (03.18.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 03/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 1 (1') (H221166-02)

BTEx 8021B		mg/kg		Analyzed By: MS\				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.858	0.050	03/25/2022	ND	1.89	94.4	2.00	2.78	
Toluene*	2.89	0.050	03/25/2022	ND	2.08	104	2.00	2.77	
Ethylbenzene*	0.527	0.050	03/25/2022	ND	2.16	108	2.00	2.39	
Total Xylenes*	4.44	0.150	03/25/2022	ND	6.69	111	6.00	2.27	
Total BTEx	8.72	0.300	03/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 166 % 69.9-140

Chloride, SM4500Cl-B			mg/kg					Analyzed By: AC			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	160	16.0	03/28/2022	ND	416	104	400	0.00			

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	95.4	10.0	03/25/2022	ND	193	96.4	200	4.29		
DRO >C10-C28*	414	10.0	03/25/2022	ND	178	89.0	200	3.04		
EXT DRO >C28-C36	261	10.0	03/25/2022	ND						

Surrogate: 1-Chlorooctane 87.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 84.3 % 59.5-142

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Analytical Results For:

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

Received: 03/24/2022
 Reported: 03/29/2022
 Project Name: SRO STATE COM #45
 Project Number: 1033 (03.18.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 03/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 1 (1.5') (H221166-03)

BTEx 8021B		mg/kg	Analyzed By: MS\					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.074	0.050	03/25/2022	ND	1.89	94.4	2.00	2.78	
Toluene*	0.419	0.050	03/25/2022	ND	2.08	104	2.00	2.77	
Ethylbenzene*	<0.050	0.050	03/25/2022	ND	2.16	108	2.00	2.39	
Total Xylenes*	0.501	0.150	03/25/2022	ND	6.69	111	6.00	2.27	
Total BTEX	0.994	0.300	03/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 143 % 69.9-140

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/28/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	30.1	10.0	03/25/2022	ND	193	96.4	200	4.29	
DRO >C10-C28*	289	10.0	03/25/2022	ND	178	89.0	200	3.04	
EXT DRO >C28-C36	251	10.0	03/25/2022	ND					

Surrogate: 1-Chlorooctane 64.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 61.7 % 59.5-142

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Analytical Results For:

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

Received: 03/24/2022
 Reported: 03/29/2022
 Project Name: SRO STATE COM #45
 Project Number: 1033 (03.18.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 03/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 2 (0-0.5') (H221166-04)

BTEx 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	183	5.00	03/27/2022	ND	1.80	89.9	2.00	6.27	
Toluene*	605	5.00	03/27/2022	ND	2.02	101	2.00	6.09	
Ethylbenzene*	87.6	5.00	03/27/2022	ND	2.12	106	2.00	6.20	
Total Xylenes*	896	15.0	03/27/2022	ND	6.57	109	6.00	6.11	
Total BTEX	1770	30.0	03/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/28/2022	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	35400	100	03/26/2022	ND	193	96.4	200	4.29	
DRO >C10-C28*	26800	100	03/26/2022	ND	178	89.0	200	3.04	
EXT DRO >C28-C36	4320	100	03/26/2022	ND					

Surrogate: 1-Chlorooctane 2530 % 66.9-136

Surrogate: 1-Chlorooctadecane 773 % 59.5-142

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Analytical Results For:

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

Received: 03/24/2022
 Reported: 03/29/2022
 Project Name: SRO STATE COM #45
 Project Number: 1033 (03.18.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 03/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 2 (1') (H221166-05)

BTEx 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	143	5.00	03/27/2022	ND	1.80	89.9	2.00	6.27	
Toluene*	497	5.00	03/27/2022	ND	2.02	101	2.00	6.09	
Ethylbenzene*	75.6	5.00	03/27/2022	ND	2.12	106	2.00	6.20	
Total Xylenes*	732	15.0	03/27/2022	ND	6.57	109	6.00	6.11	
Total BTEX	1450	30.0	03/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/28/2022	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	26700	100	03/26/2022	ND	193	96.4	200	4.29	
DRO >C10-C28*	22100	100	03/26/2022	ND	178	89.0	200	3.04	
EXT DRO >C28-C36	3690	100	03/26/2022	ND					

Surrogate: 1-Chlorooctane 2050 % 66.9-136

Surrogate: 1-Chlorooctadecane 616 % 59.5-142

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Analytical Results For:

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

Received: 03/24/2022
 Reported: 03/29/2022
 Project Name: SRO STATE COM #45
 Project Number: 1033 (03.18.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 03/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 2 (2') (H221166-06)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/27/2022	ND	1.80	89.9	2.00	6.27	
Toluene*	0.131	0.050	03/27/2022	ND	2.02	101	2.00	6.09	
Ethylbenzene*	0.066	0.050	03/27/2022	ND	2.12	106	2.00	6.20	
Total Xylenes*	0.698	0.150	03/27/2022	ND	6.57	109	6.00	6.11	
Total BTX	0.895	0.300	03/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/28/2022	ND	416	104	400	0.00		

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	21.2	10.0	03/26/2022	ND	193	96.4	200	4.29	
DRO >C10-C28*	85.9	10.0	03/26/2022	ND	178	89.0	200	3.04	
EXT DRO >C28-C36	62.8	10.0	03/26/2022	ND					

Surrogate: 1-Chlorooctane 84.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 78.9 % 59.5-142

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Analytical Results For:

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

Received: 03/24/2022
 Reported: 03/29/2022
 Project Name: SRO STATE COM #45
 Project Number: 1033 (03.18.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 03/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 2 (2.5') (H221166-07)

BTEx 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.396	0.050	03/27/2022	ND	1.80	89.9	2.00	6.27	
Toluene*	0.437	0.050	03/27/2022	ND	2.02	101	2.00	6.09	
Ethylbenzene*	<0.050	0.050	03/27/2022	ND	2.12	106	2.00	6.20	
Total Xylenes*	0.202	0.150	03/27/2022	ND	6.57	109	6.00	6.11	
Total BTEX	1.04	0.300	03/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/28/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2022	ND	193	96.4	200	4.29	
DRO >C10-C28*	<10.0	10.0	03/26/2022	ND	178	89.0	200	3.04	
EXT DRO >C28-C36	<10.0	10.0	03/26/2022	ND					

Surrogate: 1-Chlorooctane 85.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 80.1 % 59.5-142

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Analytical Results For:

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

Received: 03/24/2022
 Reported: 03/29/2022
 Project Name: SRO STATE COM #45
 Project Number: 1033 (03.18.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 03/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 3 (0-0.5') (H221166-08)

BTEx 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	171	5.00	03/27/2022	ND	1.80	89.9	2.00	6.27	
Toluene*	557	5.00	03/27/2022	ND	2.02	101	2.00	6.09	
Ethylbenzene*	85.0	5.00	03/27/2022	ND	2.12	106	2.00	6.20	
Total Xylenes*	840	15.0	03/27/2022	ND	6.57	109	6.00	6.11	
Total BTEX	1650	30.0	03/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	03/28/2022	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	31700	100	03/26/2022	ND	193	96.4	200	4.29	
DRO >C10-C28*	26100	100	03/26/2022	ND	178	89.0	200	3.04	
EXT DRO >C28-C36	4640	100	03/26/2022	ND					

Surrogate: 1-Chlorooctane 2410 % 66.9-136

Surrogate: 1-Chlorooctadecane 758 % 59.5-142

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Analytical Results For:

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

Received: 03/24/2022
 Reported: 03/29/2022
 Project Name: SRO STATE COM #45
 Project Number: 1033 (03.18.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 03/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 3 (1') (H221166-09)

BTEx 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	182	5.00	03/27/2022	ND	1.80	89.9	2.00	6.27	
Toluene*	553	5.00	03/27/2022	ND	2.02	101	2.00	6.09	
Ethylbenzene*	79.2	5.00	03/27/2022	ND	2.12	106	2.00	6.20	
Total Xylenes*	753	15.0	03/27/2022	ND	6.57	109	6.00	6.11	
Total BTEX	1570	30.0	03/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/28/2022	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	27400	100	03/26/2022	ND	193	96.4	200	4.29	
DRO >C10-C28*	21500	100	03/26/2022	ND	178	89.0	200	3.04	
EXT DRO >C28-C36	3770	100	03/26/2022	ND					

Surrogate: 1-Chlorooctane 1990 % 66.9-136

Surrogate: 1-Chlorooctadecane 512 % 59.5-142

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Analytical Results For:

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

Received: 03/24/2022
 Reported: 03/29/2022
 Project Name: SRO STATE COM #45
 Project Number: 1033 (03.18.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 03/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 3 (1.5') (H221166-10)

BTEx 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	181	5.00	03/27/2022	ND	1.80	89.9	2.00	6.27	
Toluene*	563	5.00	03/27/2022	ND	2.02	101	2.00	6.09	
Ethylbenzene*	79.9	5.00	03/27/2022	ND	2.12	106	2.00	6.20	
Total Xylenes*	773	15.0	03/27/2022	ND	6.57	109	6.00	6.11	
Total BTEX	1600	30.0	03/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/28/2022	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	31700	100	03/26/2022	ND	193	96.4	200	4.29	
DRO >C10-C28*	27400	100	03/26/2022	ND	178	89.0	200	3.04	
EXT DRO >C28-C36	4620	100	03/26/2022	ND					

Surrogate: 1-Chlorooctane 2280 % 66.9-136

Surrogate: 1-Chlorooctadecane 747 % 59.5-142

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Analytical Results For:

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

Received: 03/24/2022
 Reported: 03/29/2022
 Project Name: SRO STATE COM #45
 Project Number: 1033 (03.18.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 03/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 3 (2.5') (H221166-11)

BTEx 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.588	0.050	03/27/2022	ND	1.80	89.9	2.00	6.27	
Toluene*	0.700	0.050	03/27/2022	ND	2.02	101	2.00	6.09	
Ethylbenzene*	<0.050	0.050	03/27/2022	ND	2.12	106	2.00	6.20	
Total Xylenes*	0.393	0.150	03/27/2022	ND	6.57	109	6.00	6.11	
Total BTEX	1.68	0.300	03/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/28/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	10.9	10.0	03/26/2022	ND	193	96.4	200	4.29	
DRO >C10-C28*	<10.0	10.0	03/26/2022	ND	178	89.0	200	3.04	
EXT DRO >C28-C36	<10.0	10.0	03/26/2022	ND					

Surrogate: 1-Chlorooctane 77.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 69.6 % 59.5-142

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Analytical Results For:

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

Received: 03/24/2022
 Reported: 03/29/2022
 Project Name: SRO STATE COM #45
 Project Number: 1033 (03.18.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 03/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 4 (0-0.5') (H221166-12)

BTEx 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	170	5.00	03/27/2022	ND	1.80	89.9	2.00	6.27	
Toluene*	536	5.00	03/27/2022	ND	2.02	101	2.00	6.09	
Ethylbenzene*	75.5	5.00	03/27/2022	ND	2.12	106	2.00	6.20	
Total Xylenes*	763	15.0	03/27/2022	ND	6.57	109	6.00	6.11	
Total BTEX	1540	30.0	03/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	03/28/2022	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	29700	100	03/26/2022	ND	203	102	200	2.64	
DRO >C10-C28*	26700	100	03/26/2022	ND	201	101	200	1.80	
EXT DRO >C28-C36	2950	100	03/26/2022	ND					

Surrogate: 1-Chlorooctane 635 % 66.9-136

Surrogate: 1-Chlorooctadecane 678 % 59.5-142

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Analytical Results For:

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

Received: 03/24/2022
 Reported: 03/29/2022
 Project Name: SRO STATE COM #45
 Project Number: 1033 (03.18.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 03/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 4 (1') (H221166-13)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	204	5.00	03/27/2022	ND	1.80	89.9	2.00	6.27	
Toluene*	587	5.00	03/27/2022	ND	2.02	101	2.00	6.09	
Ethylbenzene*	78.3	5.00	03/27/2022	ND	2.12	106	2.00	6.20	
Total Xylenes*	779	15.0	03/27/2022	ND	6.57	109	6.00	6.11	
Total BTX	1650	30.0	03/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/28/2022	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	31400	100	03/26/2022	ND	203	102	200	2.64	
DRO >C10-C28*	28100	100	03/26/2022	ND	201	101	200	1.80	
EXT DRO >C28-C36	2940	100	03/26/2022	ND					

Surrogate: 1-Chlorooctane 669 % 66.9-136

Surrogate: 1-Chlorooctadecane 716 % 59.5-142

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Analytical Results For:

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

Received: 03/24/2022
 Reported: 03/29/2022
 Project Name: SRO STATE COM #45
 Project Number: 1033 (03.18.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 03/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 4 (1.5') (H221166-14)

BTEx 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	56.5	5.00	03/27/2022	ND	1.80	89.9	2.00	6.27	
Toluene*	234	5.00	03/27/2022	ND	2.02	101	2.00	6.09	
Ethylbenzene*	36.8	5.00	03/27/2022	ND	2.12	106	2.00	6.20	
Total Xylenes*	373	15.0	03/27/2022	ND	6.57	109	6.00	6.11	
Total BTEX	701	30.0	03/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/28/2022	ND	416	104	400	0.00		

TPH 8015M	mg/kg	Analyzed By: MS						S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	14700	100	03/26/2022	ND	203	102	200	2.64	
DRO >C10-C28*	15100	100	03/26/2022	ND	201	101	200	1.80	
EXT DRO >C28-C36	1460	100	03/26/2022	ND					

Surrogate: 1-Chlorooctane 384 % 66.9-136

Surrogate: 1-Chlorooctadecane 240 % 59.5-142

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Analytical Results For:

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

Received: 03/24/2022
 Reported: 03/29/2022
 Project Name: SRO STATE COM #45
 Project Number: 1033 (03.18.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 03/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 4 (2') (H221166-15)

BTX 8021B		mg/kg	Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.644	0.050	03/27/2022	ND	1.80	89.9	2.00	6.27	
Toluene*	0.832	0.050	03/27/2022	ND	2.02	101	2.00	6.09	
Ethylbenzene*	0.055	0.050	03/27/2022	ND	2.12	106	2.00	6.20	
Total Xylenes*	0.494	0.150	03/27/2022	ND	6.57	109	6.00	6.11	
Total BTX	2.02	0.300	03/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/28/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	24.2	10.0	03/28/2022	ND	203	102	200	2.64	
DRO >C10-C28*	21.6	10.0	03/28/2022	ND	201	101	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	03/28/2022	ND					

Surrogate: 1-Chlorooctane 70.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 68.7 % 59.5-142

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Analytical Results For:

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

Received: 03/24/2022
 Reported: 03/29/2022
 Project Name: SRO STATE COM #45
 Project Number: 1033 (03.18.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 03/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 5 (0-0.5') (H221166-16)

BTEx 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	9.99	5.00	03/27/2022	ND	1.80	89.9	2.00	6.27	
Toluene*	135	5.00	03/27/2022	ND	2.02	101	2.00	6.09	
Ethylbenzene*	29.3	5.00	03/27/2022	ND	2.12	106	2.00	6.20	
Total Xylenes*	325	15.0	03/27/2022	ND	6.57	109	6.00	6.11	
Total BTEX	499	30.0	03/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/28/2022	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	8800	100	03/26/2022	ND	203	102	200	2.64	
DRO >C10-C28*	11600	100	03/26/2022	ND	201	101	200	1.80	
EXT DRO >C28-C36	1180	100	03/26/2022	ND					

Surrogate: 1-Chlorooctane 299 % 66.9-136

Surrogate: 1-Chlorooctadecane 182 % 59.5-142

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Analytical Results For:

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

Received: 03/24/2022
 Reported: 03/29/2022
 Project Name: SRO STATE COM #45
 Project Number: 1033 (03.18.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 03/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 5 (1') (H221166-17)

BTX 8021B		mg/kg	Analyzed By: MS\					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.137	0.050	03/27/2022	ND	1.80	89.9	2.00	6.27	
Toluene*	2.54	0.050	03/27/2022	ND	2.02	101	2.00	6.09	
Ethylbenzene*	1.17	0.050	03/27/2022	ND	2.12	106	2.00	6.20	
Total Xylenes*	13.0	0.150	03/27/2022	ND	6.57	109	6.00	6.11	
Total BTX	16.9	0.300	03/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 192 % 69.9-140

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/28/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	184	10.0	03/26/2022	ND	203	102	200	2.64	
DRO >C10-C28*	635	10.0	03/26/2022	ND	201	101	200	1.80	
EXT DRO >C28-C36	67.4	10.0	03/26/2022	ND					

Surrogate: 1-Chlorooctane 70.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 64.2 % 59.5-142

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Analytical Results For:

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

Received: 03/24/2022
 Reported: 03/29/2022
 Project Name: SRO STATE COM #45
 Project Number: 1033 (03.18.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 03/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 6 (0-0.5') (H221166-18)

BTEx 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	130	5.00	03/27/2022	ND	1.80	89.9	2.00	6.27	
Toluene*	471	5.00	03/27/2022	ND	2.02	101	2.00	6.09	
Ethylbenzene*	69.3	5.00	03/27/2022	ND	2.12	106	2.00	6.20	
Total Xylenes*	736	15.0	03/27/2022	ND	6.57	109	6.00	6.11	
Total BTEX	1410	30.0	03/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/28/2022	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	34500	100	03/26/2022	ND	203	102	200	2.64	
DRO >C10-C28*	33500	100	03/26/2022	ND	201	101	200	1.80	
EXT DRO >C28-C36	3590	100	03/26/2022	ND					

Surrogate: 1-Chlorooctane 783 % 66.9-136

Surrogate: 1-Chlorooctadecane 831 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/24/2022
 Reported: 03/29/2022
 Project Name: SRO STATE COM #45
 Project Number: 1033 (03.18.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 03/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 6 (1') (H221166-19)

BTEx 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	136	5.00	03/27/2022	ND	1.80	89.9	2.00	6.27	
Toluene*	444	5.00	03/27/2022	ND	2.02	101	2.00	6.09	
Ethylbenzene*	61.8	5.00	03/27/2022	ND	2.12	106	2.00	6.20	
Total Xylenes*	650	15.0	03/27/2022	ND	6.57	109	6.00	6.11	
Total BTEX	1290	30.0	03/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/28/2022	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	30400	100	03/26/2022	ND	203	102	200	2.64	
DRO >C10-C28*	27500	100	03/26/2022	ND	201	101	200	1.80	
EXT DRO >C28-C36	3000	100	03/26/2022	ND					

Surrogate: 1-Chlorooctane 651 % 66.9-136

Surrogate: 1-Chlorooctadecane 694 % 59.5-142

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Analytical Results For:

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

Received: 03/24/2022
 Reported: 03/29/2022
 Project Name: SRO STATE COM #45
 Project Number: 1033 (03.18.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 03/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 6 (1.5') (H221166-20)

BTEx 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.591	0.050	03/27/2022	ND	1.80	89.9	2.00	6.27	
Toluene*	0.691	0.050	03/27/2022	ND	2.02	101	2.00	6.09	
Ethylbenzene*	0.062	0.050	03/27/2022	ND	2.12	106	2.00	6.20	
Total Xylenes*	0.601	0.150	03/27/2022	ND	6.57	109	6.00	6.11	
Total BTEX	1.95	0.300	03/27/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/28/2022	ND	416	104	400	0.00		

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	17.1	10.0	03/28/2022	ND	203	102	200	2.64	
DRO >C10-C28*	11.5	10.0	03/28/2022	ND	201	101	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	03/28/2022	ND					

Surrogate: 1-Chlorooctane 70.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 67.7 % 59.5-142

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Analytical Results For:

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

Received: 03/24/2022
 Reported: 03/29/2022
 Project Name: SRO STATE COM #45
 Project Number: 1033 (03.18.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 03/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 7 (0-3") (H221166-21)

BTEx 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	171	5.00	03/27/2022	ND	1.80	89.9	2.00	6.27	
Toluene*	526	5.00	03/27/2022	ND	2.02	101	2.00	6.09	
Ethylbenzene*	71.1	5.00	03/27/2022	ND	2.12	106	2.00	6.20	
Total Xylenes*	757	15.0	03/27/2022	ND	6.57	109	6.00	6.11	
Total BTEX	1530	30.0	03/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/28/2022	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	34600	100	03/26/2022	ND	203	102	200	2.64	
DRO >C10-C28*	30200	100	03/26/2022	ND	201	101	200	1.80	
EXT DRO >C28-C36	3360	100	03/26/2022	ND					

Surrogate: 1-Chlorooctane 722 % 66.9-136

Surrogate: 1-Chlorooctadecane 762 % 59.5-142

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Analytical Results For:

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

Received: 03/24/2022
 Reported: 03/29/2022
 Project Name: SRO STATE COM #45
 Project Number: 1033 (03.18.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 03/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 7 (0.5') (H221166-22)

BTEx 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	168	5.00	03/27/2022	ND	1.80	89.9	2.00	6.27	
Toluene*	493	5.00	03/27/2022	ND	2.02	101	2.00	6.09	
Ethylbenzene*	66.8	5.00	03/27/2022	ND	2.12	106	2.00	6.20	
Total Xylenes*	709	15.0	03/27/2022	ND	6.57	109	6.00	6.11	
Total BTEX	1440	30.0	03/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/28/2022	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	32800	100	03/26/2022	ND	203	102	200	2.64	
DRO >C10-C28*	29200	100	03/26/2022	ND	201	101	200	1.80	
EXT DRO >C28-C36	3010	100	03/26/2022	ND					

Surrogate: 1-Chlorooctane 699 % 66.9-136

Surrogate: 1-Chlorooctadecane 734 % 59.5-142

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Analytical Results For:

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

Received: 03/24/2022
 Reported: 03/29/2022
 Project Name: SRO STATE COM #45
 Project Number: 1033 (03.18.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 03/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 7 (1') (H221166-23)

BTEx 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	147	5.00	03/27/2022	ND	1.80	89.9	2.00	6.27	
Toluene*	463	5.00	03/27/2022	ND	2.02	101	2.00	6.09	
Ethylbenzene*	60.4	5.00	03/27/2022	ND	2.12	106	2.00	6.20	
Total Xylenes*	650	15.0	03/27/2022	ND	6.57	109	6.00	6.11	
Total BTEX	1320	30.0	03/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/28/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	28800	100	03/26/2022	ND	203	102	200	2.64	
DRO >C10-C28*	25400	100	03/26/2022	ND	201	101	200	1.80	
EXT DRO >C28-C36	2520	100	03/26/2022	ND					

Surrogate: 1-Chlorooctane 606 % 66.9-136

Surrogate: 1-Chlorooctadecane 644 % 59.5-142

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Analytical Results For:

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

Received: 03/24/2022
 Reported: 03/29/2022
 Project Name: SRO STATE COM #45
 Project Number: 1033 (03.18.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 03/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 7 (1.5') (H221166-24)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.157	0.050	03/27/2022	ND	1.74	87.0	2.00	3.71	
Toluene*	0.328	0.050	03/27/2022	ND	1.97	98.5	2.00	3.55	
Ethylbenzene*	<0.050	0.050	03/27/2022	ND	1.99	99.4	2.00	3.59	
Total Xylenes*	0.157	0.150	03/27/2022	ND	6.19	103	6.00	3.70	
Total BTEX	0.642	0.300	03/27/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/28/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	10.2	10.0	03/28/2022	ND	203	102	200	2.64	
DRO >C10-C28*	<10.0	10.0	03/28/2022	ND	201	101	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	03/28/2022	ND					

Surrogate: 1-Chlorooctane 77.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 74.8 % 59.5-142

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Analytical Results For:

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

Received: 03/24/2022
 Reported: 03/29/2022
 Project Name: SRO STATE COM #45
 Project Number: 1033 (03.18.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 03/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 8 (0-3") (H221166-25)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	36.0	5.00	03/27/2022	ND	1.74	87.0	2.00	3.71	
Toluene*	283	5.00	03/27/2022	ND	1.97	98.5	2.00	3.55	
Ethylbenzene*	54.9	5.00	03/27/2022	ND	1.99	99.4	2.00	3.59	
Total Xylenes*	594	15.0	03/27/2022	ND	6.19	103	6.00	3.70	
Total BTEX	967	30.0	03/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/28/2022	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	18100	100	03/26/2022	ND	203	102	200	2.64	
DRO >C10-C28*	27200	100	03/26/2022	ND	201	101	200	1.80	
EXT DRO >C28-C36	3120	100	03/26/2022	ND					

Surrogate: 1-Chlorooctane 558 % 66.9-136

Surrogate: 1-Chlorooctadecane 712 % 59.5-142

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Analytical Results For:

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

Received: 03/24/2022
 Reported: 03/29/2022
 Project Name: SRO STATE COM #45
 Project Number: 1033 (03.18.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 03/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 8 (0.5') (H221166-26)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.121	0.050	03/27/2022	ND	1.74	87.0	2.00	3.71	
Toluene*	0.770	0.050	03/27/2022	ND	1.97	98.5	2.00	3.55	
Ethylbenzene*	0.084	0.050	03/27/2022	ND	1.99	99.4	2.00	3.59	
Total Xylenes*	0.731	0.150	03/27/2022	ND	6.19	103	6.00	3.70	
Total BTX	1.71	0.300	03/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/28/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	15.2	10.0	03/28/2022	ND	203	102	200	2.64	
DRO >C10-C28*	<10.0	10.0	03/28/2022	ND	201	101	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	03/28/2022	ND					

Surrogate: 1-Chlorooctane 65.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 62.7 % 59.5-142

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Analytical Results For:

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

Received: 03/24/2022
 Reported: 03/29/2022
 Project Name: SRO STATE COM #45
 Project Number: 1033 (03.18.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 03/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 1 (0-0.5') (H221166-27)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/27/2022	ND	1.74	87.0	2.00	3.71	
Toluene*	<0.050	0.050	03/27/2022	ND	1.97	98.5	2.00	3.55	
Ethylbenzene*	<0.050	0.050	03/27/2022	ND	1.99	99.4	2.00	3.59	
Total Xylenes*	<0.150	0.150	03/27/2022	ND	6.19	103	6.00	3.70	
Total BTEx	<0.300	0.300	03/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/28/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2022	ND	203	102	200	2.64	
DRO >C10-C28*	<10.0	10.0	03/26/2022	ND	201	101	200	1.80	
EXT DRO >C28-C36	<10.0	10.0	03/26/2022	ND					

Surrogate: 1-Chlorooctane 70.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 69.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/24/2022
 Reported: 03/29/2022
 Project Name: SRO STATE COM #45
 Project Number: 1033 (03.18.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 03/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 2 (0-0.5') (H221166-28)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/27/2022	ND	1.74	87.0	2.00	3.71	
Toluene*	<0.050	0.050	03/27/2022	ND	1.97	98.5	2.00	3.55	
Ethylbenzene*	<0.050	0.050	03/27/2022	ND	1.99	99.4	2.00	3.59	
Total Xylenes*	<0.150	0.150	03/27/2022	ND	6.19	103	6.00	3.70	
Total BTX	<0.300	0.300	03/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/28/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2022	ND	194	97.1	200	3.48	
DRO >C10-C28*	<10.0	10.0	03/26/2022	ND	189	94.4	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	03/26/2022	ND					

Surrogate: 1-Chlorooctane 99.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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Analytical Results For:

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

Received: 03/24/2022
 Reported: 03/29/2022
 Project Name: SRO STATE COM #45
 Project Number: 1033 (03.18.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 03/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 3 (0-0.5') (H221166-29)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/27/2022	ND	1.74	87.0	2.00	3.71		
Toluene*	<0.050	0.050	03/27/2022	ND	1.97	98.5	2.00	3.55		
Ethylbenzene*	<0.050	0.050	03/27/2022	ND	1.99	99.4	2.00	3.59		
Total Xylenes*	<0.150	0.150	03/27/2022	ND	6.19	103	6.00	3.70		
Total BTX	<0.300	0.300	03/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/28/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2022	ND	194	97.1	200	3.48	
DRO >C10-C28*	<10.0	10.0	03/26/2022	ND	189	94.4	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	03/26/2022	ND					

Surrogate: 1-Chlorooctane 95.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.7 % 59.5-142

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Analytical Results For:

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

Received: 03/24/2022
 Reported: 03/29/2022
 Project Name: SRO STATE COM #45
 Project Number: 1033 (03.18.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 03/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 4 (0-0.5') (H221166-30)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/27/2022	ND	1.74	87.0	2.00	3.71	
Toluene*	<0.050	0.050	03/27/2022	ND	1.97	98.5	2.00	3.55	
Ethylbenzene*	<0.050	0.050	03/27/2022	ND	1.99	99.4	2.00	3.59	
Total Xylenes*	<0.150	0.150	03/27/2022	ND	6.19	103	6.00	3.70	
Total BTX	<0.300	0.300	03/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/28/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2022	ND	194	97.1	200	3.48	
DRO >C10-C28*	<10.0	10.0	03/26/2022	ND	189	94.4	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	03/26/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 109 % 59.5-142

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Analytical Results For:

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

Received: 03/24/2022
 Reported: 03/29/2022
 Project Name: SRO STATE COM #45
 Project Number: 1033 (03.18.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 03/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 5 (0-0.5') (H221166-31)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/27/2022	ND	1.74	87.0	2.00	3.71	
Toluene*	<0.050	0.050	03/27/2022	ND	1.97	98.5	2.00	3.55	
Ethylbenzene*	<0.050	0.050	03/27/2022	ND	1.99	99.4	2.00	3.59	
Total Xylenes*	<0.150	0.150	03/27/2022	ND	6.19	103	6.00	3.70	
Total BTEx	<0.300	0.300	03/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/28/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/28/2022	ND	208	104	200	20.5	
DRO >C10-C28*	<10.0	10.0	03/28/2022	ND	220	110	200	8.66	
EXT DRO >C28-C36	<10.0	10.0	03/28/2022	ND					

Surrogate: 1-Chlorooctane 80.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 84.7 % 59.5-142

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Analytical Results For:

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

Received: 03/24/2022
 Reported: 03/29/2022
 Project Name: SRO STATE COM #45
 Project Number: 1033 (03.18.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 03/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 6 (0-0.5') (H221166-32)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/27/2022	ND	1.74	87.0	2.00	3.71	
Toluene*	<0.050	0.050	03/27/2022	ND	1.97	98.5	2.00	3.55	
Ethylbenzene*	<0.050	0.050	03/27/2022	ND	1.99	99.4	2.00	3.59	
Total Xylenes*	<0.150	0.150	03/27/2022	ND	6.19	103	6.00	3.70	
Total BTX	<0.300	0.300	03/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/28/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/28/2022	ND	208	104	200	20.5	
DRO >C10-C28*	<10.0	10.0	03/28/2022	ND	220	110	200	8.66	
EXT DRO >C28-C36	<10.0	10.0	03/28/2022	ND					

Surrogate: 1-Chlorooctane 81.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.3 % 59.5-142

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Analytical Results For:

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

Received: 03/24/2022
 Reported: 03/29/2022
 Project Name: SRO STATE COM #45
 Project Number: 1033 (03.18.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 03/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 7 (0-0.5') (H221166-33)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/27/2022	ND	1.74	87.0	2.00	3.71		
Toluene*	<0.050	0.050	03/27/2022	ND	1.97	98.5	2.00	3.55		
Ethylbenzene*	<0.050	0.050	03/27/2022	ND	1.99	99.4	2.00	3.59		
Total Xylenes*	<0.150	0.150	03/27/2022	ND	6.19	103	6.00	3.70		
Total BTEX	<0.300	0.300	03/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/28/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/28/2022	ND	208	104	200	20.5	
DRO >C10-C28*	<10.0	10.0	03/28/2022	ND	220	110	200	8.66	
EXT DRO >C28-C36	<10.0	10.0	03/28/2022	ND					

Surrogate: 1-Chlorooctane 80.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.7 % 59.5-142

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Analytical Results For:

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

Received: 03/24/2022
 Reported: 03/29/2022
 Project Name: SRO STATE COM #45
 Project Number: 1033 (03.18.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 03/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 8 (0-0.5') (H221166-34)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/27/2022	ND	1.74	87.0	2.00	3.71	
Toluene*	<0.050	0.050	03/27/2022	ND	1.97	98.5	2.00	3.55	
Ethylbenzene*	<0.050	0.050	03/27/2022	ND	1.99	99.4	2.00	3.59	
Total Xylenes*	<0.150	0.150	03/27/2022	ND	6.19	103	6.00	3.70	
Total BTEX	<0.300	0.300	03/27/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/28/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/28/2022	ND	208	104	200	20.5	
DRO >C10-C28*	<10.0	10.0	03/28/2022	ND	220	110	200	8.66	
EXT DRO >C28-C36	<10.0	10.0	03/28/2022	ND					

Surrogate: 1-Chlorooctane 90.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.1 % 59.5-142

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Analytical Results For:

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

Received: 03/24/2022
 Reported: 03/29/2022
 Project Name: SRO STATE COM #45
 Project Number: 1033 (03.18.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 03/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 9 (0-0.5') (H221166-35)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/27/2022	ND	1.74	87.0	2.00	3.71	
Toluene*	<0.050	0.050	03/27/2022	ND	1.97	98.5	2.00	3.55	
Ethylbenzene*	<0.050	0.050	03/27/2022	ND	1.99	99.4	2.00	3.59	
Total Xylenes*	<0.150	0.150	03/27/2022	ND	6.19	103	6.00	3.70	
Total BTEX	<0.300	0.300	03/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/28/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/28/2022	ND	208	104	200	20.5	
DRO >C10-C28*	<10.0	10.0	03/28/2022	ND	220	110	200	8.66	
EXT DRO >C28-C36	<10.0	10.0	03/28/2022	ND					

Surrogate: 1-Chlorooctane 75.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 76.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/24/2022
 Reported: 03/29/2022
 Project Name: SRO STATE COM #45
 Project Number: 1033 (03.18.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 03/24/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 10 (0-0.5') (H221166-36)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.272	0.050	03/27/2022	ND	1.74	87.0	2.00	3.71	
Toluene*	0.333	0.050	03/27/2022	ND	1.97	98.5	2.00	3.55	
Ethylbenzene*	<0.050	0.050	03/27/2022	ND	1.99	99.4	2.00	3.59	
Total Xylenes*	<0.150	0.150	03/27/2022	ND	6.19	103	6.00	3.70	
Total BTX	0.740	0.300	03/27/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/28/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/28/2022	ND	208	104	200	20.5	
DRO >C10-C28*	<10.0	10.0	03/28/2022	ND	220	110	200	8.66	
EXT DRO >C28-C36	<10.0	10.0	03/28/2022	ND					

Surrogate: 1-Chlorooctane 78.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 84.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

Work Order No: H221164-1

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

Project Name:		SRO State Com #45 (03.18.22)		Turn Around		ANALYSIS REQUEST										Preservative Codes	
Project Number:	1033	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush	Pres. Code												None: NO	DI Water: H ₂ O
Project Location:	Eddy Co. NM	Due Date:	Standard													Cool: Cool	MeOH: Me
Sampler's Name:	CRM	TAT starts the day received by the lab, if received by 4:30pm														HCL: HC	HNO ₃ : HN
PO #:																H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>											H ₃ PO ₄ : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113											NaHSO ₄ : NABIS			
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:	-0.5°C											Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	7.9°C											Zn Acetate+NaOH: Zn			
Total Containers:		Corrected Temperature:	7.4°C											NaOH+Ascorbic Acid: SASC			
				Parameters										HOLD			
				BTEx 8021B													
				8015M (GRO + DRO + MRO)													
				Chloride 4500													

[illegible]

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time

Sum of squares	3.2438	14.85	2		
			4		

Revised Date 05012020 Rev. 2020.

Chain of Custody

Work Order No: HA211661-1Page 2 of 4

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

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

Project Name:	SRO State Com #45 (03.18.22)	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST												Preservative Codes
Project Number:	1033	Due Date:	Standard															None: NO
Project Location:	Eddy Co. NM	TAT starts the day received by the lab, if received by 4:30pm																DI Water: H ₂ O
Sampler's Name:	CRM	Thermometer ID:	113															Cool: Cool
PO #:		Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>															HCL: HC
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	-0.5%														H ₂ SO ₄ : H ₂
	Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	79%														H ₃ PO ₄ : HP
	Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Corrected Temperature:	7.4%														NaHSO ₄ : NABIS
	Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A																Na ₂ S ₂ O ₃ : NaSO ₃
	Total Containers:																	Zn Acetate+NaOH: Zn
																		NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters														Sample Comments															
S-3 (2.5')	3/24/2022		X		G	1	BTEX 8021B																													
S-4 (0-0.5')	3/24/2022		X		G	1	TPH 8015M (GRO + DRO + MRO)																													
S-4 (1')	3/24/2022		X		G	1	Chloride 4500																													
S-4 (1.5')	3/24/2022		X		G	1																														
S-4 (2')	3/24/2022		X		G	1																														
S-5 (0-0.5')	3/24/2022		X		G	1																														
S-5 (1')	3/24/2022		X		G	1																														
S-6 (0-0.5')	3/24/2022		X		G	1																														
S-6 (1')	3/24/2022		X		G	1																														
S-6 (1.5')	3/24/2022		X		G	1																														

Comments:

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Conner Moehring</i>	<i>Shadrighery</i>	3/24/22 1425			2
					4
					6

Chain of Custody

Work Order No: A2211166-1Page 3 of 4

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

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

Project Name:	SRO State Com #45 (03.18.22)	Turn Around		ANALYSIS REQUEST													
Project Number:	1033	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush	Pres. Code													
Project Location	Eddy Co. NM	Due Date:	Standard														
Sampler's Name:	CRM	TAT starts the day received by the lab, if received by 4:30pm															
PO #:																	
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>											
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	-0.58														
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	7.98														
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature:	7.42														
Total Containers:																	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											
S-7 (0-3")	3/24/2022		X		G	1	X	X	X								
S-7 (0.5')	3/24/2022		X		G	1	X	X	X								
S-7 (1')	3/24/2022		X		G	1	X	X	X								
S-7 (1.5')	3/24/2022		X		G	1	X	X	X								
S-8 (0-3")	3/24/2022		X		G	1	X	X	X								
S-8 (0.5')	3/24/2022		X		G	1	X	X	X								
H-1 (0-0.5')	3/24/2022		X		G	1	X	X	X								
H-2 (0-0.5')	3/24/2022		X		G	1	X	X	X								
H-3 (0-0.5')	3/24/2022		X		G	1	X	X	X								

Comments:

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Conner Moehring</i>	<i>Jacqui Harris</i>	3/24/22 1425			

Chain of Custody

Work Order No: H221160-1.3

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

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

Project Name:	SRO State Com #45 (03.18.22)	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST												Preservative Codes	
Project Number:	1033	Due Date:	Standard															None: NO	DI Water: H ₂ O
Project Location:	Eddy Co. NM	TAT starts the day received by the lab, if received by 4:30pm																Cool: Cool	MeOH: Me
Sampler's Name:	CRM																	HCL: HC	HNO ₃ : HN
PO #:																		H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													H ₃ PO ₄ : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:																NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:																Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 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	Parameters												Sample Comments	
H-4 (0-0.5')	3/24/2022		X		G	1	BTEX 8021B													
H-5 (0-0.5')	3/24/2022		X		G	1	TPH 8015M (GRO + DRO + MRO)													
H-6 (0-0.5')	3/24/2022		X		G	1	Chloride 4500													
H-7 (0-0.5')	3/24/2022		X		G	1														
H-8 (0-0.5')	3/24/2022		X		G	1														
H-9 (0-0.5')	3/24/2022		X		G	1														
H-10 (0-0.5')	3/24/2022		X		G	1														

Comments:

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Sam myers</i>	<i>Stoddard</i>	3/24/22 14:25			2
					4
					6



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-14534-1

Laboratory Sample Delivery Group: Eddy Co, NM
Client Project/Site: SRO State Com #45

For:

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

Attn: Conner Moehring

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

Authorized for release by:
5/12/2022 11:18:05 AM

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

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www.eurofinsus.com/Env

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

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

Client: Carmona Resources
Project/Site: SRO State Com #45

Laboratory Job ID: 880-14534-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: SRO State Com #45

Job ID: 880-14534-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
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 #45

Job ID: 880-14534-1
SDG: Eddy Co, NM

Job ID: 880-14534-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-14534-1****Receipt**

The samples were received on 5/9/2022 12:00 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 3.3°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-25110 and analytical batch 880-25224 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-1 (0-3") (880-14534-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-1 (1.5') (880-14534-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-2 (0-3") (880-14534-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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 #45

Job ID: 880-14534-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (0-3")

Lab Sample ID: 880-14534-1

Date Collected: 05/07/22 00:00

Matrix: Solid

Date Received: 05/09/22 12:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.573		0.100		mg/Kg		05/11/22 09:31	05/11/22 18:06	50
Toluene	0.216		0.00199		mg/Kg		05/09/22 13:08	05/10/22 13:12	1
Ethylbenzene	0.263		0.00199		mg/Kg		05/09/22 13:08	05/10/22 13:12	1
m-Xylene & p-Xylene	7.38		0.200		mg/Kg		05/11/22 09:31	05/11/22 18:06	50
o-Xylene	0.0429		0.00199		mg/Kg		05/09/22 13:08	05/10/22 13:12	1
Xylenes, Total	9.96		0.200		mg/Kg		05/11/22 09:31	05/11/22 18:06	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130	05/09/22 13:08	05/10/22 13:12	1
1,4-Difluorobenzene (Surr)	28	S1-	70 - 130	05/09/22 13:08	05/10/22 13:12	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.522		0.00199		mg/Kg			05/10/22 19:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	17300		250		mg/Kg			05/10/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	8040		250		mg/Kg		05/09/22 15:13	05/10/22 08:00	5
Diesel Range Organics (Over C10-C28)	8500		250		mg/Kg		05/09/22 15:13	05/10/22 08:00	5
Oil Range Organics (Over C28-C36)	746		250		mg/Kg		05/09/22 15:13	05/10/22 08:00	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	377	S1+	70 - 130	05/09/22 15:13	05/10/22 08:00	5
o-Terphenyl	107		70 - 130	05/09/22 15:13	05/10/22 08:00	5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	428		49.9		mg/Kg			05/12/22 00:13	10

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-14534-2

Date Collected: 05/07/22 00:00

Matrix: Solid

Date Received: 05/09/22 12:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.388		0.00198		mg/Kg		05/09/22 13:08	05/10/22 13:32	1
Toluene	2.77		0.0998		mg/Kg		05/11/22 09:31	05/11/22 18:27	50
Ethylbenzene	0.186		0.00198		mg/Kg		05/09/22 13:08	05/10/22 13:32	1
m-Xylene & p-Xylene	5.76		0.200		mg/Kg		05/11/22 09:31	05/11/22 18:27	50
o-Xylene	2.43		0.0998		mg/Kg		05/11/22 09:31	05/11/22 18:27	50
Xylenes, Total	8.19		0.200		mg/Kg		05/11/22 09:31	05/11/22 18:27	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130	05/09/22 13:08	05/10/22 13:32	1
1,4-Difluorobenzene (Surr)	41	S1-	70 - 130	05/09/22 13:08	05/10/22 13:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45

Job ID: 880-14534-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-14534-2

Date Collected: 05/07/22 00:00

Matrix: Solid

Date Received: 05/09/22 12:00

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.574		0.00198		mg/Kg			05/10/22 19:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	13500		250		mg/Kg			05/10/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	5550		250		mg/Kg		05/09/22 15:13	05/10/22 08:21	5
Diesel Range Organics (Over C10-C28)	7260		250		mg/Kg		05/09/22 15:13	05/10/22 08:21	5
Oil Range Organics (Over C28-C36)	651		250		mg/Kg		05/09/22 15:13	05/10/22 08:21	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	256	S1+	70 - 130				05/09/22 15:13	05/10/22 08:21	5
o-Terphenyl	97		70 - 130				05/09/22 15:13	05/10/22 08:21	5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	330		49.7		mg/Kg			05/12/22 00:38	10

Client Sample ID: S-2 (0-3")

Lab Sample ID: 880-14534-3

Date Collected: 05/07/22 00:00

Matrix: Solid

Date Received: 05/09/22 12:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0390		0.00202		mg/Kg		05/09/22 13:08	05/10/22 13:53	1
Toluene	0.304		0.00202		mg/Kg		05/09/22 13:08	05/10/22 13:53	1
Ethylbenzene	0.162		0.00202		mg/Kg		05/09/22 13:08	05/10/22 13:53	1
m-Xylene & p-Xylene	13.0		0.200		mg/Kg		05/11/22 09:31	05/11/22 18:47	50
o-Xylene	0.319		0.00202		mg/Kg		05/09/22 13:08	05/10/22 13:53	1
Xylenes, Total	17.3		0.200		mg/Kg		05/11/22 09:31	05/11/22 18:47	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				05/09/22 13:08	05/10/22 13:53	1
1,4-Difluorobenzene (Surr)	27	S1-	70 - 130				05/09/22 13:08	05/10/22 13:53	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.824		0.00202		mg/Kg			05/10/22 19:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	18500		250		mg/Kg			05/10/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	4060		250		mg/Kg		05/09/22 15:13	05/10/22 08:41	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45

Job ID: 880-14534-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (0-3")

Lab Sample ID: 880-14534-3

Date Collected: 05/07/22 00:00

Matrix: Solid

Date Received: 05/09/22 12:00

Method: 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)	13200		250		mg/Kg		05/09/22 15:13	05/10/22 08:41	5
Oil Range Organics (Over C28-C36)	1260		250		mg/Kg		05/09/22 15:13	05/10/22 08:41	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	424	S1+	70 - 130				05/09/22 15:13	05/10/22 08:41	5
o-Terphenyl	164	S1+	70 - 130				05/09/22 15:13	05/10/22 08:41	5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	436		25.0		mg/Kg			05/12/22 00:46	5

Client Sample ID: S-3 (0-3")

Lab Sample ID: 880-14534-4

Date Collected: 05/07/22 00:00

Matrix: Solid

Date Received: 05/09/22 12:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00859		0.00200		mg/Kg		05/09/22 13:08	05/10/22 14:13	1
Toluene	0.103		0.00200		mg/Kg		05/09/22 13:08	05/10/22 14:13	1
Ethylbenzene	0.215		0.00200		mg/Kg		05/09/22 13:08	05/10/22 14:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				05/09/22 13:08	05/10/22 14:13	1
1,4-Difluorobenzene (Surr)	11	S1-	70 - 130				05/09/22 13:08	05/10/22 14:13	1

Method: 8021B - Volatile Organic Compounds (GC) - DL5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	12.1		0.201		mg/Kg		05/11/22 09:31	05/11/22 19:08	50
o-Xylene	4.77		0.101		mg/Kg		05/11/22 09:31	05/11/22 19:08	50
Xylenes, Total	16.9		0.201		mg/Kg		05/11/22 09:31	05/11/22 19:08	50

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.327		0.00200		mg/Kg			05/10/22 19:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	27300		250		mg/Kg			05/10/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	2480		250		mg/Kg		05/09/22 15:13	05/10/22 05:04	5
Diesel Range Organics (Over C10-C28)	22500		250		mg/Kg		05/09/22 15:13	05/10/22 05:04	5
Oil Range Organics (Over C28-C36)	2310		250		mg/Kg		05/09/22 15:13	05/10/22 05:04	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				05/09/22 15:13	05/10/22 05:04	5
o-Terphenyl	90		70 - 130				05/09/22 15:13	05/10/22 05:04	5

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45

Job ID: 880-14534-1
SDG: Eddy Co, NM

Client Sample ID: S-3 (0-3")

Lab Sample ID: 880-14534-4

Date Collected: 05/07/22 00:00

Matrix: Solid

Date Received: 05/09/22 12:00

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	229		25.0		mg/Kg			05/12/22 00:54	5

Client Sample ID: H-1 (0-3")

Lab Sample ID: 880-14534-5

Date Collected: 05/07/22 00:00

Matrix: Solid

Date Received: 05/09/22 12:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/09/22 13:08	05/10/22 14:33	1
Toluene	0.00341		0.00202		mg/Kg		05/09/22 13:08	05/10/22 14:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/09/22 13:08	05/10/22 14:33	1
m-Xylene & p-Xylene	0.0116		0.00404		mg/Kg		05/09/22 13:08	05/10/22 14:33	1
o-Xylene	0.00348		0.00202		mg/Kg		05/09/22 13:08	05/10/22 14:33	1
Xylenes, Total	0.0151		0.00404		mg/Kg		05/09/22 13:08	05/10/22 14:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	05/09/22 13:08	05/10/22 14:33	1
1,4-Difluorobenzene (Surr)	89		70 - 130	05/09/22 13:08	05/10/22 14:33	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0185		0.00404		mg/Kg			05/10/22 19:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/10/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/09/22 15:13	05/10/22 04:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/09/22 15:13	05/10/22 04:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/09/22 15:13	05/10/22 04:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	05/09/22 15:13	05/10/22 04:43	1
o-Terphenyl	114		70 - 130	05/09/22 15:13	05/10/22 04:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88.1		5.01		mg/Kg			05/12/22 01:02	1

Client Sample ID: H-2 (0-3")

Lab Sample ID: 880-14534-6

Date Collected: 05/07/22 00:00

Matrix: Solid

Date Received: 05/09/22 12:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/09/22 13:08	05/10/22 14:54	1
Toluene	0.00420		0.00201		mg/Kg		05/09/22 13:08	05/10/22 14:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/09/22 13:08	05/10/22 14:54	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45

Job ID: 880-14534-1
SDG: Eddy Co, NM

Client Sample ID: H-2 (0-3")

Lab Sample ID: 880-14534-6

Date Collected: 05/07/22 00:00

Matrix: Solid

Date Received: 05/09/22 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	0.00731		0.00402		mg/Kg		05/09/22 13:08	05/10/22 14:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/09/22 13:08	05/10/22 14:54	1
Xylenes, Total	0.00731		0.00402		mg/Kg		05/09/22 13:08	05/10/22 14:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				05/09/22 13:08	05/10/22 14:54	1
1,4-Difluorobenzene (Surr)	90		70 - 130				05/09/22 13:08	05/10/22 14:54	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0115		0.00402		mg/Kg			05/10/22 19:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/10/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/09/22 15:13	05/10/22 04:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/09/22 15:13	05/10/22 04:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/09/22 15:13	05/10/22 04:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				05/09/22 15:13	05/10/22 04:22	1
o-Terphenyl	117		70 - 130				05/09/22 15:13	05/10/22 04:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.1		4.97		mg/Kg			05/12/22 01:10	1

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

Lab Sample ID: 880-14534-7

Date Collected: 05/07/22 00:00

Matrix: Solid

Date Received: 05/09/22 12:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/09/22 13:08	05/10/22 15:14	1
Toluene	0.00328		0.00200		mg/Kg		05/09/22 13:08	05/10/22 15:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/22 13:08	05/10/22 15:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/09/22 13:08	05/10/22 15:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/22 13:08	05/10/22 15:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/09/22 13:08	05/10/22 15:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				05/09/22 13:08	05/10/22 15:14	1
1,4-Difluorobenzene (Surr)	95		70 - 130				05/09/22 13:08	05/10/22 15:14	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/10/22 19:15	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45

Job ID: 880-14534-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-14534-7

Date Collected: 05/07/22 00:00

Matrix: Solid

Date Received: 05/09/22 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/10/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/09/22 15:13	05/10/22 04:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/09/22 15:13	05/10/22 04:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/09/22 15:13	05/10/22 04:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				05/09/22 15:13	05/10/22 04:01	1
o-Terphenyl	117		70 - 130				05/09/22 15:13	05/10/22 04:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.2		4.95		mg/Kg			05/12/22 01:19	1

Client Sample ID: H-4 (0-3")

Lab Sample ID: 880-14534-8

Date Collected: 05/07/22 00:00

Matrix: Solid

Date Received: 05/09/22 12:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/09/22 13:08	05/10/22 15:35	1
Toluene	0.00273		0.00200		mg/Kg		05/09/22 13:08	05/10/22 15:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/22 13:08	05/10/22 15:35	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/09/22 13:08	05/10/22 15:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/22 13:08	05/10/22 15:35	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/09/22 13:08	05/10/22 15:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				05/09/22 13:08	05/10/22 15:35	1
1,4-Difluorobenzene (Surr)	96		70 - 130				05/09/22 13:08	05/10/22 15:35	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/10/22 19:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/10/22 10:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/09/22 15:13	05/10/22 03:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/09/22 15:13	05/10/22 03:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/09/22 15:13	05/10/22 03:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				05/09/22 15:13	05/10/22 03:41	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45

Job ID: 880-14534-1
SDG: Eddy Co, NM

Client Sample ID: H-4 (0-3")
Date Collected: 05/07/22 00:00
Date Received: 05/09/22 12:00

Lab Sample ID: 880-14534-8
Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits					Prepared	Analyzed	Dil Fac
o-Terphenyl	107		70 - 130					05/09/22 15:13	05/10/22 03:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D		Prepared	Analyzed	Dil Fac
Chloride	71.9		4.96		mg/Kg				05/12/22 01:27	1

Surrogate Summary

Client: Carmona Resources
Project/Site: SRO State Com #45

Job ID: 880-14534-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-14532-A-11-A MS	Matrix Spike	105	91
880-14532-A-11-B MSD	Matrix Spike Duplicate	107	99
880-14534-1	S-1 (0-3")	77	28 S1-
880-14534-2	S-1 (1.5')	73	41 S1-
880-14534-3	S-2 (0-3")	115	27 S1-
880-14534-4	S-3 (0-3")	123	11 S1-
880-14534-5	H-1 (0-3")	98	89
880-14534-6	H-2 (0-3")	108	90
880-14534-7	H-3 (0-3")	99	95
880-14534-8	H-4 (0-3")	102	96
880-14654-A-2-C MS	Matrix Spike	105	97
880-14654-A-2-D MSD	Matrix Spike Duplicate	100	101
LCS 880-25110/1-A	Lab Control Sample	98	99
LCS 880-25315/1-A	Lab Control Sample	100	99
LCSD 880-25110/2-A	Lab Control Sample Dup	103	96
LCSD 880-25315/2-A	Lab Control Sample Dup	102	96
MB 880-25110/5-A	Method Blank	101	95
MB 880-25315/5-A	Method Blank	96	96
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)
880-14534-1	S-1 (0-3")	377 S1+	107
880-14534-2	S-1 (1.5')	256 S1+	97
880-14534-3	S-2 (0-3")	424 S1+	164 S1+
880-14534-4	S-3 (0-3")	115	90
880-14534-5	H-1 (0-3")	113	114
880-14534-6	H-2 (0-3")	118	117
880-14534-7	H-3 (0-3")	119	117
880-14534-8	H-4 (0-3")	111	107
890-2285-A-1-C MS	Matrix Spike	93	81
890-2285-A-1-D MSD	Matrix Spike Duplicate	96	82
LCS 880-25130/2-A	Lab Control Sample	123	111
LCSD 880-25130/3-A	Lab Control Sample Dup	129	117
MB 880-25130/1-A	Method Blank	101	99
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45

Job ID: 880-14534-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-25110/5-A

Matrix: Solid

Analysis Batch: 25224

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 25110

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/09/22 13:08	05/10/22 12:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/09/22 13:08	05/10/22 12:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/09/22 13:08	05/10/22 12:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/09/22 13:08	05/10/22 12:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/09/22 13:08	05/10/22 12:02	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/09/22 13:08	05/10/22 12:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	05/09/22 13:08	05/10/22 12:02	1
1,4-Difluorobenzene (Surr)	95		70 - 130	05/09/22 13:08	05/10/22 12:02	1

Lab Sample ID: LCS 880-25110/1-A

Matrix: Solid

Analysis Batch: 25224

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 25110

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07835		mg/Kg		78	70 - 130
Toluene	0.100	0.08287		mg/Kg		83	70 - 130
Ethylbenzene	0.100	0.08401		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	0.200	0.1737		mg/Kg		87	70 - 130
o-Xylene	0.100	0.09512		mg/Kg		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-25110/2-A

Matrix: Solid

Analysis Batch: 25224

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 25110

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07829		mg/Kg		78	70 - 130	0	35
Toluene	0.100	0.08275		mg/Kg		83	70 - 130	0	35
Ethylbenzene	0.100	0.08661		mg/Kg		87	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1794		mg/Kg		90	70 - 130	3	35
o-Xylene	0.100	0.09783		mg/Kg		98	70 - 130	3	35

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

Lab Sample ID: 880-14532-A-11-A MS

Matrix: Solid

Analysis Batch: 25224

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 25110

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U F1	0.0996	0.06253	F1	mg/Kg		63	70 - 130
Toluene	<0.00202	U	0.0996	0.07143		mg/Kg		71	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45

Job ID: 880-14534-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-14532-A-11-A MS

Matrix: Solid

Analysis Batch: 25224

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 25110

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U	0.0996	0.07421		mg/Kg		75	70 - 130
m-Xylene & p-Xylene	<0.00404	U	0.199	0.1548		mg/Kg		78	70 - 130
o-Xylene	<0.00202	U	0.0996	0.08317		mg/Kg		84	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: 880-14532-A-11-B MSD

Matrix: Solid

Analysis Batch: 25224

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 25110

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U F1	0.0992	0.06892	F1	mg/Kg		69	70 - 130	10	35
Toluene	<0.00202	U	0.0992	0.07014		mg/Kg		70	70 - 130	2	35
Ethylbenzene	<0.00202	U	0.0992	0.06951		mg/Kg		70	70 - 130	7	35
m-Xylene & p-Xylene	<0.00404	U	0.198	0.1422		mg/Kg		72	70 - 130	8	35
o-Xylene	<0.00202	U	0.0992	0.07647		mg/Kg		77	70 - 130	8	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: MB 880-25315/5-A

Matrix: Solid

Analysis Batch: 25304

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 25315

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/11/22 09:31	05/11/22 15:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/11/22 09:31	05/11/22 15:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/11/22 09:31	05/11/22 15:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/11/22 09:31	05/11/22 15:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/11/22 09:31	05/11/22 15:34	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/11/22 09:31	05/11/22 15:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	05/11/22 09:31	05/11/22 15:34	1
1,4-Difluorobenzene (Surr)	96		70 - 130	05/11/22 09:31	05/11/22 15:34	1

Lab Sample ID: LCS 880-25315/1-A

Matrix: Solid

Analysis Batch: 25304

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 25315

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09186		mg/Kg		92	70 - 130
Toluene	0.100	0.08944		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.09136		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	0.200	0.1901		mg/Kg		95	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45

Job ID: 880-14534-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-25315/1-A

Matrix: Solid

Analysis Batch: 25304

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 25315

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1017		mg/Kg		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-25315/2-A

Matrix: Solid

Analysis Batch: 25304

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 25315

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08822		mg/Kg		88	70 - 130	4	35
Toluene	0.100	0.09236		mg/Kg		92	70 - 130	3	35
Ethylbenzene	0.100	0.09445		mg/Kg		94	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1984		mg/Kg		99	70 - 130	4	35
o-Xylene	0.100	0.1070		mg/Kg		107	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-14654-A-2-C MS

Matrix: Solid

Analysis Batch: 25304

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 25315

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0962	0.06869		mg/Kg		71	70 - 130
Toluene	<0.00199	U F1	0.0962	0.06632	F1	mg/Kg		69	70 - 130
Ethylbenzene	<0.00199	U F1	0.0962	0.05811	F1	mg/Kg		60	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.192	0.1197	F1	mg/Kg		62	70 - 130
o-Xylene	<0.00199	U F1	0.0962	0.06441	F1	mg/Kg		67	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-14654-A-2-D MSD

Matrix: Solid

Analysis Batch: 25304

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 25315

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.08682		mg/Kg		86	70 - 130	23	35
Toluene	<0.00199	U F1	0.100	0.07955		mg/Kg		79	70 - 130	18	35
Ethylbenzene	<0.00199	U F1	0.100	0.07262		mg/Kg		72	70 - 130	22	35
m-Xylene & p-Xylene	<0.00398	U F1	0.201	0.1486		mg/Kg		74	70 - 130	22	35
o-Xylene	<0.00199	U F1	0.100	0.08075		mg/Kg		80	70 - 130	23	35

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45

Job ID: 880-14534-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-14654-A-2-D MSD

Matrix: Solid

Analysis Batch: 25304

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 25315

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

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

Lab Sample ID: MB 880-25130/1-A

Matrix: Solid

Analysis Batch: 25068

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 25130

	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		05/09/22 15:13	05/09/22 21:24	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/09/22 15:13	05/09/22 21:24	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/09/22 15:13	05/09/22 21:24	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	101		70 - 130				05/09/22 15:13	05/09/22 21:24	1	
o-Terphenyl	99		70 - 130				05/09/22 15:13	05/09/22 21:24	1	

Lab Sample ID: LCS 880-25130/2-A

Matrix: Solid

Analysis Batch: 25068

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 25130

			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10			1000	1041		mg/Kg		104	70 - 130	
Diesel Range Organics (Over C10-C28)			1000	1215		mg/Kg		122	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	123		70 - 130							
o-Terphenyl	111		70 - 130							

Lab Sample ID: LCSD 880-25130/3-A

Matrix: Solid

Analysis Batch: 25068

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 25130

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	1036		mg/Kg		104	70 - 130	0	20	
Diesel Range Organics (Over C10-C28)			1000	1183		mg/Kg		118	70 - 130	3	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	129		70 - 130									
o-Terphenyl	117		70 - 130									

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45

Job ID: 880-14534-1
SDG: Eddy Co, NM

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

Lab Sample ID: 890-2285-A-1-C MS

Matrix: Solid

Analysis Batch: 25068

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 25130

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	955.7		mg/Kg		92	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	894.8		mg/Kg		87	70 - 130		
		</									

Lab Sample ID: 890-2285-A-1-D MSD

Matrix: Solid

Analysis Batch: 25068

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 25130

	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	<50.0	U	998	946.1		mg/Kg		91	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	923.6		mg/Kg		90	70 - 130	3	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-25207/1-A

Matrix: Solid

Analysis Batch: 25349

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			05/11/22 21:21	1

Lab Sample ID: LCS 880-25207/2-A

Matrix: Solid

Analysis Batch: 25349

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	264.2		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-25207/3-A

Matrix: Solid

Analysis Batch: 25349

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	264.6		mg/Kg		106	90 - 110	0	20

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45

Job ID: 880-14534-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-14493-A-3-C MS

Matrix: Solid

Analysis Batch: 25349

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	9.75		248	270.6		mg/Kg		105	90 - 110		

Lab Sample ID: 880-14493-A-3-D MSD

Matrix: Solid

Analysis Batch: 25349

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	9.75		248	264.5		mg/Kg		103	90 - 110	2	20

Lab Sample ID: 880-14524-A-2-C MS

Matrix: Solid

Analysis Batch: 25349

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	6590		2500	9065		mg/Kg		99	90 - 110		

Lab Sample ID: 880-14524-A-2-D MSD

Matrix: Solid

Analysis Batch: 25349

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	6590		2500	9093		mg/Kg		100	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: SRO State Com #45

Job ID: 880-14534-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 25110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14534-1	S-1 (0-3")	Total/NA	Solid	5035	
880-14534-2	S-1 (1.5')	Total/NA	Solid	5035	
880-14534-3	S-2 (0-3")	Total/NA	Solid	5035	
880-14534-4	S-3 (0-3")	Total/NA	Solid	5035	
880-14534-5	H-1 (0-3")	Total/NA	Solid	5035	
880-14534-6	H-2 (0-3")	Total/NA	Solid	5035	
880-14534-7	H-3 (0-3")	Total/NA	Solid	5035	
880-14534-8	H-4 (0-3")	Total/NA	Solid	5035	
MB 880-25110/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-25110/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-25110/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-14532-A-11-A MS	Matrix Spike	Total/NA	Solid	5035	
880-14532-A-11-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 25224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14534-1	S-1 (0-3")	Total/NA	Solid	8021B	25110
880-14534-2	S-1 (1.5')	Total/NA	Solid	8021B	25110
880-14534-3	S-2 (0-3")	Total/NA	Solid	8021B	25110
880-14534-4	S-3 (0-3")	Total/NA	Solid	8021B	25110
880-14534-5	H-1 (0-3")	Total/NA	Solid	8021B	25110
880-14534-6	H-2 (0-3")	Total/NA	Solid	8021B	25110
880-14534-7	H-3 (0-3")	Total/NA	Solid	8021B	25110
880-14534-8	H-4 (0-3")	Total/NA	Solid	8021B	25110
MB 880-25110/5-A	Method Blank	Total/NA	Solid	8021B	25110
LCS 880-25110/1-A	Lab Control Sample	Total/NA	Solid	8021B	25110
LCSD 880-25110/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	25110
880-14532-A-11-A MS	Matrix Spike	Total/NA	Solid	8021B	25110
880-14532-A-11-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	25110

Analysis Batch: 25296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14534-1	S-1 (0-3")	Total/NA	Solid	Total BTEX	
880-14534-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-14534-3	S-2 (0-3")	Total/NA	Solid	Total BTEX	
880-14534-4	S-3 (0-3")	Total/NA	Solid	Total BTEX	
880-14534-5	H-1 (0-3")	Total/NA	Solid	Total BTEX	
880-14534-6	H-2 (0-3")	Total/NA	Solid	Total BTEX	
880-14534-7	H-3 (0-3")	Total/NA	Solid	Total BTEX	
880-14534-8	H-4 (0-3")	Total/NA	Solid	Total BTEX	

Analysis Batch: 25304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14534-1	S-1 (0-3")	Total/NA	Solid	8021B	25315
880-14534-2	S-1 (1.5')	Total/NA	Solid	8021B	25315
880-14534-3	S-2 (0-3")	Total/NA	Solid	8021B	25315
880-14534-4 - DL5	S-3 (0-3")	Total/NA	Solid	8021B	25315
MB 880-25315/5-A	Method Blank	Total/NA	Solid	8021B	25315
LCS 880-25315/1-A	Lab Control Sample	Total/NA	Solid	8021B	25315
LCSD 880-25315/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	25315
880-14654-A-2-C MS	Matrix Spike	Total/NA	Solid	8021B	25315

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: SRO State Com #45

Job ID: 880-14534-1
SDG: Eddy Co, NM

GC VOA (Continued)

Analysis Batch: 25304 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14654-A-2-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	25315

Prep Batch: 25315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14534-1	S-1 (0-3")	Total/NA	Solid	5035	
880-14534-2	S-1 (1.5')	Total/NA	Solid	5035	
880-14534-3	S-2 (0-3")	Total/NA	Solid	5035	
880-14534-4 - DL5	S-3 (0-3")	Total/NA	Solid	5035	
MB 880-25315/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-25315/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-25315/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-14654-A-2-C MS	Matrix Spike	Total/NA	Solid	5035	
880-14654-A-2-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 25068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14534-1	S-1 (0-3")	Total/NA	Solid	8015B NM	25130
880-14534-2	S-1 (1.5')	Total/NA	Solid	8015B NM	25130
880-14534-3	S-2 (0-3")	Total/NA	Solid	8015B NM	25130
880-14534-4	S-3 (0-3")	Total/NA	Solid	8015B NM	25130
880-14534-5	H-1 (0-3")	Total/NA	Solid	8015B NM	25130
880-14534-6	H-2 (0-3")	Total/NA	Solid	8015B NM	25130
880-14534-7	H-3 (0-3")	Total/NA	Solid	8015B NM	25130
880-14534-8	H-4 (0-3")	Total/NA	Solid	8015B NM	25130
MB 880-25130/1-A	Method Blank	Total/NA	Solid	8015B NM	25130
LCS 880-25130/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	25130
LCSD 880-25130/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	25130
890-2285-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	25130
890-2285-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	25130

Prep Batch: 25130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14534-1	S-1 (0-3")	Total/NA	Solid	8015NM Prep	
880-14534-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-14534-3	S-2 (0-3")	Total/NA	Solid	8015NM Prep	
880-14534-4	S-3 (0-3")	Total/NA	Solid	8015NM Prep	
880-14534-5	H-1 (0-3")	Total/NA	Solid	8015NM Prep	
880-14534-6	H-2 (0-3")	Total/NA	Solid	8015NM Prep	
880-14534-7	H-3 (0-3")	Total/NA	Solid	8015NM Prep	
880-14534-8	H-4 (0-3")	Total/NA	Solid	8015NM Prep	
MB 880-25130/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-25130/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-25130/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2285-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2285-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 25257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14534-1	S-1 (0-3")	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: SRO State Com #45

Job ID: 880-14534-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 25257 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14534-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-14534-3	S-2 (0-3")	Total/NA	Solid	8015 NM	
880-14534-4	S-3 (0-3")	Total/NA	Solid	8015 NM	
880-14534-5	H-1 (0-3")	Total/NA	Solid	8015 NM	
880-14534-6	H-2 (0-3")	Total/NA	Solid	8015 NM	
880-14534-7	H-3 (0-3")	Total/NA	Solid	8015 NM	
880-14534-8	H-4 (0-3")	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 25207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14534-1	S-1 (0-3")	Soluble	Solid	DI Leach	
880-14534-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-14534-3	S-2 (0-3")	Soluble	Solid	DI Leach	
880-14534-4	S-3 (0-3")	Soluble	Solid	DI Leach	
880-14534-5	H-1 (0-3")	Soluble	Solid	DI Leach	
880-14534-6	H-2 (0-3")	Soluble	Solid	DI Leach	
880-14534-7	H-3 (0-3")	Soluble	Solid	DI Leach	
880-14534-8	H-4 (0-3")	Soluble	Solid	DI Leach	
MB 880-25207/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-25207/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-25207/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-14493-A-3-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-14493-A-3-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-14524-A-2-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-14524-A-2-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 25349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14534-1	S-1 (0-3")	Soluble	Solid	300.0	25207
880-14534-2	S-1 (1.5')	Soluble	Solid	300.0	25207
880-14534-3	S-2 (0-3")	Soluble	Solid	300.0	25207
880-14534-4	S-3 (0-3")	Soluble	Solid	300.0	25207
880-14534-5	H-1 (0-3")	Soluble	Solid	300.0	25207
880-14534-6	H-2 (0-3")	Soluble	Solid	300.0	25207
880-14534-7	H-3 (0-3")	Soluble	Solid	300.0	25207
880-14534-8	H-4 (0-3")	Soluble	Solid	300.0	25207
MB 880-25207/1-A	Method Blank	Soluble	Solid	300.0	25207
LCS 880-25207/2-A	Lab Control Sample	Soluble	Solid	300.0	25207
LCSD 880-25207/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	25207
880-14493-A-3-C MS	Matrix Spike	Soluble	Solid	300.0	25207
880-14493-A-3-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	25207
880-14524-A-2-C MS	Matrix Spike	Soluble	Solid	300.0	25207
880-14524-A-2-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	25207

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com #45

Job ID: 880-14534-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (0-3")

Lab Sample ID: 880-14534-1

Date Collected: 05/07/22 00:00

Matrix: Solid

Date Received: 05/09/22 12:00

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	25110	05/09/22 13:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25224	05/10/22 13:12	MR	XEN MID
Total/NA	Prep	5035			5.00 g	5 mL	25315	05/11/22 09:31	MR	XEN MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	25304	05/11/22 18:06	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25296	05/10/22 19:15	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			25257	05/10/22 10:47	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	25130	05/09/22 15:13	DM	XEN MID
Total/NA	Analysis	8015B NM		5			25068	05/10/22 08:00	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	25207	05/09/22 16:46	SC	XEN MID
Soluble	Analysis	300.0		10			25349	05/12/22 00:13	CH	XEN MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-14534-2

Date Collected: 05/07/22 00:00

Matrix: Solid

Date Received: 05/09/22 12:00

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	25110	05/09/22 13:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25224	05/10/22 13:32	MR	XEN MID
Total/NA	Prep	5035			5.01 g	5 mL	25315	05/11/22 09:31	MR	XEN MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	25304	05/11/22 18:27	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25296	05/10/22 19:15	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			25257	05/10/22 10:47	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	25130	05/09/22 15:13	DM	XEN MID
Total/NA	Analysis	8015B NM		5			25068	05/10/22 08:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	25207	05/09/22 16:46	SC	XEN MID
Soluble	Analysis	300.0		10			25349	05/12/22 00:38	CH	XEN MID

Client Sample ID: S-2 (0-3")

Lab Sample ID: 880-14534-3

Date Collected: 05/07/22 00:00

Matrix: Solid

Date Received: 05/09/22 12:00

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	25110	05/09/22 13:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25224	05/10/22 13:53	MR	XEN MID
Total/NA	Prep	5035			4.99 g	5 mL	25315	05/11/22 09:31	MR	XEN MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	25304	05/11/22 18:47	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25296	05/10/22 19:15	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			25257	05/10/22 10:47	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	25130	05/09/22 15:13	DM	XEN MID
Total/NA	Analysis	8015B NM		5			25068	05/10/22 08:41	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	25207	05/09/22 16:46	SC	XEN MID
Soluble	Analysis	300.0		5			25349	05/12/22 00:46	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com #45

Job ID: 880-14534-1
SDG: Eddy Co, NM

Client Sample ID: S-3 (0-3")

Lab Sample ID: 880-14534-4

Date Collected: 05/07/22 00:00

Matrix: Solid

Date Received: 05/09/22 12:00

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	25110	05/09/22 13:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25224	05/10/22 14:13	MR	XEN MID
Total/NA	Prep	5035	DL5		4.97 g	5 mL	25315	05/11/22 09:31	MR	XEN MID
Total/NA	Analysis	8021B	DL5	50	5 mL	5 mL	25304	05/11/22 19:08	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25296	05/10/22 19:15	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			25257	05/10/22 10:47	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	25130	05/09/22 15:13	DM	XEN MID
Total/NA	Analysis	8015B NM		5			25068	05/10/22 05:04	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	25207	05/09/22 16:46	SC	XEN MID
Soluble	Analysis	300.0		5			25349	05/12/22 00:54	CH	XEN MID

Client Sample ID: H-1 (0-3")

Lab Sample ID: 880-14534-5

Date Collected: 05/07/22 00:00

Matrix: Solid

Date Received: 05/09/22 12:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	25110	05/09/22 13:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25224	05/10/22 14:33	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25296	05/10/22 19:15	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			25257	05/10/22 10:47	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	25130	05/09/22 15:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			25068	05/10/22 04:43	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	25207	05/09/22 16:46	SC	XEN MID
Soluble	Analysis	300.0		1			25349	05/12/22 01:02	CH	XEN MID

Client Sample ID: H-2 (0-3")

Lab Sample ID: 880-14534-6

Date Collected: 05/07/22 00:00

Matrix: Solid

Date Received: 05/09/22 12:00

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	25110	05/09/22 13:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25224	05/10/22 14:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25296	05/10/22 19:15	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			25257	05/10/22 10:47	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	25130	05/09/22 15:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			25068	05/10/22 04:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	25207	05/09/22 16:46	SC	XEN MID
Soluble	Analysis	300.0		1			25349	05/12/22 01:10	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com #45

Job ID: 880-14534-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-14534-7

Date Collected: 05/07/22 00:00

Matrix: Solid

Date Received: 05/09/22 12:00

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	25110	05/09/22 13:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25224	05/10/22 15:14	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25296	05/10/22 19:15	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			25257	05/10/22 10:47	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	25130	05/09/22 15:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			25068	05/10/22 04:01	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	25207	05/09/22 16:46	SC	XEN MID
Soluble	Analysis	300.0		1			25349	05/12/22 01:19	CH	XEN MID

Client Sample ID: H-4 (0-3")

Lab Sample ID: 880-14534-8

Date Collected: 05/07/22 00:00

Matrix: Solid

Date Received: 05/09/22 12:00

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	25110	05/09/22 13:08	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	25224	05/10/22 15:35	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25296	05/10/22 19:15	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			25257	05/10/22 10:47	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	25130	05/09/22 15:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			25068	05/10/22 03:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	25207	05/09/22 16:46	SC	XEN MID
Soluble	Analysis	300.0		1			25349	05/12/22 01:27	CH	XEN MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: SRO State Com #45

Job ID: 880-14534-1
SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
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 #45

Job ID: 880-14534-1
SDG: Eddy Co, NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: SRO State Com #45

Job ID: 880-14534-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-14534-1	S-1 (0-3")	Solid	05/07/22 00:00	05/09/22 12:00
880-14534-2	S-1 (1.5')	Solid	05/07/22 00:00	05/09/22 12:00
880-14534-3	S-2 (0-3")	Solid	05/07/22 00:00	05/09/22 12:00
880-14534-4	S-3 (0-3")	Solid	05/07/22 00:00	05/09/22 12:00
880-14534-5	H-1 (0-3")	Solid	05/07/22 00:00	05/09/22 12:00
880-14534-6	H-2 (0-3")	Solid	05/07/22 00:00	05/09/22 12:00
880-14534-7	H-3 (0-3")	Solid	05/07/22 00:00	05/09/22 12:00
880-14534-8	H-4 (0-3")	Solid	05/07/22 00:00	05/09/22 12:00

- 1
- 2
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- 10
- 11
- 12
- 13
- 14

Work Order No: 14534

Page 1 of 1

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

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

Project Name	SRO State Com #45		Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes		
Project Number			<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	72 Hour												None NO	DI Water H ₂ O	
Project Location	Eddy Co, NM		Due Date													Cool Cool	MeOH Me	
Sampler's Name	CRM		TAT starts the day received by the lab, if received by 4:30pm													HCL HC	HNO ₃ HN	
PO #															H ₂ SO ₄ H ₂	NaOH Na		
SAMPLE RECEIPT			Temp Blank	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters										HOLD	
Received Intact	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID					BTX 8021B										NaHSO ₄ NABIS	
Cooler Custody Seals	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor					TPH 8015M (GRO + DRO + MRO)										Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading					Chloride 300.0										Zn Acetate+NaOH Zn	
Total Containers			Corrected Temperature														NaOH+Ascorbic Acid SAPC	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments	
S-1 (0-1')	5/7/2022		X		G	1	X	X	X									
S-1 (1-5')	5/7/2022		X		G	1	X	X	X									
S-2 (0-3')	5/7/2022		X		G	1	X	X	X									
S-3 (0-3')	5/7/2022		X		G	1	X	X	X									
H-1 (0-3')	5/7/2022		X		G	1	X	X	X									
H-2 (0-3')	5/7/2022		X		G	1	X	X	X									
H-3 (0-3')	5/7/2022		X		G	1	X	X	X									
H-4 (0-3')	5/7/2022		X		G	1	X	X	X									



880-14534 Chain of Custody

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	5/12/2022		5/12/2022

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-14534-1

SDG Number: Eddy Co, NM

Login Number: 14534

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Midland

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



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-15959-1

Laboratory Sample Delivery Group: Eddy Co, NM

Client Project/Site: SRO State Com #45 (03.18.22/4.01.22)

For:

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

Attn: Conner Moehring

Authorized for release by:

6/17/2022 11:43:15 AM

Jessica Kramer, Project Manager
(432)704-5440

Jessica.Kramer@et.eurofinsus.com

LINKS

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

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

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Laboratory Job ID: 880-15959-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: Carmona Resources

Job ID: 880-15959-1

Project/Site: SRO State Com #45 (03.18.22/4.01.22)

SDG: Eddy Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-15959-1
SDG: Eddy Co, NM

Job ID: 880-15959-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-15959-1****Receipt**

The samples were received on 6/16/2022 8:31 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.3°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 880-27659 and analytical batch 880-27651 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample 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.

GC Semi VOA

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-27655 and analytical batch 880-27649 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-27655 and analytical batch 880-27649 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-3 (3') (880-15959-6), (LCSD 880-27656/3-A), (880-15959-A-6-D MS) and (880-15959-A-6-E MSD). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-15959-1
SDG: Eddy Co, NM

Client Sample ID: SW-1 (3')

Lab Sample ID: 880-15959-1

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0165	F1	0.00201		mg/Kg		06/16/22 08:55	06/16/22 22:52	1
Toluene	0.0706	F1	0.00201		mg/Kg		06/16/22 08:55	06/16/22 22:52	1
Ethylbenzene	0.00991	F1	0.00201		mg/Kg		06/16/22 08:55	06/16/22 22:52	1
m-Xylene & p-Xylene	0.0416	F1	0.00402		mg/Kg		06/16/22 08:55	06/16/22 22:52	1
o-Xylene	0.0207	F1	0.00201		mg/Kg		06/16/22 08:55	06/16/22 22:52	1
Xylenes, Total	0.0623	F1	0.00402		mg/Kg		06/16/22 08:55	06/16/22 22:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	06/16/22 08:55	06/16/22 22:52	1
1,4-Difluorobenzene (Surr)	86		70 - 130	06/16/22 08:55	06/16/22 22:52	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.159		0.00402		mg/Kg			06/17/22 09:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/16/22 15:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/16/22 08:35	06/16/22 11:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/16/22 08:35	06/16/22 11:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/16/22 08:35	06/16/22 11:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	06/16/22 08:35	06/16/22 11:29	1
o-Terphenyl	94		70 - 130	06/16/22 08:35	06/16/22 11:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.6		5.00		mg/Kg			06/17/22 01:11	1

Client Sample ID: SW-2 (3')

Lab Sample ID: 880-15959-2

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0128		0.00199		mg/Kg		06/16/22 08:55	06/16/22 23:12	1
Toluene	0.0580		0.00199		mg/Kg		06/16/22 08:55	06/16/22 23:12	1
Ethylbenzene	0.00810		0.00199		mg/Kg		06/16/22 08:55	06/16/22 23:12	1
m-Xylene & p-Xylene	0.0342		0.00398		mg/Kg		06/16/22 08:55	06/16/22 23:12	1
o-Xylene	0.0177		0.00199		mg/Kg		06/16/22 08:55	06/16/22 23:12	1
Xylenes, Total	0.0519		0.00398		mg/Kg		06/16/22 08:55	06/16/22 23:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	06/16/22 08:55	06/16/22 23:12	1
1,4-Difluorobenzene (Surr)	92		70 - 130	06/16/22 08:55	06/16/22 23:12	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-15959-1
SDG: Eddy Co, NM

Client Sample ID: SW-2 (3')

Lab Sample ID: 880-15959-2

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.131		0.00398		mg/Kg			06/17/22 09:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/16/22 15:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/16/22 08:35	06/16/22 12:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/16/22 08:35	06/16/22 12:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/16/22 08:35	06/16/22 12:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				06/16/22 08:35	06/16/22 12:34	1
o-Terphenyl	90		70 - 130				06/16/22 08:35	06/16/22 12:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.8		4.99		mg/Kg			06/17/22 01:35	1

Client Sample ID: SW-3 (3')

Lab Sample ID: 880-15959-3

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0140		0.00199		mg/Kg		06/16/22 08:55	06/16/22 23:33	1
Toluene	0.0579		0.00199		mg/Kg		06/16/22 08:55	06/16/22 23:33	1
Ethylbenzene	0.00825		0.00199		mg/Kg		06/16/22 08:55	06/16/22 23:33	1
m-Xylene & p-Xylene	0.0353		0.00398		mg/Kg		06/16/22 08:55	06/16/22 23:33	1
o-Xylene	0.0183		0.00199		mg/Kg		06/16/22 08:55	06/16/22 23:33	1
Xylenes, Total	0.0536		0.00398		mg/Kg		06/16/22 08:55	06/16/22 23:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				06/16/22 08:55	06/16/22 23:33	1
1,4-Difluorobenzene (Surr)	90		70 - 130				06/16/22 08:55	06/16/22 23:33	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.134		0.00398		mg/Kg			06/17/22 09:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/16/22 15:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/16/22 08:35	06/16/22 12:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/22 08:35	06/16/22 12:56	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-15959-1
SDG: Eddy Co, NM

Client Sample ID: SW-3 (3')

Lab Sample ID: 880-15959-3

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/22 08:35	06/16/22 12:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				06/16/22 08:35	06/16/22 12:56	1
o-Terphenyl	87		70 - 130				06/16/22 08:35	06/16/22 12:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.7		4.95		mg/Kg			06/17/22 01:43	1

Client Sample ID: CS-1 (3')

Lab Sample ID: 880-15959-4

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00421		0.00200		mg/Kg		06/16/22 08:55	06/16/22 23:53	1
Toluene	0.0231		0.00200		mg/Kg		06/16/22 08:55	06/16/22 23:53	1
Ethylbenzene	0.00409		0.00200		mg/Kg		06/16/22 08:55	06/16/22 23:53	1
m-Xylene & p-Xylene	0.0192		0.00399		mg/Kg		06/16/22 08:55	06/16/22 23:53	1
o-Xylene	0.00954		0.00200		mg/Kg		06/16/22 08:55	06/16/22 23:53	1
Xylenes, Total	0.0287		0.00399		mg/Kg		06/16/22 08:55	06/16/22 23:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				06/16/22 08:55	06/16/22 23:53	1
1,4-Difluorobenzene (Surr)	91		70 - 130				06/16/22 08:55	06/16/22 23:53	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0601		0.00399		mg/Kg			06/17/22 09:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/16/22 15:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/16/22 08:35	06/16/22 13:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/22 08:35	06/16/22 13:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/22 08:35	06/16/22 13:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				06/16/22 08:35	06/16/22 13:18	1
o-Terphenyl	92		70 - 130				06/16/22 08:35	06/16/22 13:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	100		4.97		mg/Kg			06/17/22 01:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-15959-1
SDG: Eddy Co, NM

Client Sample ID: CS-2 (3')

Lab Sample ID: 880-15959-5

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00574		0.00199		mg/Kg		06/16/22 08:55	06/17/22 00:14	1
Toluene	0.0315		0.00199		mg/Kg		06/16/22 08:55	06/17/22 00:14	1
Ethylbenzene	0.00497		0.00199		mg/Kg		06/16/22 08:55	06/17/22 00:14	1
m-Xylene & p-Xylene	0.0222		0.00398		mg/Kg		06/16/22 08:55	06/17/22 00:14	1
o-Xylene	0.0116		0.00199		mg/Kg		06/16/22 08:55	06/17/22 00:14	1
Xylenes, Total	0.0338		0.00398		mg/Kg		06/16/22 08:55	06/17/22 00:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	06/16/22 08:55	06/17/22 00:14	1
1,4-Difluorobenzene (Surr)	92		70 - 130	06/16/22 08:55	06/17/22 00:14	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0760		0.00398		mg/Kg			06/17/22 09:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/16/22 15:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		06/16/22 08:31	06/16/22 11:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		06/16/22 08:31	06/16/22 11:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/16/22 08:31	06/16/22 11:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				06/16/22 08:31	06/16/22 11:30	1
o-Terphenyl	102		70 - 130				06/16/22 08:31	06/16/22 11:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	89.4		5.05		mg/Kg			06/17/22 01:58	1

Client Sample ID: CS-3 (3')

Lab Sample ID: 880-15959-6

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00477		0.00200		mg/Kg		06/16/22 08:55	06/17/22 00:34	1
Toluene	0.0251		0.00200		mg/Kg		06/16/22 08:55	06/17/22 00:34	1
Ethylbenzene	0.00430		0.00200		mg/Kg		06/16/22 08:55	06/17/22 00:34	1
m-Xylene & p-Xylene	0.0238		0.00400		mg/Kg		06/16/22 08:55	06/17/22 00:34	1
o-Xylene	0.0117		0.00200		mg/Kg		06/16/22 08:55	06/17/22 00:34	1
Xylenes, Total	0.0355		0.00400		mg/Kg		06/16/22 08:55	06/17/22 00:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	06/16/22 08:55	06/17/22 00:34	1
1,4-Difluorobenzene (Surr)	95		70 - 130	06/16/22 08:55	06/17/22 00:34	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-15959-1
SDG: Eddy Co, NM

Client Sample ID: CS-3 (3')

Lab Sample ID: 880-15959-6

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0697		0.00400		mg/Kg			06/17/22 09:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/16/22 15:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/16/22 08:32	06/16/22 11:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/16/22 08:32	06/16/22 11:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/16/22 08:32	06/16/22 11:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				06/16/22 08:32	06/16/22 11:30	1
o-Terphenyl	0.04	S1-	70 - 130				06/16/22 08:32	06/16/22 11:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	205		4.98		mg/Kg			06/17/22 02:22	1

Surrogate Summary

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-15959-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-15959-1	SW-1 (3')	87	86
880-15959-1 MS	SW-1 (3')	101	99
880-15959-1 MSD	SW-1 (3')	96	93
880-15959-2	SW-2 (3')	91	92
880-15959-3	SW-3 (3')	86	90
880-15959-4	CS-1 (3')	100	91
880-15959-5	CS-2 (3')	93	92
880-15959-6	CS-3 (3')	96	95
LCS 880-27659/1-A	Lab Control Sample	100	103
LCSD 880-27659/2-A	Lab Control Sample Dup	102	97
MB 880-27627/5-A	Method Blank	94	96
MB 880-27659/5-A	Method Blank	95	97
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)
880-15959-1	SW-1 (3')	90	94
880-15959-1 MS	SW-1 (3')	97	91
880-15959-1 MSD	SW-1 (3')	95	91
880-15959-2	SW-2 (3')	87	90
880-15959-3	SW-3 (3')	83	87
880-15959-4	CS-1 (3')	91	92
880-15959-5	CS-2 (3')	99	102
880-15959-5 MS	CS-2 (3')	82	77
880-15959-5 MSD	CS-2 (3')	82	78
880-15959-6	CS-3 (3')	81	0.04 S1-
880-15959-6 MS	CS-3 (3')	78	8 S1-
880-15959-6 MSD	CS-3 (3')	78	7 S1-
LCS 880-27655/2-A	Lab Control Sample	94	96
LCS 880-27656/2-A	Lab Control Sample	90	85
LCS 880-27658/2-A	Lab Control Sample	115	120
LCSD 880-27655/3-A	Lab Control Sample Dup	88	90
LCSD 880-27656/3-A	Lab Control Sample Dup	98	12 S1-
LCSD 880-27658/3-A	Lab Control Sample Dup	122	124
MB 880-27655/1-A	Method Blank	84	95
MB 880-27656/1-A	Method Blank	84	0.05 S1-
MB 880-27658/1-A	Method Blank	110	122
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-15959-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-27627/5-A

Matrix: Solid

Analysis Batch: 27651

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27627

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/15/22 15:37	06/16/22 10:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/15/22 15:37	06/16/22 10:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/15/22 15:37	06/16/22 10:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/15/22 15:37	06/16/22 10:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/15/22 15:37	06/16/22 10:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/15/22 15:37	06/16/22 10:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	06/15/22 15:37	06/16/22 10:45	1
1,4-Difluorobenzene (Surr)	96		70 - 130	06/15/22 15:37	06/16/22 10:45	1

Lab Sample ID: MB 880-27659/5-A

Matrix: Solid

Analysis Batch: 27651

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27659

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/16/22 08:55	06/16/22 22:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/22 08:55	06/16/22 22:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/22 08:55	06/16/22 22:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/16/22 08:55	06/16/22 22:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/16/22 08:55	06/16/22 22:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/16/22 08:55	06/16/22 22:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	06/16/22 08:55	06/16/22 22:23	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/16/22 08:55	06/16/22 22:23	1

Lab Sample ID: LCS 880-27659/1-A

Matrix: Solid

Analysis Batch: 27651

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27659

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09753		mg/Kg		98	70 - 130
Toluene	0.100	0.09009		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.09260		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1814		mg/Kg		91	70 - 130
o-Xylene	0.100	0.1011		mg/Kg		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-27659/2-A

Matrix: Solid

Analysis Batch: 27651

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27659

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08955		mg/Kg		90	70 - 130	9	35

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-15959-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-27659/2-A

Matrix: Solid

Analysis Batch: 27651

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27659

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.09173		mg/Kg		92	70 - 130	2	35
Ethylbenzene	0.100	0.09588		mg/Kg		96	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1888		mg/Kg		94	70 - 130	4	35
o-Xylene	0.100	0.1046		mg/Kg		105	70 - 130	3	35

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

Lab Sample ID: 880-15959-1 MS

Matrix: Solid

Analysis Batch: 27651

Client Sample ID: SW-1 (3')

Prep Type: Total/NA

Prep Batch: 27659

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0165	F1	0.100	0.06354	F1	mg/Kg		47	70 - 130
Toluene	0.0706	F1	0.100	0.08936	F1	mg/Kg		19	70 - 130
Ethylbenzene	0.00991	F1	0.100	0.06254	F1	mg/Kg		53	70 - 130
m-Xylene & p-Xylene	0.0416	F1	0.200	0.1390	F1	mg/Kg		49	70 - 130
o-Xylene	0.0207	F1	0.100	0.07701	F1	mg/Kg		56	70 - 130

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

Lab Sample ID: 880-15959-1 MSD

Matrix: Solid

Analysis Batch: 27651

Client Sample ID: SW-1 (3')

Prep Type: Total/NA

Prep Batch: 27659

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.0165	F1	0.0998	0.06638	F1	mg/Kg		50	70 - 130	4	35
Toluene	0.0706	F1	0.0998	0.09462	F1	mg/Kg		24	70 - 130	6	35
Ethylbenzene	0.00991	F1	0.0998	0.06579	F1	mg/Kg		56	70 - 130	5	35
m-Xylene & p-Xylene	0.0416	F1	0.200	0.1458	F1	mg/Kg		52	70 - 130	5	35
o-Xylene	0.0207	F1	0.0998	0.07982	F1	mg/Kg		59	70 - 130	4	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

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

Lab Sample ID: MB 880-27655/1-A

Matrix: Solid

Analysis Batch: 27649

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27655

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		06/16/22 08:31	06/16/22 10:25	1

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-15959-1
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-27655/1-A

Matrix: Solid

Analysis Batch: 27649

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27655

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/22 08:31	06/16/22 10:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/22 08:31	06/16/22 10:25	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				06/16/22 08:31	06/16/22 10:25	1
o-Terphenyl	95		70 - 130				06/16/22 08:31	06/16/22 10:25	1

Lab Sample ID: LCS 880-27655/2-A

Matrix: Solid

Analysis Batch: 27649

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27655

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1101		mg/Kg		110	70 - 130
Diesel Range Organics (Over C10-C28)	1000	974.5		mg/Kg		97	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	94		70 - 130				
o-Terphenyl	96		70 - 130				

Lab Sample ID: LCSD 880-27655/3-A

Matrix: Solid

Analysis Batch: 27649

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27655

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	837.8	*1	mg/Kg		84	70 - 130	27	20
Diesel Range Organics (Over C10-C28)	1000	927.3		mg/Kg		93	70 - 130	5	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	88		70 - 130						
o-Terphenyl	90		70 - 130						

Lab Sample ID: 880-15959-5 MS

Matrix: Solid

Analysis Batch: 27649

Client Sample ID: CS-2 (3')

Prep Type: Total/NA

Prep Batch: 27655

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	998	791.6		mg/Kg		75	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	998	707.8	F1	mg/Kg		69	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	82		70 - 130						
o-Terphenyl	77		70 - 130						

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-15959-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-15959-5 MSD

Matrix: Solid

Analysis Batch: 27649

Client Sample ID: CS-2 (3')

Prep Type: Total/NA

Prep Batch: 27655

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	999	786.2		mg/Kg		74	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	999	723.6		mg/Kg		70	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	82		70 - 130								
o-Terphenyl	78		70 - 130								

Lab Sample ID: MB 880-27656/1-A

Matrix: Solid

Analysis Batch: 27647

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27656

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		06/16/22 08:32	06/16/22 10:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/22 08:32	06/16/22 10:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/22 08:32	06/16/22 10:25	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				06/16/22 08:32	06/16/22 10:25	1
o-Terphenyl	0.05	S1-	70 - 130				06/16/22 08:32	06/16/22 10:25	1

Lab Sample ID: LCS 880-27656/2-A

Matrix: Solid

Analysis Batch: 27647

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27656

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	776.7		mg/Kg		78	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	915.4		mg/Kg		92	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	90		70 - 130						
o-Terphenyl	85		70 - 130						

Lab Sample ID: LCSD 880-27656/3-A

Matrix: Solid

Analysis Batch: 27647

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27656

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	838.1		mg/Kg		84	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	1000	1036		mg/Kg		104	70 - 130	12	20

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-15959-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-27656/3-A
Matrix: Solid
Analysis Batch: 27647

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 27656

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	12	S1-	70 - 130

Lab Sample ID: 880-15959-6 MS
Matrix: Solid
Analysis Batch: 27647

Client Sample ID: CS-3 (3')
Prep Type: Total/NA
Prep Batch: 27656

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	746.1		mg/Kg		75	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	998	850.2		mg/Kg		85	70 - 130	
	MS	MS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	78		70 - 130							
o-Terphenyl	8	S1-	70 - 130							

Lab Sample ID: 880-15959-6 MSD
Matrix: Solid
Analysis Batch: 27647

Client Sample ID: CS-3 (3')
Prep Type: Total/NA
Prep Batch: 27656

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	729.4		mg/Kg		73	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)	<49.9	U	999	854.0		mg/Kg		85	70 - 130	0	20	
	MSD	MSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	78		70 - 130									
o-Terphenyl	7	S1-	70 - 130									

Lab Sample ID: MB 880-27658/1-A
Matrix: Solid
Analysis Batch: 27645

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 27658

	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		06/16/22 08:35	06/16/22 10:24	1		
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/22 08:35	06/16/22 10:24	1		
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/22 08:35	06/16/22 10:24	1		
	MB	MB									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac		
1-Chlorooctane	110		70 - 130				06/16/22 08:35	06/16/22 10:24	1		
o-Terphenyl	122		70 - 130				06/16/22 08:35	06/16/22 10:24	1		

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-15959-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-27658/2-A

Matrix: Solid

Analysis Batch: 27645

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27658

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier			Limits			
Gasoline Range Organics (GRO)-C6-C10			1000	898.2		mg/Kg		90		70 - 130	
Diesel Range Organics (Over C10-C28)			1000	1050		mg/Kg		105		70 - 130	

Lab Sample ID: LCSD 880-27658/3-A

Matrix: Solid

Analysis Batch: 27645

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27658

			Spike	LCSD	LCSD				%Rec			RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	916.3		mg/Kg		92	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)			1000	1050		mg/Kg		105	70 - 130	0	20	
			LCSD	LCSD								
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	122		70 - 130									
o-Terphenyl	124		70 - 130									

Lab Sample ID: 880-15959-1 MS

Matrix: Solid

Analysis Batch: 27645

Client Sample ID: SW-1 (3')

Prep Type: Total/NA

Prep Batch: 27658

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	998.2		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	998	903.7		mg/Kg		89	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	97		70 - 130								
o-Terphenyl	91		70 - 130								

Lab Sample ID: 880-15959-1 MSD

Matrix: Solid

Analysis Batch: 27645

Client Sample ID: SW-1 (3')

Prep Type: Total/NA

Prep Batch: 27658

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	923.0		mg/Kg		90	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	892.2		mg/Kg		87	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	95		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-15959-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-15959-1 MSD

Matrix: Solid

Analysis Batch: 27645

Client Sample ID: SW-1 (3')

Prep Type: Total/NA

Prep Batch: 27658

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	91		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-27665/1-A

Matrix: Solid

Analysis Batch: 27730

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			06/17/22 00:47		1

Lab Sample ID: LCS 880-27665/2-A

Matrix: Solid

Analysis Batch: 27730

Client Sample ID: Lab Control Sample

Prep Type: Soluble

			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride			250	247.9		mg/Kg		99	90 - 110	

Lab Sample ID: LCSD 880-27665/3-A

Matrix: Solid

Analysis Batch: 27730

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	236.8		mg/Kg		95	90 - 110	5	20

Lab Sample ID: 880-15959-1 MS

Matrix: Solid

Analysis Batch: 27730

Client Sample ID: SW-1 (3')

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	36.6		250	276.1		mg/Kg		96	90 - 110	

Lab Sample ID: 880-15959-1 MSD

Matrix: Solid

Analysis Batch: 27730

Client Sample ID: SW-1 (3')

Prep Type: Soluble

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	36.6		250	266.0		mg/Kg		92	90 - 110	4	20

QC Association Summary

Client: Carmona Resources

Job ID: 880-15959-1

Project/Site: SRO State Com #45 (03.18.22/4.01.22)

SDG: Eddy Co, NM

GC VOA

Prep Batch: 27627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-27627/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 27651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15959-1	SW-1 (3')	Total/NA	Solid	8021B	27659
880-15959-2	SW-2 (3')	Total/NA	Solid	8021B	27659
880-15959-3	SW-3 (3')	Total/NA	Solid	8021B	27659
880-15959-4	CS-1 (3')	Total/NA	Solid	8021B	27659
880-15959-5	CS-2 (3')	Total/NA	Solid	8021B	27659
880-15959-6	CS-3 (3')	Total/NA	Solid	8021B	27659
MB 880-27627/5-A	Method Blank	Total/NA	Solid	8021B	27627
MB 880-27659/5-A	Method Blank	Total/NA	Solid	8021B	27659
LCS 880-27659/1-A	Lab Control Sample	Total/NA	Solid	8021B	27659
LCSD 880-27659/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	27659
880-15959-1 MS	SW-1 (3')	Total/NA	Solid	8021B	27659
880-15959-1 MSD	SW-1 (3')	Total/NA	Solid	8021B	27659

Prep Batch: 27659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15959-1	SW-1 (3')	Total/NA	Solid	5035	
880-15959-2	SW-2 (3')	Total/NA	Solid	5035	
880-15959-3	SW-3 (3')	Total/NA	Solid	5035	
880-15959-4	CS-1 (3')	Total/NA	Solid	5035	
880-15959-5	CS-2 (3')	Total/NA	Solid	5035	
880-15959-6	CS-3 (3')	Total/NA	Solid	5035	
MB 880-27659/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-27659/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-27659/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-15959-1 MS	SW-1 (3')	Total/NA	Solid	5035	
880-15959-1 MSD	SW-1 (3')	Total/NA	Solid	5035	

Analysis Batch: 27769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15959-1	SW-1 (3')	Total/NA	Solid	Total BTEX	
880-15959-2	SW-2 (3')	Total/NA	Solid	Total BTEX	
880-15959-3	SW-3 (3')	Total/NA	Solid	Total BTEX	
880-15959-4	CS-1 (3')	Total/NA	Solid	Total BTEX	
880-15959-5	CS-2 (3')	Total/NA	Solid	Total BTEX	
880-15959-6	CS-3 (3')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 27645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15959-1	SW-1 (3')	Total/NA	Solid	8015B NM	27658
880-15959-2	SW-2 (3')	Total/NA	Solid	8015B NM	27658
880-15959-3	SW-3 (3')	Total/NA	Solid	8015B NM	27658
880-15959-4	CS-1 (3')	Total/NA	Solid	8015B NM	27658
MB 880-27658/1-A	Method Blank	Total/NA	Solid	8015B NM	27658
LCS 880-27658/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	27658
LCSD 880-27658/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	27658

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QC Association Summary

Client: Carmona Resources
 Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-15959-1
 SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 27645 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15959-1 MS	SW-1 (3')	Total/NA	Solid	8015B NM	27658
880-15959-1 MSD	SW-1 (3')	Total/NA	Solid	8015B NM	27658

Analysis Batch: 27647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15959-6	CS-3 (3')	Total/NA	Solid	8015B NM	27656
MB 880-27656/1-A	Method Blank	Total/NA	Solid	8015B NM	27656
LCS 880-27656/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	27656
LCSD 880-27656/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	27656
880-15959-6 MS	CS-3 (3')	Total/NA	Solid	8015B NM	27656
880-15959-6 MSD	CS-3 (3')	Total/NA	Solid	8015B NM	27656

Analysis Batch: 27649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15959-5	CS-2 (3')	Total/NA	Solid	8015B NM	27655
MB 880-27655/1-A	Method Blank	Total/NA	Solid	8015B NM	27655
LCS 880-27655/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	27655
LCSD 880-27655/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	27655
880-15959-5 MS	CS-2 (3')	Total/NA	Solid	8015B NM	27655
880-15959-5 MSD	CS-2 (3')	Total/NA	Solid	8015B NM	27655

Prep Batch: 27655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15959-5	CS-2 (3')	Total/NA	Solid	8015NM Prep	
MB 880-27655/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-27655/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-27655/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-15959-5 MS	CS-2 (3')	Total/NA	Solid	8015NM Prep	
880-15959-5 MSD	CS-2 (3')	Total/NA	Solid	8015NM Prep	

Prep Batch: 27656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15959-6	CS-3 (3')	Total/NA	Solid	8015NM Prep	
MB 880-27656/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-27656/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-27656/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-15959-6 MS	CS-3 (3')	Total/NA	Solid	8015NM Prep	
880-15959-6 MSD	CS-3 (3')	Total/NA	Solid	8015NM Prep	

Prep Batch: 27658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15959-1	SW-1 (3')	Total/NA	Solid	8015NM Prep	
880-15959-2	SW-2 (3')	Total/NA	Solid	8015NM Prep	
880-15959-3	SW-3 (3')	Total/NA	Solid	8015NM Prep	
880-15959-4	CS-1 (3')	Total/NA	Solid	8015NM Prep	
MB 880-27658/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-27658/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-27658/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-15959-1 MS	SW-1 (3')	Total/NA	Solid	8015NM Prep	
880-15959-1 MSD	SW-1 (3')	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources

Job ID: 880-15959-1

Project/Site: SRO State Com #45 (03.18.22/4.01.22)

SDG: Eddy Co, NM

GC Semi VOA

Analysis Batch: 27715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15959-1	SW-1 (3')	Total/NA	Solid	8015 NM	
880-15959-2	SW-2 (3')	Total/NA	Solid	8015 NM	
880-15959-3	SW-3 (3')	Total/NA	Solid	8015 NM	
880-15959-4	CS-1 (3')	Total/NA	Solid	8015 NM	
880-15959-5	CS-2 (3')	Total/NA	Solid	8015 NM	
880-15959-6	CS-3 (3')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 27665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15959-1	SW-1 (3')	Soluble	Solid	DI Leach	
880-15959-2	SW-2 (3')	Soluble	Solid	DI Leach	
880-15959-3	SW-3 (3')	Soluble	Solid	DI Leach	
880-15959-4	CS-1 (3')	Soluble	Solid	DI Leach	
880-15959-5	CS-2 (3')	Soluble	Solid	DI Leach	
880-15959-6	CS-3 (3')	Soluble	Solid	DI Leach	
MB 880-27665/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-27665/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-27665/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-15959-1 MS	SW-1 (3')	Soluble	Solid	DI Leach	
880-15959-1 MSD	SW-1 (3')	Soluble	Solid	DI Leach	

Analysis Batch: 27730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15959-1	SW-1 (3')	Soluble	Solid	300.0	27665
880-15959-2	SW-2 (3')	Soluble	Solid	300.0	27665
880-15959-3	SW-3 (3')	Soluble	Solid	300.0	27665
880-15959-4	CS-1 (3')	Soluble	Solid	300.0	27665
880-15959-5	CS-2 (3')	Soluble	Solid	300.0	27665
880-15959-6	CS-3 (3')	Soluble	Solid	300.0	27665
MB 880-27665/1-A	Method Blank	Soluble	Solid	300.0	27665
LCS 880-27665/2-A	Lab Control Sample	Soluble	Solid	300.0	27665
LCSD 880-27665/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	27665
880-15959-1 MS	SW-1 (3')	Soluble	Solid	300.0	27665
880-15959-1 MSD	SW-1 (3')	Soluble	Solid	300.0	27665

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Lab Chronicle

Client: Carmona Resources
 Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-15959-1
 SDG: Eddy Co, NM

Client Sample ID: SW-1 (3')

Lab Sample ID: 880-15959-1

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

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	27659	06/16/22 08:55	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27651	06/16/22 22:52	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27769	06/17/22 09:21	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27715	06/16/22 15:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27658	06/16/22 08:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27645	06/16/22 11:29	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27665	06/16/22 09:22	CH	XEN MID
Soluble	Analysis	300.0		1			27730	06/17/22 01:11	CH	XEN MID

Client Sample ID: SW-2 (3')

Lab Sample ID: 880-15959-2

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

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	27659	06/16/22 08:55	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27651	06/16/22 23:12	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27769	06/17/22 09:21	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27715	06/16/22 15:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27658	06/16/22 08:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27645	06/16/22 12:34	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	27665	06/16/22 09:22	CH	XEN MID
Soluble	Analysis	300.0		1			27730	06/17/22 01:35	CH	XEN MID

Client Sample ID: SW-3 (3')

Lab Sample ID: 880-15959-3

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

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	27659	06/16/22 08:55	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27651	06/16/22 23:33	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27769	06/17/22 09:21	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27715	06/16/22 15:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27658	06/16/22 08:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27645	06/16/22 12:56	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	27665	06/16/22 09:22	CH	XEN MID
Soluble	Analysis	300.0		1			27730	06/17/22 01:43	CH	XEN MID

Client Sample ID: CS-1 (3')

Lab Sample ID: 880-15959-4

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

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	27659	06/16/22 08:55	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27651	06/16/22 23:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27769	06/17/22 09:21	AJ	XEN MID

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Lab Chronicle

Client: Carmona Resources
 Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-15959-1
 SDG: Eddy Co, NM

Client Sample ID: CS-1 (3')

Lab Sample ID: 880-15959-4

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

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			27715	06/16/22 15:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27658	06/16/22 08:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27645	06/16/22 13:18	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	27665	06/16/22 09:22	CH	XEN MID
Soluble	Analysis	300.0		1			27730	06/17/22 01:50	CH	XEN MID

Client Sample ID: CS-2 (3')

Lab Sample ID: 880-15959-5

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

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	27659	06/16/22 08:55	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27651	06/17/22 00:14	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27769	06/17/22 09:21	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27715	06/16/22 15:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27655	06/16/22 08:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27649	06/16/22 11:30	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	27665	06/16/22 09:22	CH	XEN MID
Soluble	Analysis	300.0		1			27730	06/17/22 01:58	CH	XEN MID

Client Sample ID: CS-3 (3')

Lab Sample ID: 880-15959-6

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

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	27659	06/16/22 08:55	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27651	06/17/22 00:34	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27769	06/17/22 09:21	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27715	06/16/22 15:30	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27656	06/16/22 08:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27647	06/16/22 11:30	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	27665	06/16/22 09:22	CH	XEN MID
Soluble	Analysis	300.0		1			27730	06/17/22 02:22	CH	XEN MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-15959-1
SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: Carmona Resources

Job ID: 880-15959-1

Project/Site: SRO State Com #45 (03.18.22/4.01.22)

SDG: Eddy Co, NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-15959-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-15959-1	SW-1 (3')	Solid	06/15/22 00:00	06/16/22 08:31
880-15959-2	SW-2 (3')	Solid	06/15/22 00:00	06/16/22 08:31
880-15959-3	SW-3 (3')	Solid	06/15/22 00:00	06/16/22 08:31
880-15959-4	CS-1 (3')	Solid	06/15/22 00:00	06/16/22 08:31
880-15959-5	CS-2 (3')	Solid	06/15/22 00:00	06/16/22 08:31
880-15959-6	CS-3 (3')	Solid	06/15/22 00:00	06/16/22 08:31

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

Work Order No: 15959

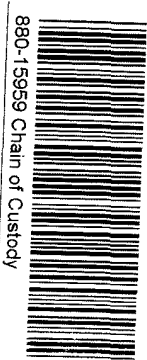
Page 1 of 1

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

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

Project Name	SRO State Com #45 (03 18 22/4 01 22)	Turn Around	Pres. Code	ANALYSIS REQUEST		Preservative Codes
Project Number	1033/1053	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush				None NO DI Water H ₂ O
Project Location	Eddy Co. NM	Due Date	24 Hour			Cool Cool MeOH Me
Sampler's Name	AT	TAT starts the day received by the lab if received by 4 30pm				HCL. HC HNO ₃ HN
PO #						H ₂ SO ₄ H ₂ NaOH Na
SAMPLE RECEIPT		Temp Blank.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	H ₃ PO ₄ HP
Received Inact.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID				NaHSO ₄ NABIS
Cooler Custody Seals	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor				Na ₂ S ₂ O ₃ NaSO ₃
Sample Custody Seals	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading	1.5			Zn Acetate+NaOH Zn
Total Containers.		Corrected Temperature	1.3			NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
SW-1 (3')	6/15/2022		X		Comp	1	X	X	X		
SW-2 (3')	6/15/2022		X		Comp	1	X	X	X		
SW-3 (3')	6/15/2022		X		Comp	1	X	X	X		
CS-1 (3')	6/15/2022		X		Comp	1	X	X	X		
CS-2 (3')	6/15/2022		X		Comp	1	X	X	X		
CS-3 (3')	6/15/2022		X		Comp	1	X	X	X		



880-15959 Chain of Custody

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	6/16/22 8:31		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-15959-1

SDG Number: Eddy Co, NM

Login Number: 15959

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Midland

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



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

June 23, 2022

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: SRO STATE COM #45

Enclosed are the results of analyses for samples received by the laboratory on 06/22/22 14:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SRO STATE COM #45	Sampling Condition:	Cool & Intact
Project Number:	1033 / 1053 (03.18.22 / 4.01.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 4 (2') (H222670-01)

BTX 8021B		mg/kg		Analyzed By: JH/				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.100	0.050	06/22/2022	ND	2.11	106	2.00	3.71	
Toluene*	3.27	0.050	06/22/2022	ND	2.07	103	2.00	3.68	QM-07
Ethylbenzene*	1.60	0.050	06/22/2022	ND	2.04	102	2.00	3.74	
Total Xylenes*	17.1	0.150	06/22/2022	ND	6.33	105	6.00	3.88	QM-07
Total BTX	22.1	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 236 % 69.9-140

Chloride, SM4500Cl-B			mg/kg					Analyzed By: GM	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	06/23/2022	ND	432	108	400	3.77	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	396	10.0	06/22/2022	ND	245	122	200	19.8	QM-07
DRO >C10-C28*	1230	10.0	06/22/2022	ND	225	113	200	16.7	QM-07
EXT DRO >C28-C36	517	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 115 % 66.9-136

Surrogate: 1-Chlorooctadecane 110 % 59.5-142

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SRO STATE COM #45	Sampling Condition:	Cool & Intact
Project Number:	1033 / 1053 (03.18.22 / 4.01.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 5 (3') (H222670-02)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.11	106	2.00	3.71	
Toluene*	<0.050	0.050	06/22/2022	ND	2.07	103	2.00	3.68	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.04	102	2.00	3.74	
Total Xylenes*	0.253	0.150	06/22/2022	ND	6.33	105	6.00	3.88	
Total BTEX	<0.300	0.300	06/22/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/23/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	10.9	10.0	06/22/2022	ND	245	122	200	19.8	
DRO >C10-C28*	145	10.0	06/22/2022	ND	225	113	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 110 % 66.9-136

Surrogate: 1-Chlorooctadecane 121 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SRO STATE COM #45	Sampling Condition:	Cool & Intact
Project Number:	1033 / 1053 (03.18.22 / 4.01.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 6 (3') (H222670-03)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/22/2022	ND	2.11	106	2.00	3.71		
Toluene*	<0.050	0.050	06/22/2022	ND	2.07	103	2.00	3.68		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.04	102	2.00	3.74		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.33	105	6.00	3.88		
Total BTEx	<0.300	0.300	06/22/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/23/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	245	122	200	19.8	
DRO >C10-C28*	97.9	10.0	06/22/2022	ND	225	113	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 91.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SRO STATE COM #45	Sampling Condition:	Cool & Intact
Project Number:	1033 / 1053 (03.18.22 / 4.01.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 7 (3') (H222670-04)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/22/2022	ND	2.11	106	2.00	3.71		
Toluene*	<0.050	0.050	06/22/2022	ND	2.07	103	2.00	3.68		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.04	102	2.00	3.74		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.33	105	6.00	3.88		
Total BTEx	<0.300	0.300	06/22/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	06/23/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	245	122	200	19.8	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	225	113	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SRO STATE COM #45	Sampling Condition:	Cool & Intact
Project Number:	1033 / 1053 (03.18.22 / 4.01.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 8 (3') (H222670-05)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.11	106	2.00	3.71	
Toluene*	<0.050	0.050	06/22/2022	ND	2.07	103	2.00	3.68	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.04	102	2.00	3.74	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.33	105	6.00	3.88	
Total BTEx	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	06/23/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	245	122	200	19.8	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	225	113	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 97.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 108 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SRO STATE COM #45	Sampling Condition:	Cool & Intact
Project Number:	1033 / 1053 (03.18.22 / 4.01.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 9 (0.5') (H222670-06)

BTEx 8021B		mg/kg	Analyzed By: JH/					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.105	0.050	06/22/2022	ND	2.11	106	2.00	3.71	
Toluene*	3.47	0.050	06/22/2022	ND	2.07	103	2.00	3.68	
Ethylbenzene*	1.65	0.050	06/22/2022	ND	2.04	102	2.00	3.74	
Total Xylenes*	17.5	0.150	06/22/2022	ND	6.33	105	6.00	3.88	
Total BTEX	22.7	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 235 % 69.9-140

Chloride, SM4500Cl-B		mg/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	06/23/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	520	10.0	06/22/2022	ND	245	122	200	19.8	
DRO >C10-C28*	1830	10.0	06/22/2022	ND	225	113	200	16.7	
EXT DRO >C28-C36	284	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 137 % 66.9-136

Surrogate: 1-Chlorooctadecane 135 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SRO STATE COM #45	Sampling Condition:	Cool & Intact
Project Number:	1033 / 1053 (03.18.22 / 4.01.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 10 (2.5') (H222670-07)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/22/2022	ND	2.11	106	2.00	3.71		
Toluene*	<0.050	0.050	06/22/2022	ND	2.07	103	2.00	3.68		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.04	102	2.00	3.74		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.33	105	6.00	3.88		
Total BTEX	<0.300	0.300	06/22/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/23/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	245	122	200	19.8	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	225	113	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 95.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 100 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SRO STATE COM #45	Sampling Condition:	Cool & Intact
Project Number:	1033 / 1053 (03.18.22 / 4.01.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 11 (2.5') (H222670-08)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/22/2022	ND	2.11	106	2.00	3.71		
Toluene*	<0.050	0.050	06/22/2022	ND	2.07	103	2.00	3.68		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.04	102	2.00	3.74		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.33	105	6.00	3.88		
Total BTEX	<0.300	0.300	06/22/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/23/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	245	122	200	19.8	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	225	113	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 87.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.6 % 59.5-142

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Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SRO STATE COM #45	Sampling Condition:	Cool & Intact
Project Number:	1033 / 1053 (03.18.22 / 4.01.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 12 (2.5') (H222670-09)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.11	106	2.00	3.71	
Toluene*	<0.050	0.050	06/22/2022	ND	2.07	103	2.00	3.68	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.04	102	2.00	3.74	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.33	105	6.00	3.88	
Total BTEx	<0.300	0.300	06/22/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/23/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	10.5	10.0	06/22/2022	ND	245	122	200	19.8	
DRO >C10-C28*	600	10.0	06/22/2022	ND	225	113	200	16.7	
EXT DRO >C28-C36	71.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 95.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 59.5-142

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Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SRO STATE COM #45	Sampling Condition:	Cool & Intact
Project Number:	1033 / 1053 (03.18.22 / 4.01.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 13 (0.5') (H222670-10)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.11	106	2.00	3.71	
Toluene*	<0.050	0.050	06/22/2022	ND	2.07	103	2.00	3.68	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.04	102	2.00	3.74	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.33	105	6.00	3.88	
Total BTEX	<0.300	0.300	06/22/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	06/23/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	245	122	200	19.8	
DRO >C10-C28*	123	10.0	06/22/2022	ND	225	113	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 95.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SRO STATE COM #45	Sampling Condition:	Cool & Intact
Project Number:	1033 / 1053 (03.18.22 / 4.01.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 14 (2') (H222670-11)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/22/2022	ND	2.11	106	2.00	3.71		
Toluene*	<0.050	0.050	06/22/2022	ND	2.07	103	2.00	3.68		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.04	102	2.00	3.74		
Total Xylenes*	0.561	0.150	06/22/2022	ND	6.33	105	6.00	3.88		
Total BTEX	0.561	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/23/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	67.8	10.0	06/22/2022	ND	245	122	200	19.8	
DRO >C10-C28*	1500	10.0	06/22/2022	ND	225	113	200	16.7	
EXT DRO >C28-C36	205	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 95.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 126 % 59.5-142

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Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SRO STATE COM #45	Sampling Condition:	Cool & Intact
Project Number:	1033 / 1053 (03.18.22 / 4.01.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 15 (2') (H222670-12)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/22/2022	ND	2.11	106	2.00	3.71		
Toluene*	<0.050	0.050	06/22/2022	ND	2.07	103	2.00	3.68		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.04	102	2.00	3.74		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.33	105	6.00	3.88		
Total BTEx	<0.300	0.300	06/22/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/23/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	245	122	200	19.8	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	225	113	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 92.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.9 % 59.5-142

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Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SRO STATE COM #45	Sampling Condition:	Cool & Intact
Project Number:	1033 / 1053 (03.18.22 / 4.01.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 16 (2') (H222670-13)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.11	106	2.00	3.71	
Toluene*	<0.050	0.050	06/22/2022	ND	2.07	103	2.00	3.68	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.04	102	2.00	3.74	
Total Xylenes*	0.193	0.150	06/22/2022	ND	6.33	105	6.00	3.88	
Total BTX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/23/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	245	122	200	19.8	
DRO >C10-C28*	317	10.0	06/22/2022	ND	225	113	200	16.7	
EXT DRO >C28-C36	40.8	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 127 % 59.5-142

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Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SRO STATE COM #45	Sampling Condition:	Cool & Intact
Project Number:	1033 / 1053 (03.18.22 / 4.01.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 17 (2') (H222670-14)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/22/2022	ND	2.11	106	2.00	3.71		
Toluene*	<0.050	0.050	06/22/2022	ND	2.07	103	2.00	3.68		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.04	102	2.00	3.74		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.33	105	6.00	3.88		
Total BTEx	<0.300	0.300	06/22/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/23/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2022	ND	245	122	200	19.8	
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	225	113	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 80.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.2 % 59.5-142

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Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SRO STATE COM #45	Sampling Condition:	Cool & Intact
Project Number:	1033 / 1053 (03.18.22 / 4.01.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 18 (1') (H222670-15)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/22/2022	ND	2.11	106	2.00	3.71		
Toluene*	<0.050	0.050	06/22/2022	ND	2.07	103	2.00	3.68		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.04	102	2.00	3.74		
Total Xylenes*	0.308	0.150	06/22/2022	ND	6.33	105	6.00	3.88		
Total BTEX	0.308	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/23/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	10.1	10.0	06/22/2022	ND	245	122	200	19.8	
DRO >C10-C28*	368	10.0	06/22/2022	ND	225	113	200	16.7	
EXT DRO >C28-C36	51.5	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 92.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 113 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SRO STATE COM #45	Sampling Condition:	Cool & Intact
Project Number:	1033 / 1053 (03.18.22 / 4.01.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 19 (1') (H222670-16)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/22/2022	ND	2.11	106	2.00	3.71		
Toluene*	<0.050	0.050	06/22/2022	ND	2.07	103	2.00	3.68		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.04	102	2.00	3.74		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.33	105	6.00	3.88		
Total BTX	<0.300	0.300	06/22/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/23/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	245	122	200	19.8	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	225	113	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 80.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.4 % 59.5-142

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Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SRO STATE COM #45	Sampling Condition:	Cool & Intact
Project Number:	1033 / 1053 (03.18.22 / 4.01.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 20 (1') (H222670-17)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/22/2022	ND	2.11	106	2.00	3.71		
Toluene*	<0.050	0.050	06/22/2022	ND	2.07	103	2.00	3.68		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.04	102	2.00	3.74		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.33	105	6.00	3.88		
Total BTX	<0.300	0.300	06/22/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/23/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	245	122	200	19.8	
DRO >C10-C28*	17.9	10.0	06/22/2022	ND	225	113	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SRO STATE COM #45	Sampling Condition:	Cool & Intact
Project Number:	1033 / 1053 (03.18.22 / 4.01.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 21 (1') (H222670-18)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/22/2022	ND	2.11	106	2.00	3.71		
Toluene*	<0.050	0.050	06/22/2022	ND	2.07	103	2.00	3.68		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.04	102	2.00	3.74		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.33	105	6.00	3.88		
Total BTX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/23/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	245	122	200	19.8	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	225	113	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 97.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 106 % 59.5-142

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Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SRO STATE COM #45	Sampling Condition:	Cool & Intact
Project Number:	1033 / 1053 (03.18.22 / 4.01.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 4 (3') (H222670-19)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/22/2022	ND	2.11	106	2.00	3.71		
Toluene*	<0.050	0.050	06/22/2022	ND	2.07	103	2.00	3.68		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.04	102	2.00	3.74		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.33	105	6.00	3.88		
Total BTX	<0.300	0.300	06/22/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	06/23/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2022	ND	245	122	200	19.8	
DRO >C10-C28*	<10.0	10.0	06/22/2022	ND	225	113	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	06/22/2022	ND					

Surrogate: 1-Chlorooctane 83.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.6 % 59.5-142

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Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SRO STATE COM #45	Sampling Condition:	Cool & Intact
Project Number:	1033 / 1053 (03.18.22 / 4.01.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 5 (3') (H222670-20)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/22/2022	ND	2.11	106	2.00	3.71		
Toluene*	<0.050	0.050	06/22/2022	ND	2.07	103	2.00	3.68		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.04	102	2.00	3.74		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.33	105	6.00	3.88		
Total BTEX	<0.300	0.300	06/22/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	06/23/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2022	ND	245	122	200	19.8	
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	225	113	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 79.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 84.1 % 59.5-142

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Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SRO STATE COM #45	Sampling Condition:	Cool & Intact
Project Number:	1033 / 1053 (03.18.22 / 4.01.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 6 (3') (H222670-21)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.24	112	2.00	3.59	QR-03
Toluene*	<0.050	0.050	06/22/2022	ND	2.21	111	2.00	3.99	QR-03
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.09	105	2.00	3.26	QR-03
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.50	108	6.00	3.33	QR-03
Total BTX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	06/23/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2022	ND	207	103	200	5.15	
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	210	105	200	0.492	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 92.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.1 % 59.5-142

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Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SRO STATE COM #45	Sampling Condition:	Cool & Intact
Project Number:	1033 / 1053 (03.18.22 / 4.01.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 7 (3') (H222670-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/22/2022	ND	2.24	112	2.00	3.59		
Toluene*	<0.050	0.050	06/22/2022	ND	2.21	111	2.00	3.99		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.09	105	2.00	3.26		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.50	108	6.00	3.33		
Total BTEx	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/23/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2022	ND	207	103	200	5.15	
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	210	105	200	0.492	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.7 % 59.5-142

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Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SRO STATE COM #45	Sampling Condition:	Cool & Intact
Project Number:	1033 / 1053 (03.18.22 / 4.01.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 8 (3') (H222670-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/22/2022	ND	2.24	112	2.00	3.59		
Toluene*	<0.050	0.050	06/22/2022	ND	2.21	111	2.00	3.99		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.09	105	2.00	3.26		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.50	108	6.00	3.33		
Total BTEx	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/23/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2022	ND	207	103	200	5.15	
DRO >C10-C28*	34.3	10.0	06/23/2022	ND	210	105	200	0.492	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 97.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.0 % 59.5-142

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Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SRO STATE COM #45	Sampling Condition:	Cool & Intact
Project Number:	1033 / 1053 (03.18.22 / 4.01.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 9 (3') (H222670-24)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/22/2022	ND	2.24	112	2.00	3.59		
Toluene*	<0.050	0.050	06/22/2022	ND	2.21	111	2.00	3.99		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.09	105	2.00	3.26		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.50	108	6.00	3.33		
Total BTEx	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/23/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2022	ND	207	103	200	5.15	
DRO >C10-C28*	34.5	10.0	06/23/2022	ND	210	105	200	0.492	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 84.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 84.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SRO STATE COM #45	Sampling Condition:	Cool & Intact
Project Number:	1033 / 1053 (03.18.22 / 4.01.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 10 (2.5') (H222670-25)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/22/2022	ND	2.24	112	2.00	3.59		
Toluene*	<0.050	0.050	06/22/2022	ND	2.21	111	2.00	3.99		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.09	105	2.00	3.26		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.50	108	6.00	3.33		
Total BTX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	06/23/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2022	ND	207	103	200	5.15	
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	210	105	200	0.492	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 98.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.2 % 59.5-142

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Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SRO STATE COM #45	Sampling Condition:	Cool & Intact
Project Number:	1033 / 1053 (03.18.22 / 4.01.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 11 (2.5') (H222670-26)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/22/2022	ND	2.24	112	2.00	3.59		
Toluene*	<0.050	0.050	06/22/2022	ND	2.21	111	2.00	3.99		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.09	105	2.00	3.26		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.50	108	6.00	3.33		
Total BTX	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/23/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2022	ND	207	103	200	5.15	
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	210	105	200	0.492	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 100 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.2 % 59.5-142

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Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SRO STATE COM #45	Sampling Condition:	Cool & Intact
Project Number:	1033 / 1053 (03.18.22 / 4.01.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 12 (2') (H222670-27)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.24	112	2.00	3.59	
Toluene*	<0.050	0.050	06/22/2022	ND	2.21	111	2.00	3.99	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.09	105	2.00	3.26	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.50	108	6.00	3.33	
Total BTX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/23/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2022	ND	207	103	200	5.15	
DRO >C10-C28*	11.0	10.0	06/23/2022	ND	210	105	200	0.492	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SRO STATE COM #45	Sampling Condition:	Cool & Intact
Project Number:	1033 / 1053 (03.18.22 / 4.01.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 13 (2') (H222670-28)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2022	ND	2.24	112	2.00	3.59	
Toluene*	<0.050	0.050	06/22/2022	ND	2.21	111	2.00	3.99	
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.09	105	2.00	3.26	
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.50	108	6.00	3.33	
Total BTX	<0.300	0.300	06/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/23/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	27.3	10.0	06/23/2022	ND	207	103	200	5.15	
DRO >C10-C28*	2000	10.0	06/23/2022	ND	210	105	200	0.492	
EXT DRO >C28-C36	316	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 96.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.1 % 59.5-142

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Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SRO STATE COM #45	Sampling Condition:	Cool & Intact
Project Number:	1033 / 1053 (03.18.22 / 4.01.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 14 (2') (H222670-29)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/22/2022	ND	2.24	112	2.00	3.59		
Toluene*	<0.050	0.050	06/22/2022	ND	2.21	111	2.00	3.99		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.09	105	2.00	3.26		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.50	108	6.00	3.33		
Total BTEx	<0.300	0.300	06/22/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/23/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2022	ND	207	103	200	5.15	
DRO >C10-C28*	187	10.0	06/23/2022	ND	210	105	200	0.492	
EXT DRO >C28-C36	30.5	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

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Analytical Results For:

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

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SRO STATE COM #45	Sampling Condition:	Cool & Intact
Project Number:	1033 / 1053 (03.18.22 / 4.01.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 15 (1') (H222670-30)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/22/2022	ND	2.24	112	2.00	3.59		
Toluene*	<0.050	0.050	06/22/2022	ND	2.21	111	2.00	3.99		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.09	105	2.00	3.26		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.50	108	6.00	3.33		
Total BTEx	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/23/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2022	ND	207	103	200	5.15	
DRO >C10-C28*	<10.0	10.0	06/23/2022	ND	210	105	200	0.492	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 67.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 68.1 % 59.5-142

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Analytical Results For:

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 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	06/22/2022	Sampling Date:	06/22/2022
Reported:	06/23/2022	Sampling Type:	Soil
Project Name:	SRO STATE COM #45	Sampling Condition:	Cool & Intact
Project Number:	1033 / 1053 (03.18.22 / 4.01.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 16 (1') (H222670-31)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/22/2022	ND	2.24	112	2.00	3.59		
Toluene*	<0.050	0.050	06/22/2022	ND	2.21	111	2.00	3.99		
Ethylbenzene*	<0.050	0.050	06/22/2022	ND	2.09	105	2.00	3.26		
Total Xylenes*	<0.150	0.150	06/22/2022	ND	6.50	108	6.00	3.33		
Total BTEx	<0.300	0.300	06/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/23/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2022	ND	207	103	200	5.15	
DRO >C10-C28*	25.7	10.0	06/23/2022	ND	210	105	200	0.492	
EXT DRO >C28-C36	<10.0	10.0	06/23/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-04	The RPD for the BS/BSD was outside of historical limits.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H222670

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

Work Order Comments Program: <input type="checkbox"/> UST/ <input type="checkbox"/> PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund State of Project: _____ Reporting Level: <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV Deliverables: <input type="checkbox"/> EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: _____	
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Project Name:	SRO State Com #45 (03.18.22/4.01.22)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	
Project Number:	1033/1053	Due Date:	24 Hour		
Project Location:	Eddy Co. NM	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	AT				
PO #:					

SAMPLE RECEIPT		Temp Blank:	Yes	No	Wet Ice:	Yes	No	Parameters	
Received Intact:	Yes	No			Thermometer ID:	#113		BTEX 8021B	
Cooler Custody Seals:	Yes	No			Correction Factor:	-0.5°C		TPH 8015M (GRO + DRO + MRO)	
Sample Custody Seals:	Yes	No			Temperature Reading:	4.0°C		Chloride 4500	
Total Containers:	Yes	No			Corrected Temperature:	5.5°C			
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST	
SW-4 (2)		6/22/2022		X		Comp	1		
SW-5 (3)		6/22/2022		X		Comp	1		
SW-6 (3)		6/22/2022		X		Comp	1		
SW-7 (3)		6/22/2022		X		Comp	1		
SW-8 (3)		6/22/2022		X		Comp	1		
SW-9 (0.5)		6/22/2022		X		Comp	1		
SW-10 (2.5)		6/22/2022		X		Comp	1		
SW-11 (2.5)		6/22/2022		X		Comp	1		
SW-12 (2.5)		6/22/2022		X		Comp	1		
SW-13 (0.5)		6/22/2022		X		Comp	1		

Preservative Codes None: NO DI Water: H ₂ O Cool: Cool MeOH: Me 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	Sample Comments HOLD
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Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time

Chain of Custody

Work Order No: 42221070

Page 2 of 4

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

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

Project Name:	SRO State Com #45 (03.18.22/4.01.22)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	
Project Number:	1033/1053	Due Date:	24 Hour		
Project Location:	Eddy Co, NM	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	AT				
PO #:					
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	#113		
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:	-0.5°C		
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:	6.0°C		
Total Containers:		Corrected Temperature:	5.5°C		



Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST										Preservative Codes
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500								
SW-14 (2)	6/22/2022		X		Comp	1	X	X	X								None: NO DI Water: H ₂ O
SW-15 (2)	6/22/2022		X		Comp	1	X	X	X								Cool: Cool MeOH: Me
SW-16 (2)	6/22/2022		X		Comp	1	X	X	X								HCL: HC HNO ₃ : HN
SW-17 (2)	6/22/2022		X		Comp	1	X	X	X								H ₂ SO ₄ : H ₂ NaOH: Na
SW-18 (1)	6/22/2022		X		Comp	1	X	X	X								H ₃ PO ₄ : HP
SW-19 (1)	6/22/2022		X		Comp	1	X	X	X								NaHSO ₄ : NABIS
SW-20 (1)	6/22/2022		X		Comp	1	X	X	X								Na ₂ S ₂ O ₅ : NaSO ₃
SW-21 (1)	6/22/2022		X		Comp	1	X	X	X								Zn Acetate+NaOH: Zn
CS-4 (3')	6/22/2022		X		Comp	1	X	X	X								NaOH+Ascorbic Acid: SABC
CS-5 (3')	6/22/2022		X		Comp	1	X	X	X								

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	6-22-22 1433		6-22-22 1435

Work Order No: 4222670

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

[illegible][illegible]

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	6-22-23 1438		6-22-23 1439

Chain of Custody

Work Order No: 4222070

Page of

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

Work Order Comments

Program: UST/ST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADAPT ☐ Other: _____

[illegible]



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-16296-1

Laboratory Sample Delivery Group: Eddy Co, NM
Client Project/Site: SRO State Com #45 (03.18.22/4.01.22)
Revision: 1

For:

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

Attn: Conner Moehring

Authorized for release by:
6/29/2022 12:17:48 PM

Jessica Kramer, Project Manager
(432)704-5440

Jessica.Kramer@et.eurofinsus.com

LINKS

Review your project
results through



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www.eurofinsus.com/Env

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

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

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Laboratory Job ID: 880-16296-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: Carmona Resources
 Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-16296-1
 SDG: Eddy Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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.

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 #45 (03.18.22/4.01.22)

Job ID: 880-16296-1
SDG: Eddy Co, NM

Job ID: 880-16296-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-16296-1

REVISION

The report being provided is a revision of the original report sent on 6/27/2022. The report (revision 1) is being revised due to Per client email, requesting re run on samples.

Report revision history

Receipt

The samples were received on 6/24/2022 3:31 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 5.4°C

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-28379/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-16296-A-1-B MS) and (880-16296-A-1-C MSD). 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: SW-9 (0.5') (880-16296-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-28379 and analytical batch 880-28375 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-28577/3-A). 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: SW-14 (2') (880-16296-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-28577 and analytical batch 880-28522 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

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 #45 (03.18.22/4.01.22)

Job ID: 880-16296-1
SDG: Eddy Co, NM

Client Sample ID: CS-13 (2.5')

Lab Sample ID: 880-16296-1

Date Collected: 06/24/22 00:00

Matrix: Solid

Date Received: 06/24/22 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/24/22 17:16	06/26/22 03:29	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/24/22 17:16	06/26/22 03:29	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/24/22 17:16	06/26/22 03:29	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/24/22 17:16	06/26/22 03:29	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/24/22 17:16	06/26/22 03:29	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/24/22 17:16	06/26/22 03:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	06/24/22 17:16	06/26/22 03:29	1
1,4-Difluorobenzene (Surr)	91		70 - 130	06/24/22 17:16	06/26/22 03:29	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			06/27/22 14:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/27/22 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/25/22 10:11	06/26/22 01:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		06/25/22 10:11	06/26/22 01:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/25/22 10:11	06/26/22 01:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	06/25/22 10:11	06/26/22 01:20	1
o-Terphenyl	123		70 - 130	06/25/22 10:11	06/26/22 01:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.7		5.01		mg/Kg			06/26/22 21:27	1

Client Sample ID: CS-14 (2.5')

Lab Sample ID: 880-16296-2

Date Collected: 06/24/22 00:00

Matrix: Solid

Date Received: 06/24/22 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/24/22 17:16	06/26/22 03:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/22 17:16	06/26/22 03:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/22 17:16	06/26/22 03:49	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/24/22 17:16	06/26/22 03:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/22 17:16	06/26/22 03:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/24/22 17:16	06/26/22 03:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	06/24/22 17:16	06/26/22 03:49	1
1,4-Difluorobenzene (Surr)	89		70 - 130	06/24/22 17:16	06/26/22 03:49	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-16296-1
SDG: Eddy Co, NM

Client Sample ID: CS-14 (2.5')

Lab Sample ID: 880-16296-2

Date Collected: 06/24/22 00:00

Matrix: Solid

Date Received: 06/24/22 15:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/27/22 14:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/27/22 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/25/22 10:11	06/26/22 02:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/25/22 10:11	06/26/22 02:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/25/22 10:11	06/26/22 02:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				06/25/22 10:11	06/26/22 02:23	1
o-Terphenyl	125		70 - 130				06/25/22 10:11	06/26/22 02:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.0		5.03		mg/Kg			06/26/22 21:37	1

Client Sample ID: SW-4 (2')

Lab Sample ID: 880-16296-3

Date Collected: 06/24/22 00:00

Matrix: Solid

Date Received: 06/24/22 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/24/22 17:16	06/26/22 04:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/24/22 17:16	06/26/22 04:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/24/22 17:16	06/26/22 04:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/24/22 17:16	06/26/22 04:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/24/22 17:16	06/26/22 04:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/24/22 17:16	06/26/22 04:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				06/24/22 17:16	06/26/22 04:09	1
1,4-Difluorobenzene (Surr)	91		70 - 130				06/24/22 17:16	06/26/22 04:09	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/27/22 14:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/27/22 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/25/22 10:11	06/26/22 02:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/25/22 10:11	06/26/22 02:44	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-16296-1
SDG: Eddy Co, NM

Client Sample ID: SW-4 (2')

Date Collected: 06/24/22 00:00

Date Received: 06/24/22 15:31

Lab Sample ID: 880-16296-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/25/22 10:11	06/26/22 02:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				06/25/22 10:11	06/26/22 02:44	1
o-Terphenyl	123		70 - 130				06/25/22 10:11	06/26/22 02:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.9		5.03		mg/Kg			06/26/22 22:04	1

Client Sample ID: SW-5 (3')

Date Collected: 06/24/22 00:00

Date Received: 06/24/22 15:31

Lab Sample ID: 880-16296-4

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/24/22 17:16	06/26/22 04:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/24/22 17:16	06/26/22 04:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/24/22 17:16	06/26/22 04:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/24/22 17:16	06/26/22 04:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/24/22 17:16	06/26/22 04:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/24/22 17:16	06/26/22 04:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				06/24/22 17:16	06/26/22 04:30	1
1,4-Difluorobenzene (Surr)	90		70 - 130				06/24/22 17:16	06/26/22 04:30	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/27/22 14:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/27/22 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/25/22 10:11	06/26/22 03:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/25/22 10:11	06/26/22 03:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/25/22 10:11	06/26/22 03:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				06/25/22 10:11	06/26/22 03:05	1
o-Terphenyl	125		70 - 130				06/25/22 10:11	06/26/22 03:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.4		5.03		mg/Kg			06/26/22 22:14	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-16296-1
SDG: Eddy Co, NM

Client Sample ID: SW-9 (0.5')

Lab Sample ID: 880-16296-5

Date Collected: 06/24/22 00:00

Matrix: Solid

Date Received: 06/24/22 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/24/22 17:16	06/26/22 04:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/22 17:16	06/26/22 04:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/22 17:16	06/26/22 04:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/24/22 17:16	06/26/22 04:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/22 17:16	06/26/22 04:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/24/22 17:16	06/26/22 04:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	06/24/22 17:16	06/26/22 04:50	1
1,4-Difluorobenzene (Surr)	92		70 - 130	06/24/22 17:16	06/26/22 04:50	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			06/27/22 14:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/27/22 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/25/22 10:11	06/26/22 03:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/25/22 10:11	06/26/22 03:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/25/22 10:11	06/26/22 03:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130	06/25/22 10:11	06/26/22 03:26	1
o-Terphenyl	131	S1+	70 - 130	06/25/22 10:11	06/26/22 03:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.7		5.03		mg/Kg			06/26/22 22:23	1

Client Sample ID: SW-12 (2.5')

Lab Sample ID: 880-16296-6

Date Collected: 06/24/22 00:00

Matrix: Solid

Date Received: 06/24/22 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/24/22 17:16	06/26/22 05:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/24/22 17:16	06/26/22 05:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/24/22 17:16	06/26/22 05:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/24/22 17:16	06/26/22 05:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/24/22 17:16	06/26/22 05:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/24/22 17:16	06/26/22 05:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	06/24/22 17:16	06/26/22 05:11	1
1,4-Difluorobenzene (Surr)	89		70 - 130	06/24/22 17:16	06/26/22 05:11	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-16296-1
SDG: Eddy Co, NM

Client Sample ID: SW-12 (2.5')

Lab Sample ID: 880-16296-6

Date Collected: 06/24/22 00:00

Matrix: Solid

Date Received: 06/24/22 15:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/27/22 14:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/27/22 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/25/22 10:11	06/26/22 03:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/25/22 10:11	06/26/22 03:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/25/22 10:11	06/26/22 03:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				06/25/22 10:11	06/26/22 03:47	1
o-Terphenyl	127		70 - 130				06/25/22 10:11	06/26/22 03:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.1		4.98		mg/Kg			06/26/22 22:32	1

Client Sample ID: SW-13 (0.5')

Lab Sample ID: 880-16296-7

Date Collected: 06/24/22 00:00

Matrix: Solid

Date Received: 06/24/22 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/25/22 18:16	06/27/22 11:01	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/25/22 18:16	06/27/22 11:01	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/25/22 18:16	06/27/22 11:01	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/25/22 18:16	06/27/22 11:01	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/25/22 18:16	06/27/22 11:01	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/25/22 18:16	06/27/22 11:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				06/25/22 18:16	06/27/22 11:01	1
1,4-Difluorobenzene (Surr)	95		70 - 130				06/25/22 18:16	06/27/22 11:01	1

Method: 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			06/27/22 14:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/27/22 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/25/22 10:11	06/26/22 04:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/25/22 10:11	06/26/22 04:08	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-16296-1
SDG: Eddy Co, NM

Client Sample ID: SW-13 (0.5')

Lab Sample ID: 880-16296-7

Date Collected: 06/24/22 00:00

Matrix: Solid

Date Received: 06/24/22 15:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/25/22 10:11	06/26/22 04:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				06/25/22 10:11	06/26/22 04:08	1
o-Terphenyl	124		70 - 130				06/25/22 10:11	06/26/22 04:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.4		5.00		mg/Kg			06/26/22 22:41	1

Client Sample ID: SW-14 (2')

Lab Sample ID: 880-16296-8

Date Collected: 06/24/22 00:00

Matrix: Solid

Date Received: 06/24/22 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/25/22 18:16	06/27/22 11:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/25/22 18:16	06/27/22 11:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/25/22 18:16	06/27/22 11:21	1
m-Xylene & p-Xylene	0.00414		0.00399		mg/Kg		06/25/22 18:16	06/27/22 11:21	1
o-Xylene	0.00235		0.00200		mg/Kg		06/25/22 18:16	06/27/22 11:21	1
Xylenes, Total	0.00649		0.00399		mg/Kg		06/25/22 18:16	06/27/22 11:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				06/25/22 18:16	06/27/22 11:21	1
1,4-Difluorobenzene (Surr)	94		70 - 130				06/25/22 18:16	06/27/22 11:21	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00649		0.00399		mg/Kg			06/27/22 14:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/27/22 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/28/22 16:43	06/29/22 06:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/28/22 16:43	06/29/22 06:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/28/22 16:43	06/29/22 06:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130				06/28/22 16:43	06/29/22 06:42	1
o-Terphenyl	123		70 - 130				06/28/22 16:43	06/29/22 06:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.4		4.99		mg/Kg			06/26/22 22:50	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-16296-1
SDG: Eddy Co, NM

Client Sample ID: SW-16 (2')

Lab Sample ID: 880-16296-9

Date Collected: 06/24/22 00:00

Matrix: Solid

Date Received: 06/24/22 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/25/22 18:16	06/27/22 11:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/25/22 18:16	06/27/22 11:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/25/22 18:16	06/27/22 11:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/25/22 18:16	06/27/22 11:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/25/22 18:16	06/27/22 11:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/25/22 18:16	06/27/22 11:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	06/25/22 18:16	06/27/22 11:42	1
1,4-Difluorobenzene (Surr)	93		70 - 130	06/25/22 18:16	06/27/22 11:42	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			06/27/22 14:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	96.4		50.0		mg/Kg			06/27/22 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	96.4		50.0		mg/Kg		06/25/22 10:11	06/25/22 15:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/25/22 10:11	06/25/22 15:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/25/22 10:11	06/25/22 15:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	06/25/22 10:11	06/25/22 15:56	1
o-Terphenyl	106		70 - 130	06/25/22 10:11	06/25/22 15:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.9		4.99		mg/Kg			06/26/22 23:00	1

Client Sample ID: SW-18 (1.5')

Lab Sample ID: 880-16296-10

Date Collected: 06/24/22 00:00

Matrix: Solid

Date Received: 06/24/22 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/25/22 18:16	06/27/22 12:02	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/25/22 18:16	06/27/22 12:02	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/25/22 18:16	06/27/22 12:02	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/25/22 18:16	06/27/22 12:02	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/25/22 18:16	06/27/22 12:02	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/25/22 18:16	06/27/22 12:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	06/25/22 18:16	06/27/22 12:02	1
1,4-Difluorobenzene (Surr)	94		70 - 130	06/25/22 18:16	06/27/22 12:02	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-16296-1
SDG: Eddy Co, NM

Client Sample ID: SW-18 (1.5')

Lab Sample ID: 880-16296-10

Date Collected: 06/24/22 00:00

Matrix: Solid

Date Received: 06/24/22 15:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			06/27/22 14:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/27/22 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/25/22 10:11	06/25/22 16:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/25/22 10:11	06/25/22 16:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/25/22 10:11	06/25/22 16:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				06/25/22 10:11	06/25/22 16:19	1
o-Terphenyl	104		70 - 130				06/25/22 10:11	06/25/22 16:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.8		4.95		mg/Kg			06/26/22 14:14	1

Client Sample ID: CS-17 (2')

Lab Sample ID: 880-16296-11

Date Collected: 06/24/22 00:00

Matrix: Solid

Date Received: 06/24/22 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/25/22 18:16	06/27/22 12:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/25/22 18:16	06/27/22 12:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/25/22 18:16	06/27/22 12:23	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/25/22 18:16	06/27/22 12:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/25/22 18:16	06/27/22 12:23	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/25/22 18:16	06/27/22 12:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				06/25/22 18:16	06/27/22 12:23	1
1,4-Difluorobenzene (Surr)	94		70 - 130				06/25/22 18:16	06/27/22 12:23	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/27/22 14:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/27/22 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/25/22 10:11	06/25/22 16:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/25/22 10:11	06/25/22 16:41	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-16296-1
SDG: Eddy Co, NM

Client Sample ID: CS-17 (2')

Lab Sample ID: 880-16296-11

Date Collected: 06/24/22 00:00

Matrix: Solid

Date Received: 06/24/22 15:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/25/22 10:11	06/25/22 16:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				06/25/22 10:11	06/25/22 16:41	1
o-Terphenyl	99		70 - 130				06/25/22 10:11	06/25/22 16:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.3		5.00		mg/Kg			06/26/22 14:41	1

Client Sample ID: SW-22 (2.5')

Lab Sample ID: 880-16296-12

Date Collected: 06/24/22 00:00

Matrix: Solid

Date Received: 06/24/22 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/25/22 18:16	06/27/22 12:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/25/22 18:16	06/27/22 12:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/25/22 18:16	06/27/22 12:43	1
m-Xylene & p-Xylene	0.00404		0.00398		mg/Kg		06/25/22 18:16	06/27/22 12:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/25/22 18:16	06/27/22 12:43	1
Xylenes, Total	0.00404		0.00398		mg/Kg		06/25/22 18:16	06/27/22 12:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				06/25/22 18:16	06/27/22 12:43	1
1,4-Difluorobenzene (Surr)	95		70 - 130				06/25/22 18:16	06/27/22 12:43	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00404		0.00398		mg/Kg			06/27/22 14:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/27/22 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/25/22 10:11	06/25/22 17:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/25/22 10:11	06/25/22 17:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/25/22 10:11	06/25/22 17:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				06/25/22 10:11	06/25/22 17:03	1
o-Terphenyl	102		70 - 130				06/25/22 10:11	06/25/22 17:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.2		4.99		mg/Kg			06/26/22 14:51	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-16296-1
SDG: Eddy Co, NM

Client Sample ID: SW-23 (2.5')

Lab Sample ID: 880-16296-13

Date Collected: 06/24/22 00:00

Matrix: Solid

Date Received: 06/24/22 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/25/22 18:16	06/27/22 13:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/25/22 18:16	06/27/22 13:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/25/22 18:16	06/27/22 13:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/25/22 18:16	06/27/22 13:04	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/25/22 18:16	06/27/22 13:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/25/22 18:16	06/27/22 13:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	06/25/22 18:16	06/27/22 13:04	1
1,4-Difluorobenzene (Surr)	93		70 - 130	06/25/22 18:16	06/27/22 13:04	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/27/22 14:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/27/22 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/25/22 10:11	06/25/22 17:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/25/22 10:11	06/25/22 17:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/25/22 10:11	06/25/22 17:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	06/25/22 10:11	06/25/22 17:25	1
o-Terphenyl	95		70 - 130	06/25/22 10:11	06/25/22 17:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.7		5.01		mg/Kg			06/26/22 15:00	1

Client Sample ID: SW-24 (0.5')

Lab Sample ID: 880-16296-14

Date Collected: 06/24/22 00:00

Matrix: Solid

Date Received: 06/24/22 15:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/25/22 18:16	06/27/22 13:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/25/22 18:16	06/27/22 13:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/25/22 18:16	06/27/22 13:24	1
m-Xylene & p-Xylene	0.00514		0.00401		mg/Kg		06/25/22 18:16	06/27/22 13:24	1
o-Xylene	0.00251		0.00200		mg/Kg		06/25/22 18:16	06/27/22 13:24	1
Xylenes, Total	0.00765		0.00401		mg/Kg		06/25/22 18:16	06/27/22 13:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	06/25/22 18:16	06/27/22 13:24	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/25/22 18:16	06/27/22 13:24	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-16296-1
SDG: Eddy Co, NM

Client Sample ID: SW-24 (0.5')

Lab Sample ID: 880-16296-14

Date Collected: 06/24/22 00:00

Matrix: Solid

Date Received: 06/24/22 15:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00765		0.00401		mg/Kg			06/27/22 14:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/27/22 10:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/25/22 10:11	06/25/22 17:48	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/25/22 10:11	06/25/22 17:48	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/25/22 10:11	06/25/22 17:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				06/25/22 10:11	06/25/22 17:48	1
o-Terphenyl	104		70 - 130				06/25/22 10:11	06/25/22 17:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.4		4.97		mg/Kg			06/26/22 15:09	1

Surrogate Summary

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-16296-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-16241-A-1-C MS	Matrix Spike	111	100
880-16241-A-1-D MSD	Matrix Spike Duplicate	110	99
880-16296-1	CS-13 (2.5')	121	91
880-16296-2	CS-14 (2.5')	118	89
880-16296-3	SW-4 (2')	120	91
880-16296-4	SW-5 (3')	120	90
880-16296-5	SW-9 (0.5')	121	92
880-16296-6	SW-12 (2.5')	116	89
880-16296-7	SW-13 (0.5')	113	95
880-16296-7 MS	SW-13 (0.5')	111	98
880-16296-7 MSD	SW-13 (0.5')	116	100
880-16296-8	SW-14 (2')	117	94
880-16296-9	SW-16 (2')	118	93
880-16296-10	SW-18 (1.5')	122	94
880-16296-11	CS-17 (2')	115	94
880-16296-12	SW-22 (2.5')	114	95
880-16296-13	SW-23 (2.5')	113	93
880-16296-14	SW-24 (0.5')	124	98
LCS 880-28363/1-A	Lab Control Sample	110	98
LCS 880-28399/1-A	Lab Control Sample	111	98
LCSD 880-28363/2-A	Lab Control Sample Dup	107	100
LCSD 880-28399/2-A	Lab Control Sample Dup	111	98
MB 880-28363/5-A	Method Blank	101	89
MB 880-28399/5-A	Method Blank	105	89
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)
880-16296-1	CS-13 (2.5')	113	123
880-16296-1 MS	CS-13 (2.5')	134 S1+	130
880-16296-1 MSD	CS-13 (2.5')	149 S1+	143 S1+
880-16296-2	CS-14 (2.5')	117	125
880-16296-3	SW-4 (2')	115	123
880-16296-4	SW-5 (3')	114	125
880-16296-5	SW-9 (0.5')	120	131 S1+
880-16296-6	SW-12 (2.5')	120	127
880-16296-7	SW-13 (0.5')	117	124
880-16296-8	SW-14 (2')	139 S1+	123
880-16296-9	SW-16 (2')	107	106
880-16296-10	SW-18 (1.5')	104	104
880-16296-11	CS-17 (2')	102	99
880-16296-12	SW-22 (2.5')	100	102
880-16296-13	SW-23 (2.5')	99	95

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Surrogate Summary

Client: Carmona Resources
 Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-16296-1
 SDG: Eddy Co, NM

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-16296-14	SW-24 (0.5')	102	104
880-16321-A-2-C MS	Matrix Spike	128	103
880-16321-A-2-D MSD	Matrix Spike Duplicate	127	102
LCS 880-28379/2-A	Lab Control Sample	99	108
LCS 880-28577/2-A	Lab Control Sample	122	105
LCSD 880-28379/3-A	Lab Control Sample Dup	107	119
LCSD 880-28577/3-A	Lab Control Sample Dup	131 S1+	112
MB 880-28379/1-A	Method Blank	136 S1+	148 S1+
MB 880-28577/1-A	Method Blank	128	116

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-16296-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-28363/5-A

Matrix: Solid

Analysis Batch: 28398

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28363

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/24/22 15:16	06/25/22 21:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/24/22 15:16	06/25/22 21:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/24/22 15:16	06/25/22 21:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/24/22 15:16	06/25/22 21:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/24/22 15:16	06/25/22 21:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/24/22 15:16	06/25/22 21:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	06/24/22 15:16	06/25/22 21:19	1
1,4-Difluorobenzene (Surr)	89		70 - 130	06/24/22 15:16	06/25/22 21:19	1

Lab Sample ID: LCS 880-28363/1-A

Matrix: Solid

Analysis Batch: 28398

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 28363

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1136		mg/Kg		114	70 - 130
Toluene	0.100	0.1103		mg/Kg		110	70 - 130
Ethylbenzene	0.100	0.1153		mg/Kg		115	70 - 130
m-Xylene & p-Xylene	0.200	0.2346		mg/Kg		117	70 - 130
o-Xylene	0.100	0.1196		mg/Kg		120	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-28363/2-A

Matrix: Solid

Analysis Batch: 28398

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 28363

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1099		mg/Kg		110	70 - 130	3	35
Toluene	0.100	0.1041		mg/Kg		104	70 - 130	6	35
Ethylbenzene	0.100	0.1082		mg/Kg		108	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2204		mg/Kg		110	70 - 130	6	35
o-Xylene	0.100	0.1110		mg/Kg		111	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-16241-A-1-C MS

Matrix: Solid

Analysis Batch: 28398

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 28363

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.1028		mg/Kg		103	70 - 130
Toluene	<0.00201	U	0.100	0.09858		mg/Kg		98	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-16296-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-16241-A-1-C MS

Matrix: Solid

Analysis Batch: 28398

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 28363

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.1012		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2077		mg/Kg		104	70 - 130
o-Xylene	<0.00201	U	0.100	0.1035		mg/Kg		103	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-16241-A-1-D MSD

Matrix: Solid

Analysis Batch: 28398

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 28363

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00201	U	0.0996	0.1015		mg/Kg		102	70 - 130	1	35
Toluene	<0.00201	U	0.0996	0.09871		mg/Kg		99	70 - 130	0	35
Ethylbenzene	<0.00201	U	0.0996	0.1014		mg/Kg		102	70 - 130	0	35
m-Xylene & p-Xylene	<0.00402	U	0.199	0.2067		mg/Kg		104	70 - 130	0	35
o-Xylene	<0.00201	U	0.0996	0.1030		mg/Kg		103	70 - 130	0	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: MB 880-28399/5-A

Matrix: Solid

Analysis Batch: 28415

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28399

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/25/22 18:16	06/27/22 10:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/25/22 18:16	06/27/22 10:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/25/22 18:16	06/27/22 10:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/25/22 18:16	06/27/22 10:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/25/22 18:16	06/27/22 10:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/25/22 18:16	06/27/22 10:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	06/25/22 18:16	06/27/22 10:39	1
1,4-Difluorobenzene (Surr)	89		70 - 130	06/25/22 18:16	06/27/22 10:39	1

Lab Sample ID: LCS 880-28399/1-A

Matrix: Solid

Analysis Batch: 28415

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 28399

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09940		mg/Kg		99	70 - 130
Toluene	0.100	0.09941		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1040		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	0.200	0.2139		mg/Kg		107	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-16296-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-28399/1-A

Matrix: Solid

Analysis Batch: 28415

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 28399

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1062		mg/Kg		106	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-28399/2-A

Matrix: Solid

Analysis Batch: 28415

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 28399

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1047		mg/Kg		105	70 - 130	5	35
Toluene	0.100	0.1036		mg/Kg		104	70 - 130	4	35
Ethylbenzene	0.100	0.1083		mg/Kg		108	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2224		mg/Kg		111	70 - 130	4	35
o-Xylene	0.100	0.1101		mg/Kg		110	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-16296-7 MS

Matrix: Solid

Analysis Batch: 28415

Client Sample ID: SW-13 (0.5')

Prep Type: Total/NA

Prep Batch: 28399

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.101	0.09366		mg/Kg		93	70 - 130
Toluene	<0.00198	U	0.101	0.08808		mg/Kg		87	70 - 130
Ethylbenzene	<0.00198	U	0.101	0.09013		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	<0.00396	U	0.201	0.1837		mg/Kg		90	70 - 130
o-Xylene	<0.00198	U	0.101	0.09260		mg/Kg		91	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-16296-7 MSD

Matrix: Solid

Analysis Batch: 28415

Client Sample ID: SW-13 (0.5')

Prep Type: Total/NA

Prep Batch: 28399

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00198	U	0.100	0.08902		mg/Kg		89	70 - 130	5	35
Toluene	<0.00198	U	0.100	0.08284		mg/Kg		82	70 - 130	6	35
Ethylbenzene	<0.00198	U	0.100	0.08637		mg/Kg		86	70 - 130	4	35
m-Xylene & p-Xylene	<0.00396	U	0.200	0.1768		mg/Kg		87	70 - 130	4	35
o-Xylene	<0.00198	U	0.100	0.08971		mg/Kg		88	70 - 130	3	35

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-16296-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-16296-7 MSD

Matrix: Solid

Analysis Batch: 28415

Client Sample ID: SW-13 (0.5')

Prep Type: Total/NA

Prep Batch: 28399

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

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

Lab Sample ID: MB 880-28379/1-A

Matrix: Solid

Analysis Batch: 28375

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28379

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/25/22 10:11	06/26/22 00:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/25/22 10:11	06/26/22 00:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/25/22 10:11	06/26/22 00:16	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				06/25/22 10:11	06/26/22 00:16	1
o-Terphenyl	148	S1+	70 - 130				06/25/22 10:11	06/26/22 00:16	1

Lab Sample ID: LCS 880-28379/2-A

Matrix: Solid

Analysis Batch: 28375

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 28379

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	819.4		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)	1000	987.1		mg/Kg		99	70 - 130
Surrogate	LCS	LCS	Limits				
1-Chlorooctane	99		70 - 130				
o-Terphenyl	108		70 - 130				

Lab Sample ID: LCSD 880-28379/3-A

Matrix: Solid

Analysis Batch: 28375

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 28379

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	853.0		mg/Kg		85	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	1039		mg/Kg		104	70 - 130	5	20
Surrogate	LCSD	LCSD	Limits						
1-Chlorooctane	107		70 - 130						
o-Terphenyl	119		70 - 130						

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-16296-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-16296-1 MS

Matrix: Solid

Analysis Batch: 28375

Client Sample ID: CS-13 (2.5')

Prep Type: Total/NA

Prep Batch: 28379

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	1243		mg/Kg		122	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	1223		mg/Kg		121	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	134	S1+	70 - 130						
o-Terphenyl	130		70 - 130						

Lab Sample ID: 880-16296-1 MSD

Matrix: Solid

Analysis Batch: 28375

Client Sample ID: CS-13 (2.5')

Prep Type: Total/NA

Prep Batch: 28379

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	1089		mg/Kg		107	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	996	1401	F1	mg/Kg		139	70 - 130	14	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	149	S1+	70 - 130								
o-Terphenyl	143	S1+	70 - 130								

Lab Sample ID: MB 880-28577/1-A

Matrix: Solid

Analysis Batch: 28522

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28577

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		06/28/22 16:43	06/28/22 22:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/28/22 16:43	06/28/22 22:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/28/22 16:43	06/28/22 22:59	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				06/28/22 16:43	06/28/22 22:59	1
o-Terphenyl	116		70 - 130				06/28/22 16:43	06/28/22 22:59	1

Lab Sample ID: LCS 880-28577/2-A

Matrix: Solid

Analysis Batch: 28522

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 28577

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1006		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1017		mg/Kg		102	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-16296-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-28577/2-A

Matrix: Solid

Analysis Batch: 28522

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 28577

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	122		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: LCSD 880-28577/3-A

Matrix: Solid

Analysis Batch: 28522

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 28577

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1091		mg/Kg		109	70 - 130	8	20
Diesel Range Organics (Over C10-C28)			1000	1083		mg/Kg		108	70 - 130	6	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	131	S1+	70 - 130
o-Terphenyl	112		70 - 130

Lab Sample ID: 880-16321-A-2-C MS

Matrix: Solid

Analysis Batch: 28522

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 28577

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	996	1642	F1	mg/Kg		165	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	996	1290		mg/Kg		129	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	128		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: 880-16321-A-2-D MSD

Matrix: Solid

Analysis Batch: 28522

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 28577

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	996	1625	F1	mg/Kg		163	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	996	1283		mg/Kg		129	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	127		70 - 130
o-Terphenyl	102		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-16296-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-28388/1-A

Matrix: Solid

Analysis Batch: 28396

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			06/26/22 13:37	1

Lab Sample ID: LCS 880-28388/2-A

Matrix: Solid

Analysis Batch: 28396

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	257.2		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-28388/3-A

Matrix: Solid

Analysis Batch: 28396

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	258.3		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-16296-10 MS

Matrix: Solid

Analysis Batch: 28396

Client Sample ID: SW-18 (1.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	13.8		248	283.9		mg/Kg		109	90 - 110

Lab Sample ID: 880-16296-10 MSD

Matrix: Solid

Analysis Batch: 28396

Client Sample ID: SW-18 (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	13.8		248	284.6		mg/Kg		109	90 - 110	0	20

Lab Sample ID: MB 880-28389/1-A

Matrix: Solid

Analysis Batch: 28397

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			06/26/22 18:23	1

Lab Sample ID: LCS 880-28389/2-A

Matrix: Solid

Analysis Batch: 28397

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	260.4		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-28389/3-A

Matrix: Solid

Analysis Batch: 28397

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	263.3		mg/Kg		105	90 - 110	1	20

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QC Sample Results

Client: Carmona Resources
 Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-16296-1
 SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-16264-A-12-C MS

Matrix: Solid

Analysis Batch: 28397

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	59.9		248	319.5		mg/Kg		105	90 - 110		

Lab Sample ID: 880-16264-A-12-D MSD

Matrix: Solid

Analysis Batch: 28397

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	59.9		248	319.4		mg/Kg		105	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
 Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-16296-1
 SDG: Eddy Co, NM

GC VOA

Prep Batch: 28363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16296-1	CS-13 (2.5')	Total/NA	Solid	5035	
880-16296-2	CS-14 (2.5')	Total/NA	Solid	5035	
880-16296-3	SW-4 (2')	Total/NA	Solid	5035	
880-16296-4	SW-5 (3')	Total/NA	Solid	5035	
880-16296-5	SW-9 (0.5')	Total/NA	Solid	5035	
880-16296-6	SW-12 (2.5')	Total/NA	Solid	5035	
MB 880-28363/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-28363/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-28363/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-16241-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-16241-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 28398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16296-1	CS-13 (2.5')	Total/NA	Solid	8021B	28363
880-16296-2	CS-14 (2.5')	Total/NA	Solid	8021B	28363
880-16296-3	SW-4 (2')	Total/NA	Solid	8021B	28363
880-16296-4	SW-5 (3')	Total/NA	Solid	8021B	28363
880-16296-5	SW-9 (0.5')	Total/NA	Solid	8021B	28363
880-16296-6	SW-12 (2.5')	Total/NA	Solid	8021B	28363
MB 880-28363/5-A	Method Blank	Total/NA	Solid	8021B	28363
LCS 880-28363/1-A	Lab Control Sample	Total/NA	Solid	8021B	28363
LCSD 880-28363/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	28363
880-16241-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	28363
880-16241-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	28363

Prep Batch: 28399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16296-7	SW-13 (0.5')	Total/NA	Solid	5035	
880-16296-8	SW-14 (2')	Total/NA	Solid	5035	
880-16296-9	SW-16 (2')	Total/NA	Solid	5035	
880-16296-10	SW-18 (1.5')	Total/NA	Solid	5035	
880-16296-11	CS-17 (2')	Total/NA	Solid	5035	
880-16296-12	SW-22 (2.5')	Total/NA	Solid	5035	
880-16296-13	SW-23 (2.5')	Total/NA	Solid	5035	
880-16296-14	SW-24 (0.5')	Total/NA	Solid	5035	
MB 880-28399/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-28399/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-28399/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-16296-7 MS	SW-13 (0.5')	Total/NA	Solid	5035	
880-16296-7 MSD	SW-13 (0.5')	Total/NA	Solid	5035	

Analysis Batch: 28415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16296-7	SW-13 (0.5')	Total/NA	Solid	8021B	28399
880-16296-8	SW-14 (2')	Total/NA	Solid	8021B	28399
880-16296-9	SW-16 (2')	Total/NA	Solid	8021B	28399
880-16296-10	SW-18 (1.5')	Total/NA	Solid	8021B	28399
880-16296-11	CS-17 (2')	Total/NA	Solid	8021B	28399
880-16296-12	SW-22 (2.5')	Total/NA	Solid	8021B	28399
880-16296-13	SW-23 (2.5')	Total/NA	Solid	8021B	28399

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QC Association Summary

Client: Carmona Resources
 Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-16296-1
 SDG: Eddy Co, NM

GC VOA (Continued)

Analysis Batch: 28415 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16296-14	SW-24 (0.5')	Total/NA	Solid	8021B	28399
MB 880-28399/5-A	Method Blank	Total/NA	Solid	8021B	28399
LCS 880-28399/1-A	Lab Control Sample	Total/NA	Solid	8021B	28399
LCSD 880-28399/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	28399
880-16296-7 MS	SW-13 (0.5')	Total/NA	Solid	8021B	28399
880-16296-7 MSD	SW-13 (0.5')	Total/NA	Solid	8021B	28399

Analysis Batch: 28480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16296-1	CS-13 (2.5')	Total/NA	Solid	Total BTEX	
880-16296-2	CS-14 (2.5')	Total/NA	Solid	Total BTEX	
880-16296-3	SW-4 (2')	Total/NA	Solid	Total BTEX	
880-16296-4	SW-5 (3')	Total/NA	Solid	Total BTEX	
880-16296-5	SW-9 (0.5')	Total/NA	Solid	Total BTEX	
880-16296-6	SW-12 (2.5')	Total/NA	Solid	Total BTEX	
880-16296-7	SW-13 (0.5')	Total/NA	Solid	Total BTEX	
880-16296-8	SW-14 (2')	Total/NA	Solid	Total BTEX	
880-16296-9	SW-16 (2')	Total/NA	Solid	Total BTEX	
880-16296-10	SW-18 (1.5')	Total/NA	Solid	Total BTEX	
880-16296-11	CS-17 (2')	Total/NA	Solid	Total BTEX	
880-16296-12	SW-22 (2.5')	Total/NA	Solid	Total BTEX	
880-16296-13	SW-23 (2.5')	Total/NA	Solid	Total BTEX	
880-16296-14	SW-24 (0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 28375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16296-1	CS-13 (2.5')	Total/NA	Solid	8015B NM	28379
880-16296-2	CS-14 (2.5')	Total/NA	Solid	8015B NM	28379
880-16296-3	SW-4 (2')	Total/NA	Solid	8015B NM	28379
880-16296-4	SW-5 (3')	Total/NA	Solid	8015B NM	28379
880-16296-5	SW-9 (0.5')	Total/NA	Solid	8015B NM	28379
880-16296-6	SW-12 (2.5')	Total/NA	Solid	8015B NM	28379
880-16296-7	SW-13 (0.5')	Total/NA	Solid	8015B NM	28379
MB 880-28379/1-A	Method Blank	Total/NA	Solid	8015B NM	28379
LCS 880-28379/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	28379
LCSD 880-28379/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	28379
880-16296-1 MS	CS-13 (2.5')	Total/NA	Solid	8015B NM	28379
880-16296-1 MSD	CS-13 (2.5')	Total/NA	Solid	8015B NM	28379

Analysis Batch: 28377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16296-9	SW-16 (2')	Total/NA	Solid	8015B NM	28379
880-16296-10	SW-18 (1.5')	Total/NA	Solid	8015B NM	28379
880-16296-11	CS-17 (2')	Total/NA	Solid	8015B NM	28379
880-16296-12	SW-22 (2.5')	Total/NA	Solid	8015B NM	28379
880-16296-13	SW-23 (2.5')	Total/NA	Solid	8015B NM	28379
880-16296-14	SW-24 (0.5')	Total/NA	Solid	8015B NM	28379

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-16296-1
 SDG: Eddy Co, NM

GC Semi VOA

Prep Batch: 28379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16296-1	CS-13 (2.5')	Total/NA	Solid	8015NM Prep	
880-16296-2	CS-14 (2.5')	Total/NA	Solid	8015NM Prep	
880-16296-3	SW-4 (2')	Total/NA	Solid	8015NM Prep	
880-16296-4	SW-5 (3')	Total/NA	Solid	8015NM Prep	
880-16296-5	SW-9 (0.5')	Total/NA	Solid	8015NM Prep	
880-16296-6	SW-12 (2.5')	Total/NA	Solid	8015NM Prep	
880-16296-7	SW-13 (0.5')	Total/NA	Solid	8015NM Prep	
880-16296-9	SW-16 (2')	Total/NA	Solid	8015NM Prep	
880-16296-10	SW-18 (1.5')	Total/NA	Solid	8015NM Prep	
880-16296-11	CS-17 (2')	Total/NA	Solid	8015NM Prep	
880-16296-12	SW-22 (2.5')	Total/NA	Solid	8015NM Prep	
880-16296-13	SW-23 (2.5')	Total/NA	Solid	8015NM Prep	
880-16296-14	SW-24 (0.5')	Total/NA	Solid	8015NM Prep	
MB 880-28379/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-28379/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-28379/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-16296-1 MS	CS-13 (2.5')	Total/NA	Solid	8015NM Prep	
880-16296-1 MSD	CS-13 (2.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 28445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16296-1	CS-13 (2.5')	Total/NA	Solid	8015 NM	
880-16296-2	CS-14 (2.5')	Total/NA	Solid	8015 NM	
880-16296-3	SW-4 (2')	Total/NA	Solid	8015 NM	
880-16296-4	SW-5 (3')	Total/NA	Solid	8015 NM	
880-16296-5	SW-9 (0.5')	Total/NA	Solid	8015 NM	
880-16296-6	SW-12 (2.5')	Total/NA	Solid	8015 NM	
880-16296-7	SW-13 (0.5')	Total/NA	Solid	8015 NM	
880-16296-8	SW-14 (2')	Total/NA	Solid	8015 NM	
880-16296-9	SW-16 (2')	Total/NA	Solid	8015 NM	
880-16296-10	SW-18 (1.5')	Total/NA	Solid	8015 NM	
880-16296-11	CS-17 (2')	Total/NA	Solid	8015 NM	
880-16296-12	SW-22 (2.5')	Total/NA	Solid	8015 NM	
880-16296-13	SW-23 (2.5')	Total/NA	Solid	8015 NM	
880-16296-14	SW-24 (0.5')	Total/NA	Solid	8015 NM	

Analysis Batch: 28522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16296-8	SW-14 (2')	Total/NA	Solid	8015B NM	28577
MB 880-28577/1-A	Method Blank	Total/NA	Solid	8015B NM	28577
LCS 880-28577/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	28577
LCSD 880-28577/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	28577
880-16321-A-2-C MS	Matrix Spike	Total/NA	Solid	8015B NM	28577
880-16321-A-2-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	28577

Prep Batch: 28577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16296-8	SW-14 (2')	Total/NA	Solid	8015NM Prep	
MB 880-28577/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-28577/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-28577/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-16296-1
 SDG: Eddy Co, NM

GC Semi VOA (Continued)

Prep Batch: 28577 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16321-A-2-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-16321-A-2-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 28388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16296-10	SW-18 (1.5')	Soluble	Solid	DI Leach	
880-16296-11	CS-17 (2')	Soluble	Solid	DI Leach	
880-16296-12	SW-22 (2.5')	Soluble	Solid	DI Leach	
880-16296-13	SW-23 (2.5')	Soluble	Solid	DI Leach	
880-16296-14	SW-24 (0.5')	Soluble	Solid	DI Leach	
MB 880-28388/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-28388/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-28388/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-16296-10 MS	SW-18 (1.5')	Soluble	Solid	DI Leach	
880-16296-10 MSD	SW-18 (1.5')	Soluble	Solid	DI Leach	

Leach Batch: 28389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16296-1	CS-13 (2.5')	Soluble	Solid	DI Leach	
880-16296-2	CS-14 (2.5')	Soluble	Solid	DI Leach	
880-16296-3	SW-4 (2')	Soluble	Solid	DI Leach	
880-16296-4	SW-5 (3')	Soluble	Solid	DI Leach	
880-16296-5	SW-9 (0.5')	Soluble	Solid	DI Leach	
880-16296-6	SW-12 (2.5')	Soluble	Solid	DI Leach	
880-16296-7	SW-13 (0.5')	Soluble	Solid	DI Leach	
880-16296-8	SW-14 (2')	Soluble	Solid	DI Leach	
880-16296-9	SW-16 (2')	Soluble	Solid	DI Leach	
MB 880-28389/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-28389/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-28389/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-16264-A-12-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-16264-A-12-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 28396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16296-10	SW-18 (1.5')	Soluble	Solid	300.0	28388
880-16296-11	CS-17 (2')	Soluble	Solid	300.0	28388
880-16296-12	SW-22 (2.5')	Soluble	Solid	300.0	28388
880-16296-13	SW-23 (2.5')	Soluble	Solid	300.0	28388
880-16296-14	SW-24 (0.5')	Soluble	Solid	300.0	28388
MB 880-28388/1-A	Method Blank	Soluble	Solid	300.0	28388
LCS 880-28388/2-A	Lab Control Sample	Soluble	Solid	300.0	28388
LCSD 880-28388/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	28388
880-16296-10 MS	SW-18 (1.5')	Soluble	Solid	300.0	28388
880-16296-10 MSD	SW-18 (1.5')	Soluble	Solid	300.0	28388

Analysis Batch: 28397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16296-1	CS-13 (2.5')	Soluble	Solid	300.0	28389

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-16296-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Analysis Batch: 28397 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16296-2	CS-14 (2.5')	Soluble	Solid	300.0	28389
880-16296-3	SW-4 (2')	Soluble	Solid	300.0	28389
880-16296-4	SW-5 (3')	Soluble	Solid	300.0	28389
880-16296-5	SW-9 (0.5')	Soluble	Solid	300.0	28389
880-16296-6	SW-12 (2.5')	Soluble	Solid	300.0	28389
880-16296-7	SW-13 (0.5')	Soluble	Solid	300.0	28389
880-16296-8	SW-14 (2')	Soluble	Solid	300.0	28389
880-16296-9	SW-16 (2')	Soluble	Solid	300.0	28389
MB 880-28389/1-A	Method Blank	Soluble	Solid	300.0	28389
LCS 880-28389/2-A	Lab Control Sample	Soluble	Solid	300.0	28389
LCSD 880-28389/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	28389
880-16264-A-12-C MS	Matrix Spike	Soluble	Solid	300.0	28389
880-16264-A-12-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	28389

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-16296-1
SDG: Eddy Co, NM

Client Sample ID: CS-13 (2.5')

Date Collected: 06/24/22 00:00

Date Received: 06/24/22 15:31

Lab Sample ID: 880-16296-1

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			4.95 g	5 mL	28363	06/24/22 17:16	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28398	06/26/22 03:29	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28480	06/27/22 14:57	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28445	06/27/22 10:30	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	28379	06/25/22 10:11	AM	XEN MID
Total/NA	Analysis	8015B NM		1			28375	06/26/22 01:20	SM	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	28389	06/24/22 17:08	SMC	XEN MID
Soluble	Analysis	300.0		1			28397	06/26/22 21:27	SMC	XEN MID

Client Sample ID: CS-14 (2.5')

Date Collected: 06/24/22 00:00

Date Received: 06/24/22 15:31

Lab Sample ID: 880-16296-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	28363	06/24/22 17:16	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28398	06/26/22 03:49	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28480	06/27/22 14:57	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28445	06/27/22 10:30	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28379	06/25/22 10:11	AM	XEN MID
Total/NA	Analysis	8015B NM		1			28375	06/26/22 02:23	SM	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	28389	06/24/22 17:08	SMC	XEN MID
Soluble	Analysis	300.0		1			28397	06/26/22 21:37	SMC	XEN MID

Client Sample ID: SW-4 (2')

Date Collected: 06/24/22 00:00

Date Received: 06/24/22 15:31

Lab Sample ID: 880-16296-3

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			5.03 g	5 mL	28363	06/24/22 17:16	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28398	06/26/22 04:09	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28480	06/27/22 14:57	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28445	06/27/22 10:30	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28379	06/25/22 10:11	AM	XEN MID
Total/NA	Analysis	8015B NM		1			28375	06/26/22 02:44	SM	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	28389	06/24/22 17:08	SMC	XEN MID
Soluble	Analysis	300.0		1			28397	06/26/22 22:04	SMC	XEN MID

Client Sample ID: SW-5 (3')

Date Collected: 06/24/22 00:00

Date Received: 06/24/22 15:31

Lab Sample ID: 880-16296-4

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			4.97 g	5 mL	28363	06/24/22 17:16	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28398	06/26/22 04:30	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28480	06/27/22 14:57	SM	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-16296-1
SDG: Eddy Co, NM

Client Sample ID: SW-5 (3')

Lab Sample ID: 880-16296-4

Date Collected: 06/24/22 00:00

Matrix: Solid

Date Received: 06/24/22 15:31

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			28445	06/27/22 10:30	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28379	06/25/22 10:11	AM	XEN MID
Total/NA	Analysis	8015B NM		1			28375	06/26/22 03:05	SM	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	28389	06/24/22 17:08	SMC	XEN MID
Soluble	Analysis	300.0		1			28397	06/26/22 22:14	SMC	XEN MID

Client Sample ID: SW-9 (0.5')

Lab Sample ID: 880-16296-5

Date Collected: 06/24/22 00:00

Matrix: Solid

Date Received: 06/24/22 15:31

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	28363	06/24/22 17:16	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28398	06/26/22 04:50	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28480	06/27/22 14:57	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28445	06/27/22 10:30	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28379	06/25/22 10:11	AM	XEN MID
Total/NA	Analysis	8015B NM		1			28375	06/26/22 03:26	SM	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	28389	06/24/22 17:08	SMC	XEN MID
Soluble	Analysis	300.0		1			28397	06/26/22 22:23	SMC	XEN MID

Client Sample ID: SW-12 (2.5')

Lab Sample ID: 880-16296-6

Date Collected: 06/24/22 00:00

Matrix: Solid

Date Received: 06/24/22 15:31

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	28363	06/24/22 17:16	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28398	06/26/22 05:11	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28480	06/27/22 14:57	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28445	06/27/22 10:30	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	28379	06/25/22 10:11	AM	XEN MID
Total/NA	Analysis	8015B NM		1			28375	06/26/22 03:47	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	28389	06/24/22 17:08	SMC	XEN MID
Soluble	Analysis	300.0		1			28397	06/26/22 22:32	SMC	XEN MID

Client Sample ID: SW-13 (0.5')

Lab Sample ID: 880-16296-7

Date Collected: 06/24/22 00:00

Matrix: Solid

Date Received: 06/24/22 15:31

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	28399	06/25/22 18:16	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28415	06/27/22 11:01	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28480	06/27/22 14:57	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28445	06/27/22 10:30	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28379	06/25/22 10:11	AM	XEN MID
Total/NA	Analysis	8015B NM		1			28375	06/26/22 04:08	SM	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-16296-1
SDG: Eddy Co, NM

Client Sample ID: SW-13 (0.5')

Lab Sample ID: 880-16296-7

Date Collected: 06/24/22 00:00

Matrix: Solid

Date Received: 06/24/22 15:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	28389	06/24/22 17:08	SMC	XEN MID
Soluble	Analysis	300.0		1			28397	06/26/22 22:41	SMC	XEN MID

Client Sample ID: SW-14 (2')

Lab Sample ID: 880-16296-8

Date Collected: 06/24/22 00:00

Matrix: Solid

Date Received: 06/24/22 15:31

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	28399	06/25/22 18:16	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28415	06/27/22 11:21	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28480	06/27/22 14:57	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28445	06/27/22 10:30	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	28577	06/28/22 16:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28522	06/29/22 06:42	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	28389	06/24/22 17:08	SMC	XEN MID
Soluble	Analysis	300.0		1			28397	06/26/22 22:50	SMC	XEN MID

Client Sample ID: SW-16 (2')

Lab Sample ID: 880-16296-9

Date Collected: 06/24/22 00:00

Matrix: Solid

Date Received: 06/24/22 15:31

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	28399	06/25/22 18:16	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28415	06/27/22 11:42	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28480	06/27/22 14:57	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28445	06/27/22 10:30	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28379	06/25/22 10:11	AM	XEN MID
Total/NA	Analysis	8015B NM		1			28377	06/25/22 15:56	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	28389	06/24/22 17:08	SMC	XEN MID
Soluble	Analysis	300.0		1			28397	06/26/22 23:00	SMC	XEN MID

Client Sample ID: SW-18 (1.5')

Lab Sample ID: 880-16296-10

Date Collected: 06/24/22 00:00

Matrix: Solid

Date Received: 06/24/22 15:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	28399	06/25/22 18:16	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28415	06/27/22 12:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28480	06/27/22 14:57	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28445	06/27/22 10:30	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28379	06/25/22 10:11	AM	XEN MID
Total/NA	Analysis	8015B NM		1			28377	06/25/22 16:19	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	28388	06/24/22 17:00	SMC	XEN MID
Soluble	Analysis	300.0		1			28396	06/26/22 14:14	SMC	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-16296-1
SDG: Eddy Co, NM

Client Sample ID: CS-17 (2')

Lab Sample ID: 880-16296-11

Date Collected: 06/24/22 00:00

Matrix: Solid

Date Received: 06/24/22 15:31

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	28399	06/25/22 18:16	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28415	06/27/22 12:23	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28480	06/27/22 14:57	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28445	06/27/22 10:30	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	28379	06/25/22 10:11	AM	XEN MID
Total/NA	Analysis	8015B NM		1			28377	06/25/22 16:41	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28388	06/24/22 17:00	SMC	XEN MID
Soluble	Analysis	300.0		1			28396	06/26/22 14:41	SMC	XEN MID

Client Sample ID: SW-22 (2.5')

Lab Sample ID: 880-16296-12

Date Collected: 06/24/22 00:00

Matrix: Solid

Date Received: 06/24/22 15:31

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	28399	06/25/22 18:16	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28415	06/27/22 12:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28480	06/27/22 14:57	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28445	06/27/22 10:30	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	28379	06/25/22 10:11	AM	XEN MID
Total/NA	Analysis	8015B NM		1			28377	06/25/22 17:03	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	28388	06/24/22 17:00	SMC	XEN MID
Soluble	Analysis	300.0		1			28396	06/26/22 14:51	SMC	XEN MID

Client Sample ID: SW-23 (2.5')

Lab Sample ID: 880-16296-13

Date Collected: 06/24/22 00:00

Matrix: Solid

Date Received: 06/24/22 15:31

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	28399	06/25/22 18:16	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28415	06/27/22 13:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28480	06/27/22 14:57	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28445	06/27/22 10:30	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28379	06/25/22 10:11	AM	XEN MID
Total/NA	Analysis	8015B NM		1			28377	06/25/22 17:25	SM	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	28388	06/24/22 17:00	SMC	XEN MID
Soluble	Analysis	300.0		1			28396	06/26/22 15:00	SMC	XEN MID

Client Sample ID: SW-24 (0.5')

Lab Sample ID: 880-16296-14

Date Collected: 06/24/22 00:00

Matrix: Solid

Date Received: 06/24/22 15:31

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	28399	06/25/22 18:16	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28415	06/27/22 13:24	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28480	06/27/22 14:57	SM	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-16296-1
 SDG: Eddy Co, NM

Client Sample ID: SW-24 (0.5')

Lab Sample ID: 880-16296-14

Date Collected: 06/24/22 00:00

Matrix: Solid

Date Received: 06/24/22 15:31

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			28445	06/27/22 10:30	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	28379	06/25/22 10:11	AM	XEN MID
Total/NA	Analysis	8015B NM		1			28377	06/25/22 17:48	SM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	28388	06/24/22 17:00	SMC	XEN MID
Soluble	Analysis	300.0		1			28396	06/26/22 15:09	SMC	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-16296-1
SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

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

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

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

Eurofins Midland

Method Summary

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-16296-1
SDG: Eddy Co, NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.18.22/4.01.22)

Job ID: 880-16296-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-16296-1	CS-13 (2.5')	Solid	06/24/22 00:00	06/24/22 15:31
880-16296-2	CS-14 (2.5')	Solid	06/24/22 00:00	06/24/22 15:31
880-16296-3	SW-4 (2')	Solid	06/24/22 00:00	06/24/22 15:31
880-16296-4	SW-5 (3')	Solid	06/24/22 00:00	06/24/22 15:31
880-16296-5	SW-9 (0.5')	Solid	06/24/22 00:00	06/24/22 15:31
880-16296-6	SW-12 (2.5')	Solid	06/24/22 00:00	06/24/22 15:31
880-16296-7	SW-13 (0.5')	Solid	06/24/22 00:00	06/24/22 15:31
880-16296-8	SW-14 (2')	Solid	06/24/22 00:00	06/24/22 15:31
880-16296-9	SW-16 (2')	Solid	06/24/22 00:00	06/24/22 15:31
880-16296-10	SW-18 (1.5')	Solid	06/24/22 00:00	06/24/22 15:31
880-16296-11	CS-17 (2')	Solid	06/24/22 00:00	06/24/22 15:31
880-16296-12	SW-22 (2.5')	Solid	06/24/22 00:00	06/24/22 15:31
880-16296-13	SW-23 (2.5')	Solid	06/24/22 00:00	06/24/22 15:31
880-16296-14	SW-24 (0.5')	Solid	06/24/22 00:00	06/24/22 15:31

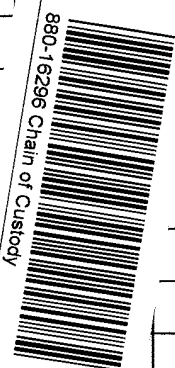
Work Order No: 102910

Page 1 of 2

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

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

Project Name	SRO State Com #45 (03 18 22/4 01 22)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST										Preservative Codes									
Project Number	1033/1053	Due Date	24 Hour												None NO									
Project Location	Eddy Co. NM	TAT starts the day received by the lab, if received by 4:30pm													Cool Cool									
Sampler's Name	AT														HCL HC									
PO #															H ₂ SO ₄ H ₂									
SAMPLE RECEIPT	Temp Blank	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>											H ₃ PO ₄ HP									
Received Intact	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID	-1.2													NaHSO ₄ NABIS								
Cooler Custody Seals	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor	S.O.													Na ₂ S ₂ O ₃ NaSO ₃								
Sample Custody Seals	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading	S.O.													Zn Acetate+NaOH Zn								
Total Containers		Corrected Temperature	S.O.													NaOH+Ascorbic Acid SAPC								
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B						TPH 8015M (GRO + DRO + MRO)						Chloride 300.0					
CS-13 (2.5')	6/24/2022		X		Comp	1	X	X	X	X														
CS-13 (2.5')	6/24/2022		X		Comp	1	X	X	X	X														
SW-4 (2')	6/24/2022		X		Comp	1	X	X	X	X														
SW-5 (3')	6/24/2022		X		Comp	1	X	X	X	X														
SW-9 (0.5')	6/24/2022		X		Comp	1	X	X	X	X														
SW-12 (2.5')	6/24/2022		X		Comp	1	X	X	X	X														
SW-13 (0.5')	6/24/2022		X		Comp	1	X	X	X	X														
SW-14 (2')	6/24/2022		X		Comp	1	X	X	X	X														
SW-16 (2')	6/24/2022		X		Comp	1	X	X	X	X														
SW-18 (1.5')	6/24/2022		X		Comp	1	X	X	X	X														



880-16296 Chain of Custody

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
<i>[Signature]</i>	6/24/22	<i>[Signature]</i>	15.31

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

Work Order No: 1102910

Page 2 of 2

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

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

Project Name	SRO State Com #45 (03 18 22/4 01 22)		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number	1033/1053		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		24 Hour	None NO	DI Water	H ₂ O											
Project Location	Eddy Co, NM		Due Date	TAT starts the day received by the lab if received by 4 30pm														Cool Cool	MeOH Me	
Sampler's Name	AT																	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													H ₃ PO ₄ HP	
Received Intact.	Yes No	N/A	Correction Factor	Yes No															NaHSO ₄ NABIS	
Cooler Custody Seals	Yes No	N/A	Temperature Reading	Yes No															Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals	Yes No	N/A	Corrected Temperature																Zn Acetate+NaOH Zn	
Total Containers																		NaOH+Ascorbic Acid SAPC		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
CS-17 (2)	6/24/2022		X		Comp	1	X	X	X	X	X	X	X	X	X	X				
SW-22 (2.5)	6/24/2022		X		Comp	1	X	X	X	X	X	X	X	X	X	X				
SW-23 (2.5)	6/24/2022		X		Comp	1	X	X	X	X	X	X	X	X	X	X				
SW-24 (0.5)	6/24/2022		X		Comp	1	X	X	X	X	X	X	X	X	X	X				

Loc: 880
16296

Relinquished by (Signature)		Date/Time	Received by (Signature)		Date/Time
		6/24/22 15 31			

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-16296-1

SDG Number: Eddy Co, NM

Login Number: 16296**List Number: 1****Creator: Rodriguez, Leticia****List Source: Eurofins Midland**

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



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-15960-1

Laboratory Sample Delivery Group: Eddy Co, NM
Client Project/Site: SRO State Com #45 (03.28.22)

For:

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

Attn: Conner Moehring

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

Authorized for release by:

6/17/2022 11:47:57 AM

Jessica Kramer, Project Manager
(432)704-5440

Jessica.Kramer@et.eurofinsus.com

LINKS

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results through



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

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

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.28.22)

Laboratory Job ID: 880-15960-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.28.22)

Job ID: 880-15960-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	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 #45 (03.28.22)

Job ID: 880-15960-1
SDG: Eddy Co, NM

Job ID: 880-15960-1

Laboratory: Eurofins Midland

Narrative	Job Narrative 880-15960-1
-----------	------------------------------

Receipt

The samples were received on 6/16/2022 8:31 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.3°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 880-27659 and analytical batch 880-27651 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample 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.

GC Semi VOA

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

HPLC/IC

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

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.28.22)

Job ID: 880-15960-1
SDG: Eddy Co, NM

Client Sample ID: SW-1 (3')

Lab Sample ID: 880-15960-1

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/16/22 08:55	06/17/22 00:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/22 08:55	06/17/22 00:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/22 08:55	06/17/22 00:54	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/16/22 08:55	06/17/22 00:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/16/22 08:55	06/17/22 00:54	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/16/22 08:55	06/17/22 00:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	06/16/22 08:55	06/17/22 00:54	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/16/22 08:55	06/17/22 00:54	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/17/22 09:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/16/22 08:34	06/16/22 11:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/16/22 08:34	06/16/22 11:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/16/22 08:34	06/16/22 11:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	06/16/22 08:34	06/16/22 11:29	1
o-Terphenyl	105		70 - 130	06/16/22 08:34	06/16/22 11:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.2		4.95		mg/Kg			06/17/22 01:22	1

Client Sample ID: SW-2 (3')

Lab Sample ID: 880-15960-2

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/16/22 08:55	06/17/22 01:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/16/22 08:55	06/17/22 01:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/16/22 08:55	06/17/22 01:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/16/22 08:55	06/17/22 01:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/16/22 08:55	06/17/22 01:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/16/22 08:55	06/17/22 01:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	06/16/22 08:55	06/17/22 01:15	1
1,4-Difluorobenzene (Surr)	95		70 - 130	06/16/22 08:55	06/17/22 01:15	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.28.22)

Job ID: 880-15960-1
SDG: Eddy Co, NM

Client Sample ID: SW-2 (3')

Lab Sample ID: 880-15960-2

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/17/22 09:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/16/22 08:34	06/16/22 12:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/16/22 08:34	06/16/22 12:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/16/22 08:34	06/16/22 12:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				06/16/22 08:34	06/16/22 12:34	1
o-Terphenyl	102		70 - 130				06/16/22 08:34	06/16/22 12:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27.0		5.00		mg/Kg			06/17/22 01:50	1

Client Sample ID: SW-3 (3')

Lab Sample ID: 880-15960-3

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/16/22 08:55	06/17/22 01:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/22 08:55	06/17/22 01:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/22 08:55	06/17/22 01:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/16/22 08:55	06/17/22 01:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/16/22 08:55	06/17/22 01:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/16/22 08:55	06/17/22 01:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				06/16/22 08:55	06/17/22 01:35	1
1,4-Difluorobenzene (Surr)	92		70 - 130				06/16/22 08:55	06/17/22 01:35	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/17/22 09:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/16/22 08:34	06/16/22 12:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/22 08:34	06/16/22 12:56	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.28.22)

Job ID: 880-15960-1
SDG: Eddy Co, NM

Client Sample ID: SW-3 (3')

Lab Sample ID: 880-15960-3

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/22 08:34	06/16/22 12:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				06/16/22 08:34	06/16/22 12:56	1
o-Terphenyl	102		70 - 130				06/16/22 08:34	06/16/22 12:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.1		4.99		mg/Kg			06/17/22 01:59	1

Client Sample ID: SW-4 (3')

Lab Sample ID: 880-15960-4

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/16/22 08:55	06/17/22 01:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/16/22 08:55	06/17/22 01:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/16/22 08:55	06/17/22 01:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/16/22 08:55	06/17/22 01:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/16/22 08:55	06/17/22 01:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/16/22 08:55	06/17/22 01:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				06/16/22 08:55	06/17/22 01:56	1
1,4-Difluorobenzene (Surr)	95		70 - 130				06/16/22 08:55	06/17/22 01:56	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/17/22 09:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	87.6		49.9		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/16/22 08:34	06/16/22 13:18	1
Diesel Range Organics (Over C10-C28)	87.6		49.9		mg/Kg		06/16/22 08:34	06/16/22 13:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/16/22 08:34	06/16/22 13:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				06/16/22 08:34	06/16/22 13:18	1
o-Terphenyl	101		70 - 130				06/16/22 08:34	06/16/22 13:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.5		5.01		mg/Kg			06/17/22 02:08	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.28.22)

Job ID: 880-15960-1
SDG: Eddy Co, NM

Client Sample ID: SW-5 (3')

Lab Sample ID: 880-15960-5

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/16/22 08:55	06/17/22 03:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/22 08:55	06/17/22 03:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/22 08:55	06/17/22 03:46	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/16/22 08:55	06/17/22 03:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/16/22 08:55	06/17/22 03:46	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/16/22 08:55	06/17/22 03:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	06/16/22 08:55	06/17/22 03:46	1
1,4-Difluorobenzene (Surr)	91		70 - 130	06/16/22 08:55	06/17/22 03:46	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/17/22 09:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/16/22 08:34	06/16/22 13:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/22 08:34	06/16/22 13:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/22 08:34	06/16/22 13:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	06/16/22 08:34	06/16/22 13:39	1
o-Terphenyl	100		70 - 130	06/16/22 08:34	06/16/22 13:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.7		4.97		mg/Kg			06/17/22 02:18	1

Client Sample ID: CS-1 (3')

Lab Sample ID: 880-15960-6

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/16/22 08:55	06/17/22 04:06	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/16/22 08:55	06/17/22 04:06	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/16/22 08:55	06/17/22 04:06	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/16/22 08:55	06/17/22 04:06	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/16/22 08:55	06/17/22 04:06	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/16/22 08:55	06/17/22 04:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	06/16/22 08:55	06/17/22 04:06	1
1,4-Difluorobenzene (Surr)	93		70 - 130	06/16/22 08:55	06/17/22 04:06	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.28.22)

Job ID: 880-15960-1
SDG: Eddy Co, NM

Client Sample ID: CS-1 (3')

Lab Sample ID: 880-15960-6

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/17/22 09:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/16/22 08:34	06/16/22 14:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/22 08:34	06/16/22 14:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/22 08:34	06/16/22 14:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				06/16/22 08:34	06/16/22 14:01	1
o-Terphenyl	97		70 - 130				06/16/22 08:34	06/16/22 14:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	172		4.99		mg/Kg			06/17/22 02:45	1

Client Sample ID: CS-2 (3')

Lab Sample ID: 880-15960-7

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/16/22 08:55	06/17/22 04:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/22 08:55	06/17/22 04:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/22 08:55	06/17/22 04:27	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/16/22 08:55	06/17/22 04:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/16/22 08:55	06/17/22 04:27	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/16/22 08:55	06/17/22 04:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				06/16/22 08:55	06/17/22 04:27	1
1,4-Difluorobenzene (Surr)	102		70 - 130				06/16/22 08:55	06/17/22 04:27	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/17/22 09:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/16/22 08:34	06/16/22 14:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/22 08:34	06/16/22 14:23	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.28.22)

Job ID: 880-15960-1
SDG: Eddy Co, NM

Client Sample ID: CS-2 (3')

Lab Sample ID: 880-15960-7

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/22 08:34	06/16/22 14:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				06/16/22 08:34	06/16/22 14:23	1
o-Terphenyl	104		70 - 130				06/16/22 08:34	06/16/22 14:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	164		5.00		mg/Kg			06/17/22 02:54	1

Client Sample ID: CS-3 (3')

Lab Sample ID: 880-15960-8

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/16/22 08:55	06/17/22 04:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/16/22 08:55	06/17/22 04:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/16/22 08:55	06/17/22 04:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/16/22 08:55	06/17/22 04:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/16/22 08:55	06/17/22 04:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/16/22 08:55	06/17/22 04:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				06/16/22 08:55	06/17/22 04:47	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/16/22 08:55	06/17/22 04:47	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/17/22 09:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/16/22 08:34	06/16/22 14:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/22 08:34	06/16/22 14:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/22 08:34	06/16/22 14:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130				06/16/22 08:34	06/16/22 14:45	1
o-Terphenyl	81		70 - 130				06/16/22 08:34	06/16/22 14:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	239		4.98		mg/Kg			06/17/22 03:04	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.28.22)

Job ID: 880-15960-1
SDG: Eddy Co, NM

Client Sample ID: CS-4 (3')

Lab Sample ID: 880-15960-9

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/16/22 08:55	06/17/22 05:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/16/22 08:55	06/17/22 05:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/16/22 08:55	06/17/22 05:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/16/22 08:55	06/17/22 05:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/16/22 08:55	06/17/22 05:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/16/22 08:55	06/17/22 05:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	06/16/22 08:55	06/17/22 05:08	1
1,4-Difluorobenzene (Surr)	96		70 - 130	06/16/22 08:55	06/17/22 05:08	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/17/22 09:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/16/22 08:34	06/16/22 15:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/16/22 08:34	06/16/22 15:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/16/22 08:34	06/16/22 15:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	06/16/22 08:34	06/16/22 15:07	1
o-Terphenyl	100		70 - 130	06/16/22 08:34	06/16/22 15:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.7		4.95		mg/Kg			06/17/22 03:13	1

Client Sample ID: CS-5 (3')

Lab Sample ID: 880-15960-10

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/16/22 08:55	06/17/22 05:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/16/22 08:55	06/17/22 05:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/16/22 08:55	06/17/22 05:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/16/22 08:55	06/17/22 05:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/16/22 08:55	06/17/22 05:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/16/22 08:55	06/17/22 05:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	06/16/22 08:55	06/17/22 05:28	1
1,4-Difluorobenzene (Surr)	95		70 - 130	06/16/22 08:55	06/17/22 05:28	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.28.22)

Job ID: 880-15960-1
SDG: Eddy Co, NM

Client Sample ID: CS-5 (3')

Lab Sample ID: 880-15960-10

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/17/22 09:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/16/22 08:35	06/16/22 13:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/16/22 08:35	06/16/22 13:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/16/22 08:35	06/16/22 13:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				06/16/22 08:35	06/16/22 13:39	1
o-Terphenyl	92		70 - 130				06/16/22 08:35	06/16/22 13:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	101		4.97		mg/Kg			06/17/22 03:22	1

Client Sample ID: CS-6 (3')

Lab Sample ID: 880-15960-11

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/16/22 08:55	06/17/22 05:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/22 08:55	06/17/22 05:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/22 08:55	06/17/22 05:49	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/16/22 08:55	06/17/22 05:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/16/22 08:55	06/17/22 05:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/16/22 08:55	06/17/22 05:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				06/16/22 08:55	06/17/22 05:49	1
1,4-Difluorobenzene (Surr)	97		70 - 130				06/16/22 08:55	06/17/22 05:49	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/17/22 09:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/16/22 08:35	06/16/22 14:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/22 08:35	06/16/22 14:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.28.22)

Job ID: 880-15960-1
SDG: Eddy Co, NM

Client Sample ID: CS-6 (3')

Lab Sample ID: 880-15960-11

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/22 08:35	06/16/22 14:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				06/16/22 08:35	06/16/22 14:01	1
o-Terphenyl	95		70 - 130				06/16/22 08:35	06/16/22 14:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	106		5.00		mg/Kg			06/17/22 03:31	1

Client Sample ID: CS-7 (3')

Lab Sample ID: 880-15960-12

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/16/22 08:55	06/17/22 06:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/16/22 08:55	06/17/22 06:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/16/22 08:55	06/17/22 06:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/16/22 08:55	06/17/22 06:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/16/22 08:55	06/17/22 06:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/16/22 08:55	06/17/22 06:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				06/16/22 08:55	06/17/22 06:09	1
1,4-Difluorobenzene (Surr)	98		70 - 130				06/16/22 08:55	06/17/22 06:09	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/17/22 09:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/16/22 08:35	06/16/22 14:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/16/22 08:35	06/16/22 14:23	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/16/22 08:35	06/16/22 14:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				06/16/22 08:35	06/16/22 14:23	1
o-Terphenyl	98		70 - 130				06/16/22 08:35	06/16/22 14:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.6		4.99		mg/Kg			06/17/22 03:59	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.28.22)

Job ID: 880-15960-1
SDG: Eddy Co, NM

Client Sample ID: CS-8 (3')

Lab Sample ID: 880-15960-13

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/16/22 08:55	06/17/22 06:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/22 08:55	06/17/22 06:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/22 08:55	06/17/22 06:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/16/22 08:55	06/17/22 06:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/16/22 08:55	06/17/22 06:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/16/22 08:55	06/17/22 06:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	06/16/22 08:55	06/17/22 06:29	1
1,4-Difluorobenzene (Surr)	95		70 - 130	06/16/22 08:55	06/17/22 06:29	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/17/22 09:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/16/22 08:35	06/16/22 14:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/22 08:35	06/16/22 14:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/22 08:35	06/16/22 14:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	06/16/22 08:35	06/16/22 14:45	1
o-Terphenyl	102		70 - 130	06/16/22 08:35	06/16/22 14:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	106		4.98		mg/Kg			06/17/22 04:08	1

Client Sample ID: CS-9 (3')

Lab Sample ID: 880-15960-14

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/16/22 08:55	06/17/22 06:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/22 08:55	06/17/22 06:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/22 08:55	06/17/22 06:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/16/22 08:55	06/17/22 06:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/16/22 08:55	06/17/22 06:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/16/22 08:55	06/17/22 06:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	06/16/22 08:55	06/17/22 06:50	1
1,4-Difluorobenzene (Surr)	93		70 - 130	06/16/22 08:55	06/17/22 06:50	1

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Client Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.28.22)

Job ID: 880-15960-1
SDG: Eddy Co, NM

Client Sample ID: CS-9 (3')

Lab Sample ID: 880-15960-14

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			06/17/22 09:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/16/22 08:35	06/16/22 15:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/22 08:35	06/16/22 15:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/22 08:35	06/16/22 15:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				06/16/22 08:35	06/16/22 15:07	1
o-Terphenyl	90		70 - 130				06/16/22 08:35	06/16/22 15:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45.0		5.00		mg/Kg			06/17/22 04:36	1

Surrogate Summary

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.28.22)

Job ID: 880-15960-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-15959-A-1-A MS	Matrix Spike	101	99
880-15959-A-1-B MSD	Matrix Spike Duplicate	96	93
880-15960-1	SW-1 (3')	102	97
880-15960-2	SW-2 (3')	105	95
880-15960-3	SW-3 (3')	103	92
880-15960-4	SW-4 (3')	102	95
880-15960-5	SW-5 (3')	104	91
880-15960-6	CS-1 (3')	101	93
880-15960-7	CS-2 (3')	101	102
880-15960-8	CS-3 (3')	101	97
880-15960-9	CS-4 (3')	103	96
880-15960-10	CS-5 (3')	109	95
880-15960-11	CS-6 (3')	101	97
880-15960-12	CS-7 (3')	103	98
880-15960-13	CS-8 (3')	101	95
880-15960-14	CS-9 (3')	96	93
LCS 880-27659/1-A	Lab Control Sample	100	103
LCSD 880-27659/2-A	Lab Control Sample Dup	102	97
MB 880-27627/5-A	Method Blank	94	96
MB 880-27659/5-A	Method Blank	95	97
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)
880-15959-A-1-H MS	Matrix Spike	97	91
880-15959-A-1-I MSD	Matrix Spike Duplicate	95	91
880-15960-1	SW-1 (3')	98	105
880-15960-1 MS	SW-1 (3')	86	85
880-15960-1 MSD	SW-1 (3')	87	85
880-15960-2	SW-2 (3')	94	102
880-15960-3	SW-3 (3')	97	102
880-15960-4	SW-4 (3')	92	101
880-15960-5	SW-5 (3')	92	100
880-15960-6	CS-1 (3')	92	97
880-15960-7	CS-2 (3')	99	104
880-15960-8	CS-3 (3')	75	81
880-15960-9	CS-4 (3')	94	100
880-15960-10	CS-5 (3')	87	92
880-15960-11	CS-6 (3')	89	95
880-15960-12	CS-7 (3')	92	98
880-15960-13	CS-8 (3')	96	102
880-15960-14	CS-9 (3')	88	90
LCS 880-27657/2-A	Lab Control Sample	97	106

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-15960-1

Project/Site: SRO State Com #45 (03.28.22)

SDG: Eddy Co, NM

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
LCS 880-27658/2-A	Lab Control Sample	115	120
LCSD 880-27657/3-A	Lab Control Sample Dup	91	100
LCSD 880-27658/3-A	Lab Control Sample Dup	122	124
MB 880-27657/1-A	Method Blank	94	105
MB 880-27658/1-A	Method Blank	110	122

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.28.22)

Job ID: 880-15960-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-27627/5-A

Matrix: Solid

Analysis Batch: 27651

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27627

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/15/22 15:37	06/16/22 10:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/15/22 15:37	06/16/22 10:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/15/22 15:37	06/16/22 10:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/15/22 15:37	06/16/22 10:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/15/22 15:37	06/16/22 10:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/15/22 15:37	06/16/22 10:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	06/15/22 15:37	06/16/22 10:45	1
1,4-Difluorobenzene (Surr)	96		70 - 130	06/15/22 15:37	06/16/22 10:45	1

Lab Sample ID: MB 880-27659/5-A

Matrix: Solid

Analysis Batch: 27651

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27659

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/16/22 08:55	06/16/22 22:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/22 08:55	06/16/22 22:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/22 08:55	06/16/22 22:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/16/22 08:55	06/16/22 22:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/16/22 08:55	06/16/22 22:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/16/22 08:55	06/16/22 22:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	06/16/22 08:55	06/16/22 22:23	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/16/22 08:55	06/16/22 22:23	1

Lab Sample ID: LCS 880-27659/1-A

Matrix: Solid

Analysis Batch: 27651

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27659

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09753		mg/Kg		98	70 - 130
Toluene	0.100	0.09009		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.09260		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1814		mg/Kg		91	70 - 130
o-Xylene	0.100	0.1011		mg/Kg		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-27659/2-A

Matrix: Solid

Analysis Batch: 27651

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27659

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08955		mg/Kg		90	70 - 130	9	35

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.28.22)

Job ID: 880-15960-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-27659/2-A

Matrix: Solid

Analysis Batch: 27651

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27659

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.09173		mg/Kg		92	70 - 130	2	35
Ethylbenzene	0.100	0.09588		mg/Kg		96	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1888		mg/Kg		94	70 - 130	4	35
o-Xylene	0.100	0.1046		mg/Kg		105	70 - 130	3	35

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

Lab Sample ID: 880-15959-A-1-A MS

Matrix: Solid

Analysis Batch: 27651

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 27659

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0165	F1	0.100	0.06354	F1	mg/Kg		47	70 - 130
Toluene	0.0706	F1	0.100	0.08936	F1	mg/Kg		19	70 - 130
Ethylbenzene	0.00991	F1	0.100	0.06254	F1	mg/Kg		53	70 - 130
m-Xylene & p-Xylene	0.0416	F1	0.200	0.1390	F1	mg/Kg		49	70 - 130
o-Xylene	0.0207	F1	0.100	0.07701	F1	mg/Kg		56	70 - 130

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

Lab Sample ID: 880-15959-A-1-B MSD

Matrix: Solid

Analysis Batch: 27651

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 27659

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.0165	F1	0.0998	0.06638	F1	mg/Kg		50	70 - 130	4	35
Toluene	0.0706	F1	0.0998	0.09462	F1	mg/Kg		24	70 - 130	6	35
Ethylbenzene	0.00991	F1	0.0998	0.06579	F1	mg/Kg		56	70 - 130	5	35
m-Xylene & p-Xylene	0.0416	F1	0.200	0.1458	F1	mg/Kg		52	70 - 130	5	35
o-Xylene	0.0207	F1	0.0998	0.07982	F1	mg/Kg		59	70 - 130	4	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

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

Lab Sample ID: MB 880-27657/1-A

Matrix: Solid

Analysis Batch: 27643

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27657

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		06/16/22 08:34	06/16/22 10:24	1

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.28.22)

Job ID: 880-15960-1
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-27657/1-A

Matrix: Solid

Analysis Batch: 27643

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27657

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/22 08:34	06/16/22 10:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/22 08:34	06/16/22 10:24	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				06/16/22 08:34	06/16/22 10:24	1
o-Terphenyl	105		70 - 130				06/16/22 08:34	06/16/22 10:24	1

Lab Sample ID: LCS 880-27657/2-A

Matrix: Solid

Analysis Batch: 27643

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27657

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	915.4		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1057		mg/Kg		106	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	97		70 - 130				
o-Terphenyl	106		70 - 130				

Lab Sample ID: LCSD 880-27657/3-A

Matrix: Solid

Analysis Batch: 27643

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27657

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	872.3		mg/Kg		87	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	1019		mg/Kg		102	70 - 130	4	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	91		70 - 130						
o-Terphenyl	100		70 - 130						

Lab Sample ID: 880-15960-1 MS

Matrix: Solid

Analysis Batch: 27643

Client Sample ID: SW-1 (3')

Prep Type: Total/NA

Prep Batch: 27657

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	927.2		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	869.3		mg/Kg		83	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	86		70 - 130						
o-Terphenyl	85		70 - 130						

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.28.22)

Job ID: 880-15960-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-15960-1 MSD

Matrix: Solid

Analysis Batch: 27643

Client Sample ID: SW-1 (3')

Prep Type: Total/NA

Prep Batch: 27657

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	937.1		mg/Kg		92	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	875.9		mg/Kg		83	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	87		70 - 130								
o-Terphenyl	85		70 - 130								

Lab Sample ID: MB 880-27658/1-A

Matrix: Solid

Analysis Batch: 27645

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27658

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		06/16/22 08:35	06/16/22 10:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/22 08:35	06/16/22 10:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/22 08:35	06/16/22 10:24	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				06/16/22 08:35	06/16/22 10:24	1
o-Terphenyl	122		70 - 130				06/16/22 08:35	06/16/22 10:24	1

Lab Sample ID: LCS 880-27658/2-A

Matrix: Solid

Analysis Batch: 27645

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27658

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	898.2		mg/Kg		90	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1050		mg/Kg		105	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	115		70 - 130						
o-Terphenyl	120		70 - 130						

Lab Sample ID: LCSD 880-27658/3-A

Matrix: Solid

Analysis Batch: 27645

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27658

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	916.3		mg/Kg		92	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1050		mg/Kg		105	70 - 130	0	20

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.28.22)

Job ID: 880-15960-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-27658/3-A

Matrix: Solid

Analysis Batch: 27645

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27658

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	122		70 - 130
o-Terphenyl	124		70 - 130

Lab Sample ID: 880-15959-A-1-H MS

Matrix: Solid

Analysis Batch: 27645

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 27658

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	998.2		mg/Kg		98	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	998	903.7		mg/Kg		89	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	97		70 - 130							
o-Terphenyl	91		70 - 130							

Lab Sample ID: 880-15959-A-1-I MSD

Matrix: Solid

Analysis Batch: 27645

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 27658

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	923.0		mg/Kg		90	70 - 130	8	20	
Diesel Range Organics (Over C10-C28)	<49.9	U	999	892.2		mg/Kg		87	70 - 130	1	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	95		70 - 130									
o-Terphenyl	91		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-27664/1-A

Matrix: Solid

Analysis Batch: 27756

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			06/17/22 00:55	1	

Lab Sample ID: LCS 880-27664/2-A

Matrix: Solid

Analysis Batch: 27756

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS						%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Chloride	250	259.1		mg/Kg		104	90 - 110			

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QC Sample Results

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.28.22)

Job ID: 880-15960-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-27664/3-A

Matrix: Solid

Analysis Batch: 27756

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	258.6		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 880-15960-1 MS

Matrix: Solid

Analysis Batch: 27756

Client Sample ID: SW-1 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	25.2		248	267.6		mg/Kg		98	90 - 110		

Lab Sample ID: 880-15960-1 MSD

Matrix: Solid

Analysis Batch: 27756

Client Sample ID: SW-1 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	25.2		248	267.8		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-15960-11 MS

Matrix: Solid

Analysis Batch: 27756

Client Sample ID: CS-6 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	106		250	350.1		mg/Kg		98	90 - 110		

Lab Sample ID: 880-15960-11 MSD

Matrix: Solid

Analysis Batch: 27756

Client Sample ID: CS-6 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	106		250	350.3		mg/Kg		98	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.28.22)

Job ID: 880-15960-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 27627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-27627/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 27651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15960-1	SW-1 (3')	Total/NA	Solid	8021B	27659
880-15960-2	SW-2 (3')	Total/NA	Solid	8021B	27659
880-15960-3	SW-3 (3')	Total/NA	Solid	8021B	27659
880-15960-4	SW-4 (3')	Total/NA	Solid	8021B	27659
880-15960-5	SW-5 (3')	Total/NA	Solid	8021B	27659
880-15960-6	CS-1 (3')	Total/NA	Solid	8021B	27659
880-15960-7	CS-2 (3')	Total/NA	Solid	8021B	27659
880-15960-8	CS-3 (3')	Total/NA	Solid	8021B	27659
880-15960-9	CS-4 (3')	Total/NA	Solid	8021B	27659
880-15960-10	CS-5 (3')	Total/NA	Solid	8021B	27659
880-15960-11	CS-6 (3')	Total/NA	Solid	8021B	27659
880-15960-12	CS-7 (3')	Total/NA	Solid	8021B	27659
880-15960-13	CS-8 (3')	Total/NA	Solid	8021B	27659
880-15960-14	CS-9 (3')	Total/NA	Solid	8021B	27659
MB 880-27627/5-A	Method Blank	Total/NA	Solid	8021B	27627
MB 880-27659/5-A	Method Blank	Total/NA	Solid	8021B	27659
LCS 880-27659/1-A	Lab Control Sample	Total/NA	Solid	8021B	27659
LCSD 880-27659/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	27659
880-15959-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	27659
880-15959-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	27659

Prep Batch: 27659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15960-1	SW-1 (3')	Total/NA	Solid	5035	
880-15960-2	SW-2 (3')	Total/NA	Solid	5035	
880-15960-3	SW-3 (3')	Total/NA	Solid	5035	
880-15960-4	SW-4 (3')	Total/NA	Solid	5035	
880-15960-5	SW-5 (3')	Total/NA	Solid	5035	
880-15960-6	CS-1 (3')	Total/NA	Solid	5035	
880-15960-7	CS-2 (3')	Total/NA	Solid	5035	
880-15960-8	CS-3 (3')	Total/NA	Solid	5035	
880-15960-9	CS-4 (3')	Total/NA	Solid	5035	
880-15960-10	CS-5 (3')	Total/NA	Solid	5035	
880-15960-11	CS-6 (3')	Total/NA	Solid	5035	
880-15960-12	CS-7 (3')	Total/NA	Solid	5035	
880-15960-13	CS-8 (3')	Total/NA	Solid	5035	
880-15960-14	CS-9 (3')	Total/NA	Solid	5035	
MB 880-27659/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-27659/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-27659/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-15959-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-15959-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 27770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15960-1	SW-1 (3')	Total/NA	Solid	Total BTEX	
880-15960-2	SW-2 (3')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
 Project/Site: SRO State Com #45 (03.28.22)

Job ID: 880-15960-1
 SDG: Eddy Co, NM

GC VOA (Continued)

Analysis Batch: 27770 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15960-3	SW-3 (3')	Total/NA	Solid	Total BTEX	
880-15960-4	SW-4 (3')	Total/NA	Solid	Total BTEX	
880-15960-5	SW-5 (3')	Total/NA	Solid	Total BTEX	
880-15960-6	CS-1 (3')	Total/NA	Solid	Total BTEX	
880-15960-7	CS-2 (3')	Total/NA	Solid	Total BTEX	
880-15960-8	CS-3 (3')	Total/NA	Solid	Total BTEX	
880-15960-9	CS-4 (3')	Total/NA	Solid	Total BTEX	
880-15960-10	CS-5 (3')	Total/NA	Solid	Total BTEX	
880-15960-11	CS-6 (3')	Total/NA	Solid	Total BTEX	
880-15960-12	CS-7 (3')	Total/NA	Solid	Total BTEX	
880-15960-13	CS-8 (3')	Total/NA	Solid	Total BTEX	
880-15960-14	CS-9 (3')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 27643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15960-1	SW-1 (3')	Total/NA	Solid	8015B NM	27657
880-15960-2	SW-2 (3')	Total/NA	Solid	8015B NM	27657
880-15960-3	SW-3 (3')	Total/NA	Solid	8015B NM	27657
880-15960-4	SW-4 (3')	Total/NA	Solid	8015B NM	27657
880-15960-5	SW-5 (3')	Total/NA	Solid	8015B NM	27657
880-15960-6	CS-1 (3')	Total/NA	Solid	8015B NM	27657
880-15960-7	CS-2 (3')	Total/NA	Solid	8015B NM	27657
880-15960-8	CS-3 (3')	Total/NA	Solid	8015B NM	27657
880-15960-9	CS-4 (3')	Total/NA	Solid	8015B NM	27657
MB 880-27657/1-A	Method Blank	Total/NA	Solid	8015B NM	27657
LCS 880-27657/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	27657
LCSD 880-27657/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	27657
880-15960-1 MS	SW-1 (3')	Total/NA	Solid	8015B NM	27657
880-15960-1 MSD	SW-1 (3')	Total/NA	Solid	8015B NM	27657

Analysis Batch: 27645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15960-10	CS-5 (3')	Total/NA	Solid	8015B NM	27658
880-15960-11	CS-6 (3')	Total/NA	Solid	8015B NM	27658
880-15960-12	CS-7 (3')	Total/NA	Solid	8015B NM	27658
880-15960-13	CS-8 (3')	Total/NA	Solid	8015B NM	27658
880-15960-14	CS-9 (3')	Total/NA	Solid	8015B NM	27658
MB 880-27658/1-A	Method Blank	Total/NA	Solid	8015B NM	27658
LCS 880-27658/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	27658
LCSD 880-27658/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	27658
880-15959-A-1-H MS	Matrix Spike	Total/NA	Solid	8015B NM	27658
880-15959-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	27658

Prep Batch: 27657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15960-1	SW-1 (3')	Total/NA	Solid	8015NM Prep	
880-15960-2	SW-2 (3')	Total/NA	Solid	8015NM Prep	
880-15960-3	SW-3 (3')	Total/NA	Solid	8015NM Prep	
880-15960-4	SW-4 (3')	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.28.22)

Job ID: 880-15960-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Prep Batch: 27657 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15960-5	SW-5 (3')	Total/NA	Solid	8015NM Prep	
880-15960-6	CS-1 (3')	Total/NA	Solid	8015NM Prep	
880-15960-7	CS-2 (3')	Total/NA	Solid	8015NM Prep	
880-15960-8	CS-3 (3')	Total/NA	Solid	8015NM Prep	
880-15960-9	CS-4 (3')	Total/NA	Solid	8015NM Prep	
MB 880-27657/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-27657/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-27657/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-15960-1 MS	SW-1 (3')	Total/NA	Solid	8015NM Prep	
880-15960-1 MSD	SW-1 (3')	Total/NA	Solid	8015NM Prep	

Prep Batch: 27658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15960-10	CS-5 (3')	Total/NA	Solid	8015NM Prep	
880-15960-11	CS-6 (3')	Total/NA	Solid	8015NM Prep	
880-15960-12	CS-7 (3')	Total/NA	Solid	8015NM Prep	
880-15960-13	CS-8 (3')	Total/NA	Solid	8015NM Prep	
880-15960-14	CS-9 (3')	Total/NA	Solid	8015NM Prep	
MB 880-27658/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-27658/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-27658/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-15959-A-1-H MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-15959-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 27751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15960-1	SW-1 (3')	Total/NA	Solid	8015 NM	
880-15960-2	SW-2 (3')	Total/NA	Solid	8015 NM	
880-15960-3	SW-3 (3')	Total/NA	Solid	8015 NM	
880-15960-4	SW-4 (3')	Total/NA	Solid	8015 NM	
880-15960-5	SW-5 (3')	Total/NA	Solid	8015 NM	
880-15960-6	CS-1 (3')	Total/NA	Solid	8015 NM	
880-15960-7	CS-2 (3')	Total/NA	Solid	8015 NM	
880-15960-8	CS-3 (3')	Total/NA	Solid	8015 NM	
880-15960-9	CS-4 (3')	Total/NA	Solid	8015 NM	
880-15960-10	CS-5 (3')	Total/NA	Solid	8015 NM	
880-15960-11	CS-6 (3')	Total/NA	Solid	8015 NM	
880-15960-12	CS-7 (3')	Total/NA	Solid	8015 NM	
880-15960-13	CS-8 (3')	Total/NA	Solid	8015 NM	
880-15960-14	CS-9 (3')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 27664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15960-1	SW-1 (3')	Soluble	Solid	DI Leach	
880-15960-2	SW-2 (3')	Soluble	Solid	DI Leach	
880-15960-3	SW-3 (3')	Soluble	Solid	DI Leach	
880-15960-4	SW-4 (3')	Soluble	Solid	DI Leach	
880-15960-5	SW-5 (3')	Soluble	Solid	DI Leach	
880-15960-6	CS-1 (3')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: SRO State Com #45 (03.28.22)

Job ID: 880-15960-1
 SDG: Eddy Co, NM

HPLC/IC (Continued)

Leach Batch: 27664 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15960-7	CS-2 (3')	Soluble	Solid	DI Leach	
880-15960-8	CS-3 (3')	Soluble	Solid	DI Leach	
880-15960-9	CS-4 (3')	Soluble	Solid	DI Leach	
880-15960-10	CS-5 (3')	Soluble	Solid	DI Leach	
880-15960-11	CS-6 (3')	Soluble	Solid	DI Leach	
880-15960-12	CS-7 (3')	Soluble	Solid	DI Leach	
880-15960-13	CS-8 (3')	Soluble	Solid	DI Leach	
880-15960-14	CS-9 (3')	Soluble	Solid	DI Leach	
MB 880-27664/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-27664/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-27664/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-15960-1 MS	SW-1 (3')	Soluble	Solid	DI Leach	
880-15960-1 MSD	SW-1 (3')	Soluble	Solid	DI Leach	
880-15960-11 MS	CS-6 (3')	Soluble	Solid	DI Leach	
880-15960-11 MSD	CS-6 (3')	Soluble	Solid	DI Leach	

Analysis Batch: 27756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15960-1	SW-1 (3')	Soluble	Solid	300.0	27664
880-15960-2	SW-2 (3')	Soluble	Solid	300.0	27664
880-15960-3	SW-3 (3')	Soluble	Solid	300.0	27664
880-15960-4	SW-4 (3')	Soluble	Solid	300.0	27664
880-15960-5	SW-5 (3')	Soluble	Solid	300.0	27664
880-15960-6	CS-1 (3')	Soluble	Solid	300.0	27664
880-15960-7	CS-2 (3')	Soluble	Solid	300.0	27664
880-15960-8	CS-3 (3')	Soluble	Solid	300.0	27664
880-15960-9	CS-4 (3')	Soluble	Solid	300.0	27664
880-15960-10	CS-5 (3')	Soluble	Solid	300.0	27664
880-15960-11	CS-6 (3')	Soluble	Solid	300.0	27664
880-15960-12	CS-7 (3')	Soluble	Solid	300.0	27664
880-15960-13	CS-8 (3')	Soluble	Solid	300.0	27664
880-15960-14	CS-9 (3')	Soluble	Solid	300.0	27664
MB 880-27664/1-A	Method Blank	Soluble	Solid	300.0	27664
LCS 880-27664/2-A	Lab Control Sample	Soluble	Solid	300.0	27664
LCSD 880-27664/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	27664
880-15960-1 MS	SW-1 (3')	Soluble	Solid	300.0	27664
880-15960-1 MSD	SW-1 (3')	Soluble	Solid	300.0	27664
880-15960-11 MS	CS-6 (3')	Soluble	Solid	300.0	27664
880-15960-11 MSD	CS-6 (3')	Soluble	Solid	300.0	27664

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.28.22)

Job ID: 880-15960-1
SDG: Eddy Co, NM

Client Sample ID: SW-1 (3')

Lab Sample ID: 880-15960-1

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

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	27659	06/16/22 08:55	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27651	06/17/22 00:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27770	06/17/22 09:21	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27751	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27657	06/16/22 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27643	06/16/22 11:29	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	27664	06/16/22 09:18	CH	XEN MID
Soluble	Analysis	300.0		1			27756	06/17/22 01:22	CH	XEN MID

Client Sample ID: SW-2 (3')

Lab Sample ID: 880-15960-2

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

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	27659	06/16/22 08:55	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27651	06/17/22 01:15	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27770	06/17/22 09:21	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27751	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27657	06/16/22 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27643	06/16/22 12:34	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27664	06/16/22 09:18	CH	XEN MID
Soluble	Analysis	300.0		1			27756	06/17/22 01:50	CH	XEN MID

Client Sample ID: SW-3 (3')

Lab Sample ID: 880-15960-3

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

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	27659	06/16/22 08:55	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27651	06/17/22 01:35	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27770	06/17/22 09:21	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27751	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27657	06/16/22 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27643	06/16/22 12:56	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	27664	06/16/22 09:18	CH	XEN MID
Soluble	Analysis	300.0		1			27756	06/17/22 01:59	CH	XEN MID

Client Sample ID: SW-4 (3')

Lab Sample ID: 880-15960-4

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

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	27659	06/16/22 08:55	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27651	06/17/22 01:56	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27770	06/17/22 09:21	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.28.22)

Job ID: 880-15960-1
SDG: Eddy Co, NM

Client Sample ID: SW-4 (3')

Lab Sample ID: 880-15960-4

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

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			27751	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27657	06/16/22 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27643	06/16/22 13:18	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	27664	06/16/22 09:18	CH	XEN MID
Soluble	Analysis	300.0		1			27756	06/17/22 02:08	CH	XEN MID

Client Sample ID: SW-5 (3')

Lab Sample ID: 880-15960-5

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

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	27659	06/16/22 08:55	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27651	06/17/22 03:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27770	06/17/22 09:21	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27751	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27657	06/16/22 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27643	06/16/22 13:39	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	27664	06/16/22 09:18	CH	XEN MID
Soluble	Analysis	300.0		1			27756	06/17/22 02:18	CH	XEN MID

Client Sample ID: CS-1 (3')

Lab Sample ID: 880-15960-6

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

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	27659	06/16/22 08:55	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27651	06/17/22 04:06	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27770	06/17/22 09:21	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27751	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27657	06/16/22 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27643	06/16/22 14:01	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	27664	06/16/22 09:18	CH	XEN MID
Soluble	Analysis	300.0		1			27756	06/17/22 02:45	CH	XEN MID

Client Sample ID: CS-2 (3')

Lab Sample ID: 880-15960-7

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

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	27659	06/16/22 08:55	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27651	06/17/22 04:27	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27770	06/17/22 09:21	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27751	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	27657	06/16/22 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27643	06/16/22 14:23	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.28.22)

Job ID: 880-15960-1
SDG: Eddy Co, NM

Client Sample ID: CS-2 (3')

Lab Sample ID: 880-15960-7

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	27664	06/16/22 09:18	CH	XEN MID
Soluble	Analysis	300.0		1			27756	06/17/22 02:54	CH	XEN MID

Client Sample ID: CS-3 (3')

Lab Sample ID: 880-15960-8

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

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	27659	06/16/22 08:55	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27651	06/17/22 04:47	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27770	06/17/22 09:21	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27751	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	27657	06/16/22 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27643	06/16/22 14:45	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	27664	06/16/22 09:18	CH	XEN MID
Soluble	Analysis	300.0		1			27756	06/17/22 03:04	CH	XEN MID

Client Sample ID: CS-4 (3')

Lab Sample ID: 880-15960-9

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

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	27659	06/16/22 08:55	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27651	06/17/22 05:08	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27770	06/17/22 09:21	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27751	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27657	06/16/22 08:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27643	06/16/22 15:07	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	27664	06/16/22 09:18	CH	XEN MID
Soluble	Analysis	300.0		1			27756	06/17/22 03:13	CH	XEN MID

Client Sample ID: CS-5 (3')

Lab Sample ID: 880-15960-10

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

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	27659	06/16/22 08:55	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27651	06/17/22 05:28	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27770	06/17/22 09:21	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27751	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27658	06/16/22 08:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27645	06/16/22 13:39	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	27664	06/16/22 09:18	CH	XEN MID
Soluble	Analysis	300.0		1			27756	06/17/22 03:22	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.28.22)

Job ID: 880-15960-1
SDG: Eddy Co, NM

Client Sample ID: CS-6 (3')

Lab Sample ID: 880-15960-11

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

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	27659	06/16/22 08:55	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27651	06/17/22 05:49	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27770	06/17/22 09:21	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27751	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27658	06/16/22 08:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27645	06/16/22 14:01	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27664	06/16/22 09:18	CH	XEN MID
Soluble	Analysis	300.0		1			27756	06/17/22 03:31	CH	XEN MID

Client Sample ID: CS-7 (3')

Lab Sample ID: 880-15960-12

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

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	27659	06/16/22 08:55	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27651	06/17/22 06:09	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27770	06/17/22 09:21	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27751	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	27658	06/16/22 08:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27645	06/16/22 14:23	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	27664	06/16/22 09:18	CH	XEN MID
Soluble	Analysis	300.0		1			27756	06/17/22 03:59	CH	XEN MID

Client Sample ID: CS-8 (3')

Lab Sample ID: 880-15960-13

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

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	27659	06/16/22 08:55	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27651	06/17/22 06:29	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27770	06/17/22 09:21	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27751	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	27658	06/16/22 08:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27645	06/16/22 14:45	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	27664	06/16/22 09:18	CH	XEN MID
Soluble	Analysis	300.0		1			27756	06/17/22 04:08	CH	XEN MID

Client Sample ID: CS-9 (3')

Lab Sample ID: 880-15960-14

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

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	27659	06/16/22 08:55	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27651	06/17/22 06:50	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27770	06/17/22 09:21	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.28.22)

Job ID: 880-15960-1
SDG: Eddy Co, NM

Client Sample ID: CS-9 (3')
Date Collected: 06/15/22 00:00
Date Received: 06/16/22 08:31

Lab Sample ID: 880-15960-14
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			27751	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27658	06/16/22 08:35	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27645	06/16/22 15:07	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27664	06/16/22 09:18	CH	XEN MID
Soluble	Analysis	300.0		1			27756	06/17/22 04:36	CH	XEN MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.28.22)

Job ID: 880-15960-1
SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.28.22)

Job ID: 880-15960-1
SDG: Eddy Co, NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: SRO State Com #45 (03.28.22)

Job ID: 880-15960-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-15960-1	SW-1 (3')	Solid	06/15/22 00:00	06/16/22 08:31
880-15960-2	SW-2 (3')	Solid	06/15/22 00:00	06/16/22 08:31
880-15960-3	SW-3 (3')	Solid	06/15/22 00:00	06/16/22 08:31
880-15960-4	SW-4 (3')	Solid	06/15/22 00:00	06/16/22 08:31
880-15960-5	SW-5 (3')	Solid	06/15/22 00:00	06/16/22 08:31
880-15960-6	CS-1 (3')	Solid	06/15/22 00:00	06/16/22 08:31
880-15960-7	CS-2 (3')	Solid	06/15/22 00:00	06/16/22 08:31
880-15960-8	CS-3 (3')	Solid	06/15/22 00:00	06/16/22 08:31
880-15960-9	CS-4 (3')	Solid	06/15/22 00:00	06/16/22 08:31
880-15960-10	CS-5 (3')	Solid	06/15/22 00:00	06/16/22 08:31
880-15960-11	CS-6 (3')	Solid	06/15/22 00:00	06/16/22 08:31
880-15960-12	CS-7 (3')	Solid	06/15/22 00:00	06/16/22 08:31
880-15960-13	CS-8 (3')	Solid	06/15/22 00:00	06/16/22 08:31
880-15960-14	CS-9 (3')	Solid	06/15/22 00:00	06/16/22 08:31

Work Order No: 159400

Page 1 of 2

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

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

Project Name	SRO State Com #45 (03 28 22)	Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes						
Project Number	1050	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush														None NO DI Water H ₂ O						
Project Location	Eddy Co. NM	Due Date	24 Hour														Cool Cool MeOH Me						
Sampler's Name	AT	TAT starts the day received by the lab if received by 4 30pm															HCL HC HNO ₃ HN						
PO #:																H ₂ SO ₄ H ₂ NaOH Na							
SAMPLE RECEIPT		Temp Blank	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													H ₃ PO ₄ HP						
Received Intact	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID	108														NaHSO ₄ NABIS						
Cooler Custody Seals	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor	1.5														Na ₂ S ₂ O ₃ NaSO ₃						
Sample Custody Seals	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading	1.3														Zn Acetate+NaOH Zn						
Total Containers	Corrected Temperature	1.3														NaOH+Ascorbic Acid SAPC							
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments				
SW-1 (3)	6/15/2022		X		Comp	1	X	X	X														
SW-2 (3)	6/15/2022		X		Comp	1	X	X	X														
SW-3 (3)	6/15/2022		X		Comp	1	X	X	X														
SW-4 (3)	6/15/2022		X		Comp	1	X	X	X														
SW-5 (3)	6/15/2022		X		Comp	1	X	X	X														
CS-1 (3)	6/15/2022		X		Comp	1	X	X	X														
CS-2 (3)	6/15/2022		X		Comp	1	X	X	X														
CS-3 (3)	6/15/2022		X		Comp	1	X	X	X														
CS-4 (3)	6/15/2022		X		Comp	1	X	X	X														
CS-5 (3)	6/15/2022		X		Comp	1	X	X	X														



Relinquished by (Signature)		Date/Time	Received by (Signature)		Date/Time
		6/16/22 8:51			

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

Work Order No: 15460

Page 2 of 2

[illegible]

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	4/10/22 8:31	[Signature]	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-15960-1

SDG Number: Eddy Co, NM

Login Number: 15960

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Midland

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

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 133132

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 133132
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	9/28/2022