



SITE INFORMATION

**Closure Report
Big Eddy SWD
Incident # NAPP2220641450
Eddy County, New Mexico
Unit P Sec 03 T20S R31E
32.596770°, -103.850601°**

**Produced Water Release
Point of Release: Lighting Strike
Release Date: 07/22/2022
Volume Released: 3,000 barrels of Produced Water
Volume Recovered: 3,000 barrels of Produced Water**

CARMONA RESOURCES



**Prepared for:
NGL Energy Partners, LLC
865 North Albion Street
Denver, CO 80220**

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



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April 5, 2023

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

**Re: Closure Report
Big Eddy SWD
NGL Water Solutions Permian, LLC
Incident # NAPP2220641450
Site Location: Unit P, S03, T20S, R31E
(Lat 32.596770°, Long -103.850601°)
Eddy County, New Mexico**

Mr. Bratcher:

On behalf of NGL Water Solutions Permian, LLC (NGL), Carmona Resources, LLC has prepared this letter to document site activities for the Big Eddy SWD. The site is located at 32.596770°, -103.850601° within Unit P, S03, T20S, R31E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on July 22, 2022, from a lightning strike burning the entire facility. It resulted in the release of approximately three thousand (3,000) barrels of produced water, and three thousand (3,000) barrels were recovered. Refer to Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water source within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.70 miles Southeast of the site in S10, T20S, R31E and was drilled in 1973. The well has a reported depth to groundwater of 130' below ground surface (ft bgs). A copy of the associated Point of Diversion Summary report is attached in Appendix D.

On January 10, 2022, the OCD approved the work plan.

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.

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4.0 Site Assessment Activities

Initial Assessment

On September 13, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of four (4) sample points and six (6) horizontal samples were advanced to depths ranging from the surface to 7' bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figure 3 for the soil sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

Vertical delineation was not achieved due to the dense layer encountered throughout the facility. Refer to Table 1.

Horizontal Delineation

The areas of H-1 through H-6 were below the regulatory limits for benzene, total BTEX, TPH, and chloride concentrations. Refer to Table 1.

Trenching Activities

On October 14, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of two (2) trenches were advanced to depths ranging from the surface to 8' bgs inside the release area to evaluate the vertical extent. See Figure 3 for the soil sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

Refer to Table 1 for analytical results.

5.0 Remediation Activities

Carmona Resources personnel supervised the remediation activities and collected confirmation samples. Before collecting composite confirmation samples, the NMOCD division office was notified via email on March 22, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The area of S-1 (Trench-1) was excavated to a depth of 8' bgs, and S-3 (Trench-2) was excavated to a depth of 2.0' bgs to remove all the impacted soils. A total of thirty-two (32) confirmation floor samples were collected (CS-1 through CS-32), and sixteen (16) sidewall samples (SW-1 through SW-16) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The sampling results are summarized in Table 2. The excavation depths and confirmation sample locations are shown in Figure 4.

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

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 2,216 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 NGL formally requests the closure of the spill. If you have any questions regarding this report or need additional information, don't hesitate to contact us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

Mike Carmona
Environmental Manager

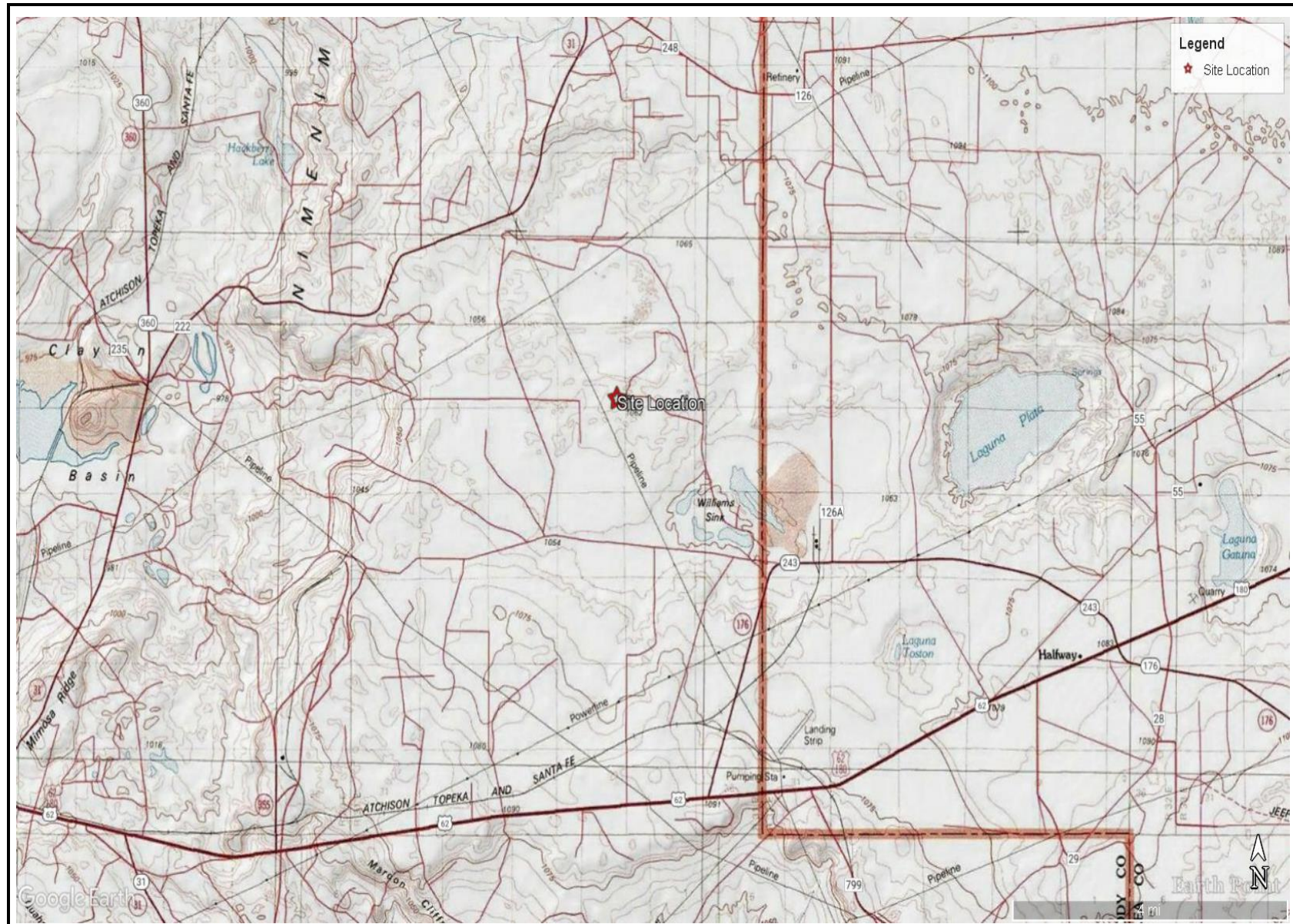
Conner Moehring
Sr. Project Manager

FIGURES

CARMONA RESOURCES







TOPOGRAPHIC MAP
 NGL ENERGY PARTNERS
 BIG EDDY SWD
 EDDY COUNTY, NEW MEXICO
 32.596770, -103.850601



FIGURE 2



SAMPLE LOCATION MAP
 NGL ENERGY PARTNERS
 BIG EDDY SWD
 EDDY COUNTY, NEW MEXICO
 32.596770, -103.850601



FIGURE 3



PROPOSED EXCAVATION DEPTH MAP
 NGL ENERGY PARTNERS
 BIG EDDY SWD
 EDDY COUNTY, NEW MEXICO
 32.596770, -103.850601



FIGURE 4

APPENDIX A

CARMONA RESOURCES



Table 1
NGL Water Solutions Permian
Big Eddy SWD
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	9/13/2022	0-6"	<49.9	393	<49.9	393	<0.00200	0.0275	0.0285	0.131	0.187	62.1
	"	1.0	<49.9	393	<49.9	393	<0.0201	<0.0201	0.103	0.176	0.279	49.9
	"	1.5	<50.0	368	<50.0	368	<0.00202	0.0461	0.0312	0.0535	0.131	70.2
	"	2.0	<49.9	275	<49.9	275	<0.00200	0.0446	0.0290	0.0496	0.123	86.2
	"	2.5	<50.0	404	<50.0	404	<0.00200	<0.00200	0.0317	0.0316	0.0633	62.5
	"	3.0	68.5	641	<49.9	710	<0.00199	0.0491	0.0442	0.187	0.280	56.8
	"	3.5	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	63.0
	"	4.0	97.2	246	<50.0	343	<0.0399	0.0718	0.581	2.25	2.90	417
	"	4.5	177	407	<49.9	584	<0.0402	<0.0402	0.668	2.54	3.20	585
	"	5.0	79.2	237	<49.9	316	<0.00200	0.00469	0.0978	0.293	0.395	394
	"	5.5	85.9	177	<50.0	263	<0.0399	<0.0399	0.506	1.23	1.74	483
	"	6.0	78.1	216	<49.9	294	<0.0398	<0.0398	0.304	0.793	1.10	436
	"	6.5	777	1540	<50.0	2,320	<0.0398	0.0559	4.94	8.45	13.4	5,410
	"	7.0	1050	1970	<49.8	3,020	<0.0402	0.0632	3.23	9.89	13.2	4,750
T-1	10/14/2022	0-1	<49.8	380	<49.8	380	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	66.8
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	104
	"	2.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	0.00333	0.0293	0.0326	87.1
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	94.2
	"	4.0	<49.9	<49.9	<49.9	<49.9	0.208	<0.0399	1.06	1.28	2.55	143
	"	5.0	<49.9	<49.9	<49.9	<49.9	0.269	<0.0398	0.808	2.13	3.21	175
	"	6.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	0.0320	0.0320	300
	"	7.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,110
S-2	9/13/2022	0-6"	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	33.2
	"	1.0	<50.0	50.4	<50.0	50.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	86.6
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	61.8
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	48.4
S-3	9/13/2022	0-6"	<49.8	189	<49.8	189	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	71.1
T-2	10/14/2022	0-0.5	<49.8	348	<49.8	348	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	15,000
	"	0.5-1	<50.0	632	<50.0	632	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	179
	3/27/2023	1.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	635
	"	2	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	203
S-4	9/13/2022	0-6"	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	49.4
H-1	9/13/2022	0-6"	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	46.6
H-2	9/13/2022	0-6"	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	49.9
H-3	9/13/2022	0-6"	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	36.6
H-4	9/13/2022	0-6"	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	46.1
H-5	9/13/2022	0-6"	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	44.4
H-6	9/13/2022	0-6"	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	49.9
Regulatory Criteria ^A						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(S) - Sample Point

(H) - Horizontal

(T) - Trench

 Removed

Table 2
NGL Water Solutions Permian
Big Eddy SWD
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	3/27/2023	8.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	78.5
CS-2	3/27/2023	8.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	115
CS-3	3/27/2023	8.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	95.4
CS-4	3/27/2023	8.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	86.3
CS-5	3/27/2023	8.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	83.0
CS-6	3/27/2023	8.0	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	87.5
CS-7	3/27/2023	8.0	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	136
CS-8	3/27/2023	8.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	99.0
CS-9	3/27/2023	8.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	111
CS-10	3/27/2023	8.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	97.0
CS-11	3/27/2023	8.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	97.4
CS-12	3/27/2023	8.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	118
CS-13	3/27/2023	8.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	126
CS-14	3/27/2023	8.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	106
CS-15	3/27/2023	8.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	91.0
CS-16	3/27/2023	8.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	84.7
CS-17	3/27/2023	8.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	104
CS-18	3/28/2023	2.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	121
CS-19	3/28/2023	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	224
CS-20	3/28/2023	2.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	113
CS-21	3/28/2023	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	140
CS-22	3/28/2023	2.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	121
CS-23	3/28/2023	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	498
CS-24	3/28/2023	2.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	457
CS-25	3/28/2023	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	685
	4/3/2023	2.25	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	96.8
CS-26	3/28/2023	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	121
CS-27	3/28/2023	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	381
CS-28	3/28/2023	2.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	104
CS-29	3/28/2023	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	147
CS-30	3/28/2023	2.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	626
	4/3/2023	2.25	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	120
CS-31	3/28/2023	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	99.7
CS-32	3/28/2023	2.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	118
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 2
NGL Water Solutions Permian
Big Eddy SWD
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	3/27/2023	8.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	97.6
SW-2	3/27/2023	8.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	138
SW-3	3/27/2023	8.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	96.9
SW-4	3/27/2023	8.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	117
SW-5	3/27/2023	8.0	<49.9	<49.9	<49.9	<49.9	<0.00200	0.00658	<0.00200	<0.00401	0.00658	103
SW-6	3/27/2023	8.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	102
SW-7	3/27/2023	8.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	99.1
SW-8	3/27/2023	8.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	45.9
SW-9	3/27/2023	8.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	87.9
SW-10	3/27/2023	8.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	107
SW-11	3/27/2023	8.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	120
SW-12	3/27/2023	8.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	95.0
SW-13	3/28/2023	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	411
SW-14	3/28/2023	2.0	<49.9	149	<49.9	149	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	450
	4/3/2023	2.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	89.3
SW-15	3/28/2023	2.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	96.9
SW-16	3/28/2023	2.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	113
Regulatory Criteria ^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft-feet

(SW) Sidewall Sample

 Removed

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

NGL Energy Partners

Photograph No. 1

Facility: Big Eddy SWD

County: Eddy County, New Mexico

Description:

View Southwest of the burned-out facility.



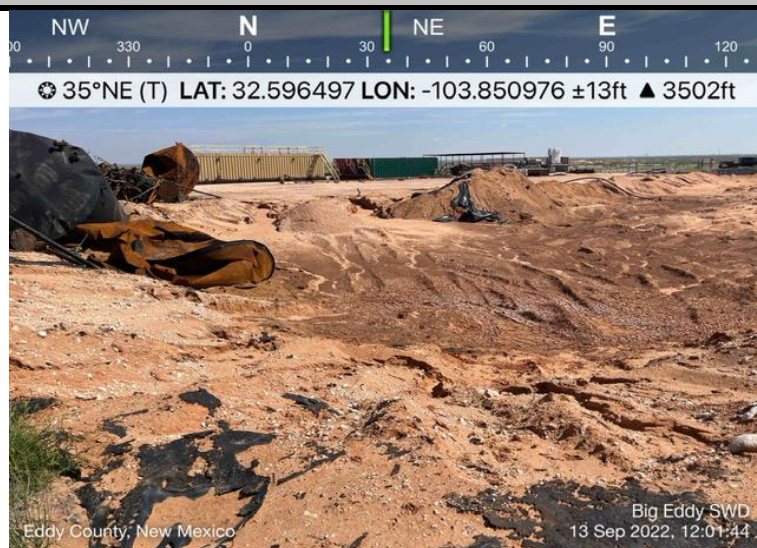
Photograph No. 2

Facility: Big Eddy SWD

County: Eddy County, New Mexico

Description:

View Northeast, area of S-1/T-1.



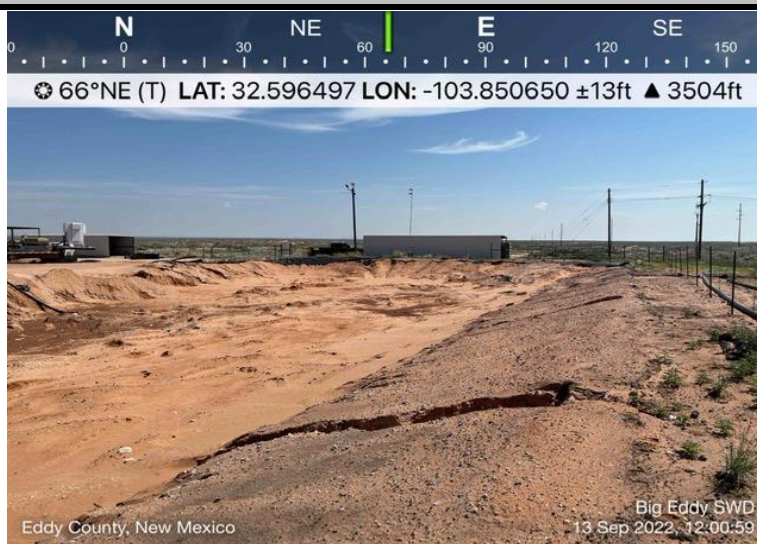
Photograph No. 3

Facility: Big Eddy SWD

County: Eddy County, New Mexico

Description:

View Northeast, area of S-2, S-3/T-2, and S-4.



PHOTOGRAPHIC LOG

NGL Energy Partners

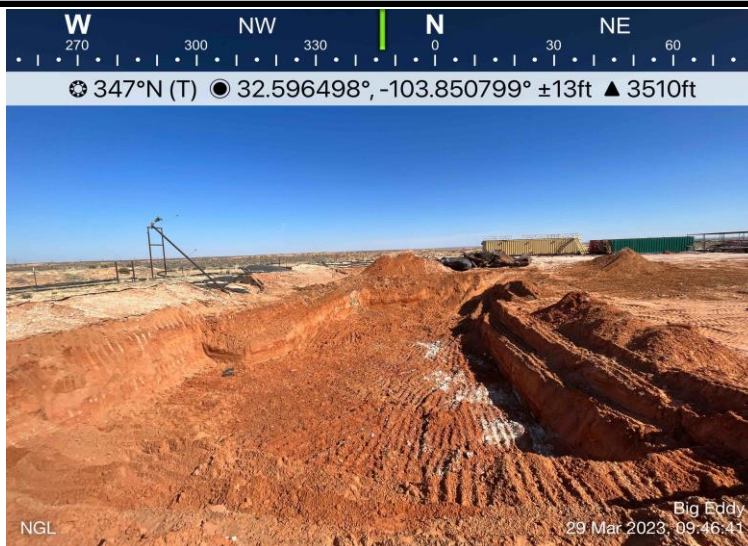
Photograph No. 4

Facility: Big Eddy SWD

County: Eddy County, New Mexico

Description:

View North, area of Confirmation Samples (1-17).



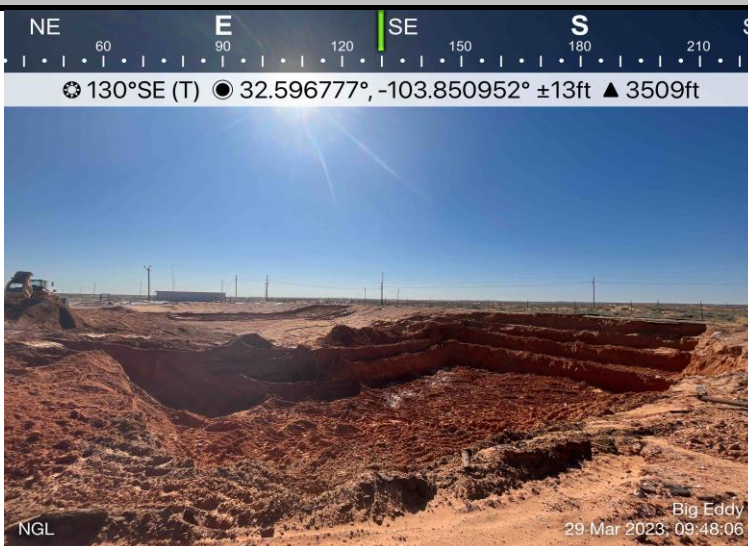
Photograph No. 5

Facility: Big Eddy SWD

County: Eddy County, New Mexico

Description:

View Southeast, area of Confirmation Samples (1-17).



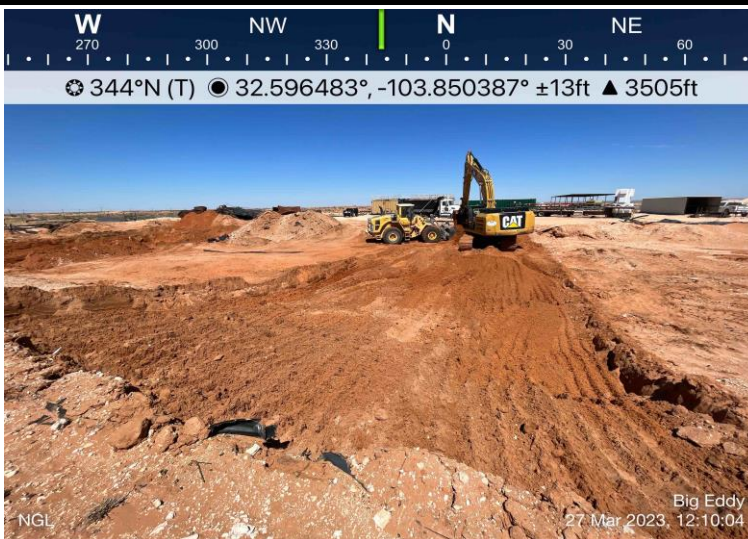
Photograph No. 6

Facility: Big Eddy SWD

County: Eddy County, New Mexico

Description:

View North, area of Confirmation Samples (18-31).



PHOTOGRAPHIC LOG

NGL Energy Partners

Photograph No. 7

Facility: Big Eddy SWD

County: Eddy County, New Mexico

Description:

View South, area of Confirmation Samples (18-31).



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	nAPP2220641450
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	NGL Water Solutions Permian, LLC	OGRID	372338
Contact Name	Joseph Vargo	Contact Telephone	303-815-1010
Contact email	Joseph.Vargo@nglep.com	Incident # (assigned by OCD)	nAPP2220641450
Contact mailing address	865 N. Albion Street, Suite 400, Denver, CO 80220		

Location of Release Source

Latitude 32.596636 Longitude -103.850569
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Big Eddy SWD	Site Type	Saltwater Disposal
Date Release Discovered	7.22.2022	API# (if applicable)	30-015-05819

Unit Letter	Section	Township	Range	County
P	03	20S	31E	Eddy

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: BLM)

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 3,000	Volume Recovered (bbls) 3,000
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☒ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

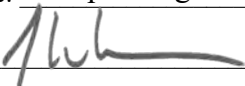
Lightning Strike on the facility, igniting and burning the entire facility down. All released water stayed within containment. Local Volunteer Fire Dept and Happy Valley Fire/Rescue on site immediately.

Incident ID	nAPP2220641450
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? Yes, fire and more than 25 bbls
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, NOR was filed on 7.25 and BLM - surface owner - was noticed same day.	

Initial Response

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

☒ The source of the release has been stopped. ☒ The impacted area has been secured to protect human health and the environment. ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. ☒ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: 	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: Joseph Vargo	Title: Regulatory Director
Signature: 	Date: 7.26.22
email: Joseph.Vargo@nglep.com	Telephone: 303-815-1010
<u>OCD Only</u> Received by: Jocelyn Harimon Date: 07/26/2022	

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 128761

CONDITIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 128761
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141	7/26/2022

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature:  _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 04/10/2023

Incident ID	
District RP	
Facility ID	
Application ID	

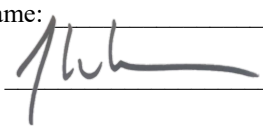
Closure

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:  _____ Date: _____
email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 04/10/2023

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

Closure Approved by:  _____ Date: 04/17/2023
Printed Name: Jocelyn Harimon Title: Environmental Specialist

From: Mike Carmona
Sent: Wednesday, March 22, 2023 1:09 PM
To: NMOCD Spill Notifications (OCD.Enviro@emnrd.nm.gov)
Cc: Conner Moehring; Cole Lane; Joe Vargo
Subject: NGL - Big Eddy SWD - Sampling Notification - Incident # NAPP2220641450

Good Afternoon,

On behalf of NGL, Carmona Resources will collect confirmation samples for the below site on 03/27/23 around 8:00 a.m. Please let me know if you have any questions.

Big Eddy SWD
Incident # NAPP2220641450
32.596770°, -103.850601°

Mike J. Carmona
310 West Wall Street, Suite 500
Midland TX, 79701
M: 432-813-1992
Mcarmona@carmonaresources.com

CARMONA RESOURCES



APPENDIX D

CARMONA RESOURCES



Nearest water well

NGL - Big Eddy SWD

Legend

- 0.50 Mile Radius
- 0.70 Mile Radius
- NMSEO Water Well
- Big Eddy SWD



Big Eddy SWD

130' - Drilled 1973



2000 ft

LOW KARST

NGL - BIG EDDY SWD

Legend

-  BIG EDDY SWD
-  High
-  Low
-  Medium

 BIG EDDY SWD



2 mi



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
CP 00359	CP	LE		4	3	16	20S	31E		605483	3603944*	133		
CP 00368	CP	LE			2	36	20S	31E		610955	3600163*	303		
CP 00370	CP	LE		1	1	36	20S	31E		609945	3600358*	120	80	40
CP 00520	CP	ED		4	4	1	10	20S	31E	607163	3606278*	280	130	150

Average Depth to Water: **105 feet**

Minimum Depth: **80 feet**

Maximum Depth: **130 feet**

Record Count: 4

PLSS Search:

Township: 20S

Range: 31E

*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.

10/17/22 3:34 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(NAD83 UTM in meters)			
		(quarters are smallest to largest)							
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 00520	4	4	1	10	20S	31E	607163	3606278*
Driller License:	46	Driller Company:		ABBOTT BROTHERS COMPANY					
Driller Name:	ABBOTT, MURRELL								
Drill Start Date:	07/23/1973	Drill Finish Date:		07/25/1973		Plug Date:			
Log File Date:	07/31/1973	PCW Rev Date:				Source:		Shallow	
Pump Type:		Pipe Discharge Size:				Estimated Yield:			
Casing Size:	7.00	Depth Well:		280 feet		Depth Water:		130 feet	
Water Bearing Stratifications:		Top	Bottom	Description					
		176	190	Sandstone/Gravel/Conglomerate					

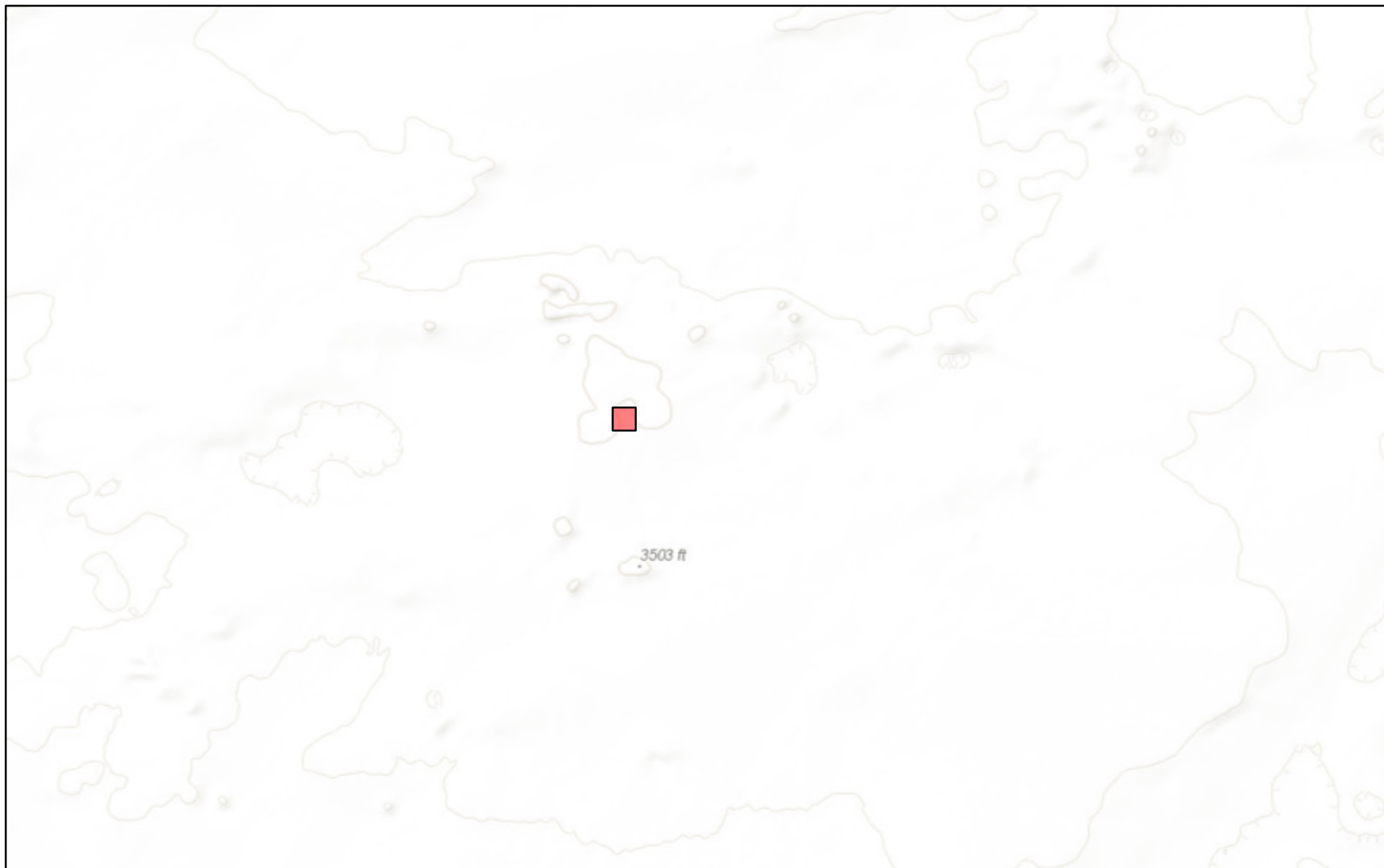
*UTM location was derived from PLSS - see Help

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.

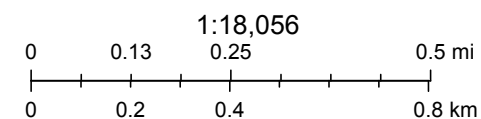
10/18/22 12:34 PM

POINT OF DIVERSION SUMMARY

New Mexico NFHL Data



October 17, 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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This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.

APPENDIX E

CARMONA RESOURCES





Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-19191-1

Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Bid Eddy SWD

For:

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

Attn: Conner Moehring

Authorized for release by:

9/19/2022 3:33:37 PM

Jessica Kramer, Project Manager
(432)704-5440

Jessica.Kramer@et.eurofinsus.com

LINKS

Review your project
results through



Have a Question?



Visit us at:

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: Bid Eddy SWD

Laboratory Job ID: 880-19191-1
SDG: Lea Co, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
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: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Job ID: 880-19191-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-19191-1****Receipt**

The samples were received on 9/14/2022 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.5°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-34556 and analytical batch 880-34713 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-1 (4.5) (880-19191-9). 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: (LCS 880-34495/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (880-19130-A-12-D). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-34495 and analytical batch 880-34439 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 880-34495 and analytical batch 880-34439 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: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-1 (0-6")

Lab Sample ID: 880-19191-1

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

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		09/15/22 09:02	09/17/22 02:38	1
Toluene	0.0275		0.00200		mg/Kg		09/15/22 09:02	09/17/22 02:38	1
Ethylbenzene	0.0285		0.00200		mg/Kg		09/15/22 09:02	09/17/22 02:38	1
m-Xylene & p-Xylene	0.0218		0.00399		mg/Kg		09/15/22 09:02	09/17/22 02:38	1
o-Xylene	0.109		0.00200		mg/Kg		09/15/22 09:02	09/17/22 02:38	1
Xylenes, Total	0.131		0.00399		mg/Kg		09/15/22 09:02	09/17/22 02:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	09/15/22 09:02	09/17/22 02:38	1
1,4-Difluorobenzene (Surr)	94		70 - 130	09/15/22 09:02	09/17/22 02:38	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.187		0.00399		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	393		49.9		mg/Kg			09/15/22 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/14/22 11:52	09/15/22 02:50	1
Diesel Range Organics (Over C10-C28)	393		49.9		mg/Kg		09/14/22 11:52	09/15/22 02:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/14/22 11:52	09/15/22 02:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				09/14/22 11:52	09/15/22 02:50	1
o-Terphenyl	103		70 - 130				09/14/22 11:52	09/15/22 02:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.1		5.02		mg/Kg			09/16/22 21:20	1

Client Sample ID: S-1 (1)

Lab Sample ID: 880-19191-2

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0201	U	0.0201		mg/Kg		09/16/22 16:25	09/19/22 11:22	10
Toluene	<0.0201	U	0.0201		mg/Kg		09/16/22 16:25	09/19/22 11:22	10
Ethylbenzene	0.103		0.0201		mg/Kg		09/16/22 16:25	09/19/22 11:22	10
m-Xylene & p-Xylene	0.110		0.0402		mg/Kg		09/16/22 16:25	09/19/22 11:22	10
o-Xylene	0.0663		0.0201		mg/Kg		09/16/22 16:25	09/19/22 11:22	10
Xylenes, Total	0.176		0.0402		mg/Kg		09/16/22 16:25	09/19/22 11:22	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	09/16/22 16:25	09/19/22 11:22	10
1,4-Difluorobenzene (Surr)	81		70 - 130	09/16/22 16:25	09/19/22 11:22	10

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Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-1 (1)

Lab Sample ID: 880-19191-2

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.279		0.0402		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	393		49.9		mg/Kg			09/15/22 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/14/22 11:52	09/15/22 03:11	1
Diesel Range Organics (Over C10-C28)	393		49.9		mg/Kg		09/14/22 11:52	09/15/22 03:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/14/22 11:52	09/15/22 03:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				09/14/22 11:52	09/15/22 03:11	1
o-Terphenyl	107		70 - 130				09/14/22 11:52	09/15/22 03:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.9		4.99		mg/Kg			09/16/22 21:25	1

Client Sample ID: S-1 (1.5)

Lab Sample ID: 880-19191-3

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

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		09/15/22 09:02	09/17/22 03:18	1
Toluene	0.0461		0.00202		mg/Kg		09/15/22 09:02	09/17/22 03:18	1
Ethylbenzene	0.0312		0.00202		mg/Kg		09/15/22 09:02	09/17/22 03:18	1
m-Xylene & p-Xylene	0.0374		0.00404		mg/Kg		09/15/22 09:02	09/17/22 03:18	1
o-Xylene	0.0161		0.00202		mg/Kg		09/15/22 09:02	09/17/22 03:18	1
Xylenes, Total	0.0535		0.00404		mg/Kg		09/15/22 09:02	09/17/22 03:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				09/15/22 09:02	09/17/22 03:18	1
1,4-Difluorobenzene (Surr)	99		70 - 130				09/15/22 09:02	09/17/22 03:18	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.131		0.00404		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	368		50.0		mg/Kg			09/15/22 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/14/22 11:52	09/15/22 03:32	1
Diesel Range Organics (Over C10-C28)	368		50.0		mg/Kg		09/14/22 11:52	09/15/22 03:32	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-1 (1.5)

Lab Sample ID: 880-19191-3

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/14/22 11:52	09/15/22 03:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				09/14/22 11:52	09/15/22 03:32	1
o-Terphenyl	104		70 - 130				09/14/22 11:52	09/15/22 03:32	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70.2		4.99		mg/Kg			09/16/22 21:30	1

Client Sample ID: S-1 (2)

Lab Sample ID: 880-19191-4

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

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		09/15/22 09:02	09/17/22 03:39	1
Toluene	0.0446		0.00200		mg/Kg		09/15/22 09:02	09/17/22 03:39	1
Ethylbenzene	0.0290		0.00200		mg/Kg		09/15/22 09:02	09/17/22 03:39	1
m-Xylene & p-Xylene	0.0357		0.00401		mg/Kg		09/15/22 09:02	09/17/22 03:39	1
o-Xylene	0.0139		0.00200		mg/Kg		09/15/22 09:02	09/17/22 03:39	1
Xylenes, Total	0.0496		0.00401		mg/Kg		09/15/22 09:02	09/17/22 03:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				09/15/22 09:02	09/17/22 03:39	1
1,4-Difluorobenzene (Surr)	116		70 - 130				09/15/22 09:02	09/17/22 03:39	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.123		0.00401		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	275		49.9		mg/Kg			09/15/22 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/14/22 11:52	09/15/22 04:15	1
Diesel Range Organics (Over C10-C28)	275		49.9		mg/Kg		09/14/22 11:52	09/15/22 04:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/14/22 11:52	09/15/22 04:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				09/14/22 11:52	09/15/22 04:15	1
o-Terphenyl	108		70 - 130				09/14/22 11:52	09/15/22 04:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.2		4.97		mg/Kg			09/16/22 21:35	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-1 (2.5)

Lab Sample ID: 880-19191-5

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

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		09/15/22 09:02	09/17/22 03:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:02	09/17/22 03:59	1
Ethylbenzene	0.0317		0.00200		mg/Kg		09/15/22 09:02	09/17/22 03:59	1
m-Xylene & p-Xylene	0.0168		0.00399		mg/Kg		09/15/22 09:02	09/17/22 03:59	1
o-Xylene	0.0148		0.00200		mg/Kg		09/15/22 09:02	09/17/22 03:59	1
Xylenes, Total	0.0316		0.00399		mg/Kg		09/15/22 09:02	09/17/22 03:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	09/15/22 09:02	09/17/22 03:59	1
1,4-Difluorobenzene (Surr)	105		70 - 130	09/15/22 09:02	09/17/22 03:59	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0633		0.00399		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	404		50.0		mg/Kg			09/15/22 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/14/22 11:52	09/15/22 03:53	1
Diesel Range Organics (Over C10-C28)	404		50.0		mg/Kg		09/14/22 11:52	09/15/22 03:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/14/22 11:52	09/15/22 03:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				09/14/22 11:52	09/15/22 03:53	1
o-Terphenyl	108		70 - 130				09/14/22 11:52	09/15/22 03:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.5		5.03		mg/Kg			09/16/22 21:49	1

Client Sample ID: S-1 (3)

Lab Sample ID: 880-19191-6

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:02	09/17/22 04:20	1
Toluene	0.0491		0.00199		mg/Kg		09/15/22 09:02	09/17/22 04:20	1
Ethylbenzene	0.0442		0.00199		mg/Kg		09/15/22 09:02	09/17/22 04:20	1
m-Xylene & p-Xylene	0.0237		0.00398		mg/Kg		09/15/22 09:02	09/17/22 04:20	1
o-Xylene	0.163		0.00199		mg/Kg		09/15/22 09:02	09/17/22 04:20	1
Xylenes, Total	0.187		0.00398		mg/Kg		09/15/22 09:02	09/17/22 04:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	09/15/22 09:02	09/17/22 04:20	1
1,4-Difluorobenzene (Surr)	93		70 - 130	09/15/22 09:02	09/17/22 04:20	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-1 (3)

Lab Sample ID: 880-19191-6

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.280		0.00398		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	710		49.9		mg/Kg			09/15/22 09:50	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	68.5		49.9		mg/Kg		09/14/22 11:52	09/15/22 02:08	1
Diesel Range Organics (Over C10-C28)	641		49.9		mg/Kg		09/14/22 11:52	09/15/22 02:08	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/14/22 11:52	09/15/22 02:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				09/14/22 11:52	09/15/22 02:08	1
o-Terphenyl	107		70 - 130				09/14/22 11:52	09/15/22 02:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.8		4.99		mg/Kg			09/16/22 21:54	1

Client Sample ID: S-1 (3.5)

Lab Sample ID: 880-19191-7

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

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		09/15/22 09:02	09/17/22 04:40	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/15/22 09:02	09/17/22 04:40	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/15/22 09:02	09/17/22 04:40	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		09/15/22 09:02	09/17/22 04:40	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/15/22 09:02	09/17/22 04:40	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		09/15/22 09:02	09/17/22 04:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				09/15/22 09:02	09/17/22 04:40	1
1,4-Difluorobenzene (Surr)	98		70 - 130				09/15/22 09:02	09/17/22 04:40	1

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			09/19/22 09:16	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			09/15/22 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/14/22 11:52	09/14/22 20:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/14/22 11:52	09/14/22 20:47	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-1 (3.5)

Lab Sample ID: 880-19191-7

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/14/22 11:52	09/14/22 20:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				09/14/22 11:52	09/14/22 20:47	1
o-Terphenyl	112		70 - 130				09/14/22 11:52	09/14/22 20:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63.0		4.98		mg/Kg			09/16/22 21:59	1

Client Sample ID: S-1 (4)

Lab Sample ID: 880-19191-8

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0399	U	0.0399		mg/Kg		09/15/22 09:02	09/17/22 05:21	20
Toluene	0.0718		0.0399		mg/Kg		09/15/22 09:02	09/17/22 05:21	20
Ethylbenzene	0.581		0.0399		mg/Kg		09/15/22 09:02	09/17/22 05:21	20
m-Xylene & p-Xylene	1.50		0.0798		mg/Kg		09/15/22 09:02	09/17/22 05:21	20
o-Xylene	0.748		0.0399		mg/Kg		09/15/22 09:02	09/17/22 05:21	20
Xylenes, Total	2.25		0.0798		mg/Kg		09/15/22 09:02	09/17/22 05:21	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				09/15/22 09:02	09/17/22 05:21	20
1,4-Difluorobenzene (Surr)	85		70 - 130				09/15/22 09:02	09/17/22 05:21	20

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	2.90		0.0798		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	343		50.0		mg/Kg			09/15/22 09:50	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	97.2		50.0		mg/Kg		09/14/22 11:52	09/15/22 04:36	1
Diesel Range Organics (Over C10-C28)	246		50.0		mg/Kg		09/14/22 11:52	09/15/22 04:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/14/22 11:52	09/15/22 04:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				09/14/22 11:52	09/15/22 04:36	1
o-Terphenyl	109		70 - 130				09/14/22 11:52	09/15/22 04:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	417		5.02		mg/Kg			09/16/22 22:04	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-1 (4.5)

Lab Sample ID: 880-19191-9

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0402	U	0.0402		mg/Kg		09/15/22 09:02	09/17/22 05:41	20
Toluene	<0.0402	U	0.0402		mg/Kg		09/15/22 09:02	09/17/22 05:41	20
Ethylbenzene	0.668		0.0402		mg/Kg		09/15/22 09:02	09/17/22 05:41	20
m-Xylene & p-Xylene	1.79		0.0805		mg/Kg		09/15/22 09:02	09/17/22 05:41	20
o-Xylene	0.745		0.0402		mg/Kg		09/15/22 09:02	09/17/22 05:41	20
Xylenes, Total	2.54		0.0805		mg/Kg		09/15/22 09:02	09/17/22 05:41	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	09/15/22 09:02	09/17/22 05:41	20
1,4-Difluorobenzene (Surr)	80		70 - 130	09/15/22 09:02	09/17/22 05:41	20

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	3.20		0.0805		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	584		49.9		mg/Kg			09/15/22 09:50	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	177		49.9		mg/Kg		09/14/22 11:52	09/14/22 23:39	1
Diesel Range Organics (Over C10-C28)	407		49.9		mg/Kg		09/14/22 11:52	09/14/22 23:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/14/22 11:52	09/14/22 23:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130				09/14/22 11:52	09/14/22 23:39	1
o-Terphenyl	126		70 - 130				09/14/22 11:52	09/14/22 23:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	585		5.02		mg/Kg			09/16/22 22:09	1

Client Sample ID: S-1 (5)

Lab Sample ID: 880-19191-10

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

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		09/15/22 09:02	09/17/22 05:01	1
Toluene	0.00469		0.00200		mg/Kg		09/15/22 09:02	09/17/22 05:01	1
Ethylbenzene	0.0978		0.00200		mg/Kg		09/15/22 09:02	09/17/22 05:01	1
m-Xylene & p-Xylene	0.212		0.00401		mg/Kg		09/15/22 09:02	09/17/22 05:01	1
o-Xylene	0.0805		0.00200		mg/Kg		09/15/22 09:02	09/17/22 05:01	1
Xylenes, Total	0.293		0.00401		mg/Kg		09/15/22 09:02	09/17/22 05:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130	09/15/22 09:02	09/17/22 05:01	1
1,4-Difluorobenzene (Surr)	100		70 - 130	09/15/22 09:02	09/17/22 05:01	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-1 (5)

Lab Sample ID: 880-19191-10

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.395		0.00401		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	316		49.9		mg/Kg			09/15/22 09:50	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	79.2		49.9		mg/Kg		09/14/22 11:52	09/15/22 00:01	1
Diesel Range Organics (Over C10-C28)	237		49.9		mg/Kg		09/14/22 11:52	09/15/22 00:01	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/14/22 11:52	09/15/22 00:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				09/14/22 11:52	09/15/22 00:01	1
o-Terphenyl	112		70 - 130				09/14/22 11:52	09/15/22 00:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	394		5.02		mg/Kg			09/16/22 22:13	1

Client Sample ID: S-1 (5.5)

Lab Sample ID: 880-19191-11

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0399	U	0.0399		mg/Kg		09/15/22 09:02	09/17/22 09:34	20
Toluene	<0.0399	U	0.0399		mg/Kg		09/15/22 09:02	09/17/22 09:34	20
Ethylbenzene	0.506		0.0399		mg/Kg		09/15/22 09:02	09/17/22 09:34	20
m-Xylene & p-Xylene	0.847		0.0798		mg/Kg		09/15/22 09:02	09/17/22 09:34	20
o-Xylene	0.384		0.0399		mg/Kg		09/15/22 09:02	09/17/22 09:34	20
Xylenes, Total	1.23		0.0798		mg/Kg		09/15/22 09:02	09/17/22 09:34	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				09/15/22 09:02	09/17/22 09:34	20
1,4-Difluorobenzene (Surr)	90		70 - 130				09/15/22 09:02	09/17/22 09:34	20

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1.74		0.0798		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	263		50.0		mg/Kg			09/15/22 09:50	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	85.9		50.0		mg/Kg		09/14/22 11:52	09/15/22 00:22	1
Diesel Range Organics (Over C10-C28)	177		50.0		mg/Kg		09/14/22 11:52	09/15/22 00:22	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-1 (5.5)

Lab Sample ID: 880-19191-11

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/14/22 11:52	09/15/22 00:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				09/14/22 11:52	09/15/22 00:22	1
o-Terphenyl	120		70 - 130				09/14/22 11:52	09/15/22 00:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	483		4.98		mg/Kg			09/16/22 22:28	1

Client Sample ID: S-1 (6)

Lab Sample ID: 880-19191-12

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0398	U	0.0398		mg/Kg		09/15/22 09:02	09/17/22 09:55	20
Toluene	<0.0398	U	0.0398		mg/Kg		09/15/22 09:02	09/17/22 09:55	20
Ethylbenzene	0.304		0.0398		mg/Kg		09/15/22 09:02	09/17/22 09:55	20
m-Xylene & p-Xylene	0.539		0.0797		mg/Kg		09/15/22 09:02	09/17/22 09:55	20
o-Xylene	0.254		0.0398		mg/Kg		09/15/22 09:02	09/17/22 09:55	20
Xylenes, Total	0.793		0.0797		mg/Kg		09/15/22 09:02	09/17/22 09:55	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				09/15/22 09:02	09/17/22 09:55	20
1,4-Difluorobenzene (Surr)	88		70 - 130				09/15/22 09:02	09/17/22 09:55	20

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1.10		0.0797		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	294		49.9		mg/Kg			09/15/22 09:50	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	78.1		49.9		mg/Kg		09/14/22 11:52	09/14/22 23:18	1
Diesel Range Organics (Over C10-C28)	216		49.9		mg/Kg		09/14/22 11:52	09/14/22 23:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/14/22 11:52	09/14/22 23:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				09/14/22 11:52	09/14/22 23:18	1
o-Terphenyl	106		70 - 130				09/14/22 11:52	09/14/22 23:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	436		4.99		mg/Kg			09/16/22 22:33	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-1 (6.5)

Lab Sample ID: 880-19191-13

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0398	U	0.0398		mg/Kg		09/15/22 09:02	09/17/22 10:15	20
Toluene	0.0559		0.0398		mg/Kg		09/15/22 09:02	09/17/22 10:15	20
Ethylbenzene	4.94		0.0398		mg/Kg		09/15/22 09:02	09/17/22 10:15	20
m-Xylene & p-Xylene	7.03		0.0795		mg/Kg		09/15/22 09:02	09/17/22 10:15	20
o-Xylene	1.42		0.0398		mg/Kg		09/15/22 09:02	09/17/22 10:15	20
Xylenes, Total	8.45		0.0795		mg/Kg		09/15/22 09:02	09/17/22 10:15	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	295	S1+	70 - 130	09/15/22 09:02	09/17/22 10:15	20
1,4-Difluorobenzene (Surr)	176	S1+	70 - 130	09/15/22 09:02	09/17/22 10:15	20

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	13.4		0.0795		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2320		50.0		mg/Kg			09/15/22 09:50	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	777		50.0		mg/Kg		09/14/22 11:52	09/15/22 01:47	1
Diesel Range Organics (Over C10-C28)	1540		50.0		mg/Kg		09/14/22 11:52	09/15/22 01:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/14/22 11:52	09/15/22 01:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				09/14/22 11:52	09/15/22 01:47	1
o-Terphenyl	107		70 - 130				09/14/22 11:52	09/15/22 01:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5410		49.7		mg/Kg			09/16/22 22:47	10

Client Sample ID: S-1 (7)

Lab Sample ID: 880-19191-14

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0402	U	0.0402		mg/Kg		09/15/22 09:02	09/17/22 10:36	20
Toluene	0.0632		0.0402		mg/Kg		09/15/22 09:02	09/17/22 10:36	20
Ethylbenzene	3.23		0.0402		mg/Kg		09/15/22 09:02	09/17/22 10:36	20
m-Xylene & p-Xylene	6.98		0.0805		mg/Kg		09/15/22 09:02	09/17/22 10:36	20
o-Xylene	2.91		0.0402		mg/Kg		09/15/22 09:02	09/17/22 10:36	20
Xylenes, Total	9.89		0.0805		mg/Kg		09/15/22 09:02	09/17/22 10:36	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	166	S1+	70 - 130	09/15/22 09:02	09/17/22 10:36	20
1,4-Difluorobenzene (Surr)	121		70 - 130	09/15/22 09:02	09/17/22 10:36	20

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Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-1 (7)

Lab Sample ID: 880-19191-14

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	13.2		0.0805		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3020		49.8		mg/Kg			09/15/22 09:50	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	1050		49.8		mg/Kg		09/14/22 11:52	09/15/22 01:25	1
Diesel Range Organics (Over C10-C28)	1970		49.8		mg/Kg		09/14/22 11:52	09/15/22 01:25	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/14/22 11:52	09/15/22 01:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				09/14/22 11:52	09/15/22 01:25	1
o-Terphenyl	110		70 - 130				09/14/22 11:52	09/15/22 01:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4750		49.7		mg/Kg			09/16/22 22:52	10

Client Sample ID: S-2 (0-6")

Lab Sample ID: 880-19191-15

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

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		09/15/22 09:02	09/17/22 07:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:02	09/17/22 07:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:02	09/17/22 07:31	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/15/22 09:02	09/17/22 07:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:02	09/17/22 07:31	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/15/22 09:02	09/17/22 07:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				09/15/22 09:02	09/17/22 07:31	1
1,4-Difluorobenzene (Surr)	103		70 - 130				09/15/22 09:02	09/17/22 07:31	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			09/19/22 09:16	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			09/15/22 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/14/22 11:52	09/14/22 21:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/14/22 11:52	09/14/22 21:51	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-2 (0-6")

Lab Sample ID: 880-19191-15

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/14/22 11:52	09/14/22 21:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				09/14/22 11:52	09/14/22 21:51	1
o-Terphenyl	109		70 - 130				09/14/22 11:52	09/14/22 21:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.2		5.01		mg/Kg			09/16/22 22:57	1

Client Sample ID: S-2 (1)

Lab Sample ID: 880-19191-16

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:02	09/17/22 07:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:02	09/17/22 07:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:02	09/17/22 07:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/15/22 09:02	09/17/22 07:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:02	09/17/22 07:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/15/22 09:02	09/17/22 07:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				09/15/22 09:02	09/17/22 07:52	1
1,4-Difluorobenzene (Surr)	102		70 - 130				09/15/22 09:02	09/17/22 07:52	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	50.4		50.0		mg/Kg			09/15/22 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/14/22 11:52	09/15/22 00:43	1
Diesel Range Organics (Over C10-C28)	50.4		50.0		mg/Kg		09/14/22 11:52	09/15/22 00:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/14/22 11:52	09/15/22 00:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				09/14/22 11:52	09/15/22 00:43	1
o-Terphenyl	112		70 - 130				09/14/22 11:52	09/15/22 00:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.6		5.00		mg/Kg			09/16/22 23:02	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-2 (1.5)

Lab Sample ID: 880-19191-17

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:02	09/17/22 08:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:02	09/17/22 08:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:02	09/17/22 08:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/15/22 09:02	09/17/22 08:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:02	09/17/22 08:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/15/22 09:02	09/17/22 08:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	09/15/22 09:02	09/17/22 08:12	1
1,4-Difluorobenzene (Surr)	105		70 - 130	09/15/22 09:02	09/17/22 08:12	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/19/22 09:16	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			09/15/22 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/14/22 11:52	09/14/22 22:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/14/22 11:52	09/14/22 22:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/14/22 11:52	09/14/22 22:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130	09/14/22 11:52	09/14/22 22:13	1
o-Terphenyl	111		70 - 130	09/14/22 11:52	09/14/22 22:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.8		4.99		mg/Kg			09/16/22 23:07	1

Client Sample ID: S-2 (2)

Lab Sample ID: 880-19191-18

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

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		09/15/22 09:02	09/17/22 08:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/15/22 09:02	09/17/22 08:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/15/22 09:02	09/17/22 08:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/15/22 09:02	09/17/22 08:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/15/22 09:02	09/17/22 08:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/15/22 09:02	09/17/22 08:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	09/15/22 09:02	09/17/22 08:33	1
1,4-Difluorobenzene (Surr)	108		70 - 130	09/15/22 09:02	09/17/22 08:33	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-2 (2)

Lab Sample ID: 880-19191-18

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/19/22 09:16	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			09/15/22 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/14/22 11:52	09/14/22 22:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/14/22 11:52	09/14/22 22:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/14/22 11:52	09/14/22 22:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				09/14/22 11:52	09/14/22 22:34	1
o-Terphenyl	106		70 - 130				09/14/22 11:52	09/14/22 22:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.4		4.96		mg/Kg			09/16/22 23:12	1

Client Sample ID: S-3 (0-6")

Lab Sample ID: 880-19191-19

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

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		09/15/22 09:02	09/17/22 08:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:02	09/17/22 08:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:02	09/17/22 08:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/15/22 09:02	09/17/22 08:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:02	09/17/22 08:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/15/22 09:02	09/17/22 08:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				09/15/22 09:02	09/17/22 08:53	1
1,4-Difluorobenzene (Surr)	108		70 - 130				09/15/22 09:02	09/17/22 08:53	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			09/19/22 09:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	189		49.8		mg/Kg			09/15/22 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/14/22 11:52	09/15/22 02:29	1
Diesel Range Organics (Over C10-C28)	189		49.8		mg/Kg		09/14/22 11:52	09/15/22 02:29	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-3 (0-6")

Lab Sample ID: 880-19191-19

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

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		09/14/22 11:52	09/15/22 02:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				09/14/22 11:52	09/15/22 02:29	1
o-Terphenyl	108		70 - 130				09/14/22 11:52	09/15/22 02:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.1		4.95		mg/Kg			09/16/22 23:17	1

Client Sample ID: S-4 (0-6")

Lab Sample ID: 880-19191-20

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

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		09/15/22 09:02	09/17/22 09:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:02	09/17/22 09:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:02	09/17/22 09:14	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/15/22 09:02	09/17/22 09:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:02	09/17/22 09:14	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/15/22 09:02	09/17/22 09:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				09/15/22 09:02	09/17/22 09:14	1
1,4-Difluorobenzene (Surr)	112		70 - 130				09/15/22 09:02	09/17/22 09:14	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/19/22 09:16	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			09/15/22 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/14/22 11:52	09/14/22 22:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/14/22 11:52	09/14/22 22:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/14/22 11:52	09/14/22 22:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				09/14/22 11:52	09/14/22 22:56	1
o-Terphenyl	103		70 - 130				09/14/22 11:52	09/14/22 22:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.4		5.00		mg/Kg			09/17/22 02:36	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: H-1 (0-6")

Lab Sample ID: 880-19191-21

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:07	09/18/22 08:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:07	09/18/22 08:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:07	09/18/22 08:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/15/22 09:07	09/18/22 08:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:07	09/18/22 08:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/15/22 09:07	09/18/22 08:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	09/15/22 09:07	09/18/22 08:23	1
1,4-Difluorobenzene (Surr)	90		70 - 130	09/15/22 09:07	09/18/22 08:23	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/19/22 09:16	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			09/15/22 09:50	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		09/14/22 11:55	09/14/22 22:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/14/22 11:55	09/14/22 22:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/14/22 11:55	09/14/22 22:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	09/14/22 11:55	09/14/22 22:34	1
o-Terphenyl	97		70 - 130	09/14/22 11:55	09/14/22 22:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.6		5.01		mg/Kg			09/17/22 02:51	1

Client Sample ID: H-2 (0-6")

Lab Sample ID: 880-19191-22

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:07	09/18/22 08:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:07	09/18/22 08:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:07	09/18/22 08:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/15/22 09:07	09/18/22 08:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:07	09/18/22 08:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/15/22 09:07	09/18/22 08:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	09/15/22 09:07	09/18/22 08:44	1
1,4-Difluorobenzene (Surr)	88		70 - 130	09/15/22 09:07	09/18/22 08:44	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: H-2 (0-6")

Lab Sample ID: 880-19191-22

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/19/22 09:16	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			09/15/22 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		09/14/22 11:55	09/14/22 22:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/14/22 11:55	09/14/22 22:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/14/22 11:55	09/14/22 22:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				09/14/22 11:55	09/14/22 22:56	1
o-Terphenyl	96		70 - 130				09/14/22 11:55	09/14/22 22:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.9		5.03		mg/Kg			09/17/22 02:56	1

Client Sample ID: H-3 (0-6")

Lab Sample ID: 880-19191-23

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

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		09/15/22 09:07	09/18/22 09:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/15/22 09:07	09/18/22 09:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/15/22 09:07	09/18/22 09:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/15/22 09:07	09/18/22 09:04	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/15/22 09:07	09/18/22 09:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/15/22 09:07	09/18/22 09:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				09/15/22 09:07	09/18/22 09:04	1
1,4-Difluorobenzene (Surr)	85		70 - 130				09/15/22 09:07	09/18/22 09:04	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			09/19/22 09:16	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			09/15/22 09:50	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		09/14/22 11:55	09/14/22 23:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/14/22 11:55	09/14/22 23:18	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: H-3 (0-6")

Lab Sample ID: 880-19191-23

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/14/22 11:55	09/14/22 23:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				09/14/22 11:55	09/14/22 23:18	1
o-Terphenyl	98		70 - 130				09/14/22 11:55	09/14/22 23:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.6		5.02		mg/Kg			09/17/22 03:01	1

Client Sample ID: H-4 (0-6")

Lab Sample ID: 880-19191-24

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

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		09/15/22 09:07	09/18/22 09:25	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/15/22 09:07	09/18/22 09:25	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/15/22 09:07	09/18/22 09:25	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/15/22 09:07	09/18/22 09:25	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/15/22 09:07	09/18/22 09:25	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/15/22 09:07	09/18/22 09:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				09/15/22 09:07	09/18/22 09:25	1
1,4-Difluorobenzene (Surr)	89		70 - 130				09/15/22 09:07	09/18/22 09:25	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/19/22 09:16	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			09/15/22 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		09/14/22 11:55	09/14/22 23:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/14/22 11:55	09/14/22 23:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/14/22 11:55	09/14/22 23:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				09/14/22 11:55	09/14/22 23:39	1
o-Terphenyl	100		70 - 130				09/14/22 11:55	09/14/22 23:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.1		4.99		mg/Kg			09/17/22 03:06	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: H-5 (0-6")

Lab Sample ID: 880-19191-25

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

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		09/15/22 09:07	09/18/22 09:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:07	09/18/22 09:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:07	09/18/22 09:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/15/22 09:07	09/18/22 09:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:07	09/18/22 09:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/15/22 09:07	09/18/22 09:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	09/15/22 09:07	09/18/22 09:45	1
1,4-Difluorobenzene (Surr)	90		70 - 130	09/15/22 09:07	09/18/22 09:45	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			09/19/22 09:16	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			09/15/22 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		09/14/22 11:55	09/15/22 00:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/14/22 11:55	09/15/22 00:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/14/22 11:55	09/15/22 00:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	09/14/22 11:55	09/15/22 00:01	1
o-Terphenyl	106		70 - 130	09/14/22 11:55	09/15/22 00:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.4		4.97		mg/Kg			09/17/22 03:20	1

Client Sample ID: H-6 (0-6")

Lab Sample ID: 880-19191-26

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:07	09/18/22 10:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:07	09/18/22 10:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:07	09/18/22 10:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/15/22 09:07	09/18/22 10:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/15/22 09:07	09/18/22 10:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/15/22 09:07	09/18/22 10:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	09/15/22 09:07	09/18/22 10:06	1
1,4-Difluorobenzene (Surr)	93		70 - 130	09/15/22 09:07	09/18/22 10:06	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: H-6 (0-6")

Lab Sample ID: 880-19191-26

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/19/22 09:16	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			09/15/22 09:50	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		09/14/22 11:55	09/15/22 00:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/14/22 11:55	09/15/22 00:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/14/22 11:55	09/15/22 00:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				09/14/22 11:55	09/15/22 00:22	1
o-Terphenyl	117		70 - 130				09/14/22 11:55	09/15/22 00:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.9		5.04		mg/Kg			09/17/22 03:25	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-19191-1	S-1 (0-6")	87	94
880-19191-1 MS	S-1 (0-6")	81	110
880-19191-1 MSD	S-1 (0-6")	108	91
880-19191-2	S-1 (1)	87	81
880-19191-3	S-1 (1.5)	122	99
880-19191-4	S-1 (2)	102	116
880-19191-5	S-1 (2.5)	96	105
880-19191-6	S-1 (3)	106	93
880-19191-7	S-1 (3.5)	118	98
880-19191-8	S-1 (4)	122	85
880-19191-9	S-1 (4.5)	111	80
880-19191-10	S-1 (5)	136 S1+	100
880-19191-11	S-1 (5.5)	106	90
880-19191-12	S-1 (6)	94	88
880-19191-13	S-1 (6.5)	295 S1+	176 S1+
880-19191-14	S-1 (7)	166 S1+	121
880-19191-15	S-2 (0-6")	110	103
880-19191-16	S-2 (1)	109	102
880-19191-17	S-2 (1.5)	106	105
880-19191-18	S-2 (2)	104	108
880-19191-19	S-3 (0-6")	106	108
880-19191-20	S-4 (0-6")	108	112
880-19191-21	H-1 (0-6")	108	90
880-19191-22	H-2 (0-6")	109	88
880-19191-23	H-3 (0-6")	114	85
880-19191-24	H-4 (0-6")	112	89
880-19191-25	H-5 (0-6")	110	90
880-19191-26	H-6 (0-6")	109	93
880-19317-A-1-G MS	Matrix Spike	108	94
880-19317-A-1-H MSD	Matrix Spike Duplicate	106	99
890-2885-A-1-J MS	Matrix Spike	117	107
890-2885-A-1-K MSD	Matrix Spike Duplicate	115	112
LCS 880-34555/1-A	Lab Control Sample	101	102
LCS 880-34556/1-A	Lab Control Sample	118	90
LCS 880-34693/1-A	Lab Control Sample	107	98
LCSD 880-34555/2-A	Lab Control Sample Dup	101	104
LCSD 880-34556/2-A	Lab Control Sample Dup	117	104
LCSD 880-34693/2-A	Lab Control Sample Dup	106	99
MB 880-34410/5-B	Method Blank	104	117
MB 880-34555/5-A	Method Blank	105	110
MB 880-34556/5-A	Method Blank	97	84
MB 880-34593/5-A	Method Blank	95	87
MB 880-34645/5-A	Method Blank	103	116
MB 880-34693/5-A	Method Blank	101	112

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-19191-1

Project/Site: Bid Eddy SWD

SDG: Lea Co, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-19130-A-12-E MS	Matrix Spike	92	84
880-19130-A-12-F MSD	Matrix Spike Duplicate	94	87
880-19191-1	S-1 (0-6")	112	103
880-19191-2	S-1 (1)	115	107
880-19191-3	S-1 (1.5)	112	104
880-19191-4	S-1 (2)	112	108
880-19191-5	S-1 (2.5)	116	108
880-19191-6	S-1 (3)	117	107
880-19191-7	S-1 (3.5)	118	112
880-19191-7 MS	S-1 (3.5)	103	99
880-19191-7 MSD	S-1 (3.5)	126	104
880-19191-8	S-1 (4)	115	109
880-19191-9	S-1 (4.5)	134 S1+	126
880-19191-10	S-1 (5)	125	112
880-19191-11	S-1 (5.5)	121	120
880-19191-12	S-1 (6)	118	106
880-19191-13	S-1 (6.5)	121	107
880-19191-14	S-1 (7)	121	110
880-19191-15	S-2 (0-6")	112	109
880-19191-16	S-2 (1)	115	112
880-19191-17	S-2 (1.5)	120	111
880-19191-18	S-2 (2)	110	106
880-19191-19	S-3 (0-6")	117	108
880-19191-20	S-4 (0-6")	112	103
880-19191-21	H-1 (0-6")	98	97
880-19191-22	H-2 (0-6")	95	96
880-19191-23	H-3 (0-6")	98	98
880-19191-24	H-4 (0-6")	100	100
880-19191-25	H-5 (0-6")	107	106
880-19191-26	H-6 (0-6")	120	117
LCS 880-34494/2-A	Lab Control Sample	121	111
LCS 880-34495/2-A	Lab Control Sample	147 S1+	151 S1+
LCSD 880-34494/3-A	Lab Control Sample Dup	127	108
LCSD 880-34495/3-A	Lab Control Sample Dup	127	130
MB 880-34494/1-A	Method Blank	127	121
MB 880-34495/1-A	Method Blank	121	125

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

Matrix: Solid

Analysis Batch: 34745

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 34410

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/13/22 14:00	09/18/22 17:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/13/22 14:00	09/18/22 17:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/13/22 14:00	09/18/22 17:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/13/22 14:00	09/18/22 17:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/13/22 14:00	09/18/22 17:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/13/22 14:00	09/18/22 17:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	09/13/22 14:00	09/18/22 17:48	1
1,4-Difluorobenzene (Surr)	117		70 - 130	09/13/22 14:00	09/18/22 17:48	1

Lab Sample ID: MB 880-34555/5-A

Matrix: Solid

Analysis Batch: 34644

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 34555

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:02	09/17/22 02:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:02	09/17/22 02:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:02	09/17/22 02:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/15/22 09:02	09/17/22 02:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:02	09/17/22 02:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/15/22 09:02	09/17/22 02:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	09/15/22 09:02	09/17/22 02:09	1
1,4-Difluorobenzene (Surr)	110		70 - 130	09/15/22 09:02	09/17/22 02:09	1

Lab Sample ID: LCS 880-34555/1-A

Matrix: Solid

Analysis Batch: 34644

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 34555

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09221		mg/Kg		92	70 - 130
Toluene	0.100	0.09137		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.08757		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	0.200	0.1849		mg/Kg		92	70 - 130
o-Xylene	0.100	0.09430		mg/Kg		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-34555/2-A

Matrix: Solid

Analysis Batch: 34644

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 34555

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09503		mg/Kg		95	70 - 130	3	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

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

Lab Sample ID: LCSD 880-34555/2-A

Matrix: Solid

Analysis Batch: 34644

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 34555

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.08737		mg/Kg		87	70 - 130	4	35
Ethylbenzene	0.100	0.08348		mg/Kg		83	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.1771		mg/Kg		89	70 - 130	4	35
o-Xylene	0.100	0.09157		mg/Kg		92	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-19191-1 MS

Matrix: Solid

Analysis Batch: 34644

Client Sample ID: S-1 (0-6")

Prep Type: Total/NA

Prep Batch: 34555

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	81		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-19191-1 MSD

Matrix: Solid

Analysis Batch: 34644

Client Sample ID: S-1 (0-6")

Prep Type: Total/NA

Prep Batch: 34555

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: MB 880-34556/5-A

Matrix: Solid

Analysis Batch: 34713

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 34556

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:07	09/18/22 02:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:07	09/18/22 02:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:07	09/18/22 02:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/15/22 09:07	09/18/22 02:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/15/22 09:07	09/18/22 02:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/15/22 09:07	09/18/22 02:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	09/15/22 09:07	09/18/22 02:15	1
1,4-Difluorobenzene (Surr)	84		70 - 130	09/15/22 09:07	09/18/22 02:15	1

Lab Sample ID: LCS 880-34556/1-A

Matrix: Solid

Analysis Batch: 34713

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 34556

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07664		mg/Kg		77	70 - 130
Toluene	0.100	0.07821		mg/Kg		78	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-34556/1-A

Matrix: Solid

Analysis Batch: 34713

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 34556

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Ethylbenzene	0.100	0.08698		mg/Kg		87	70 - 130	
m-Xylene & p-Xylene	0.200	0.1695		mg/Kg		85	70 - 130	
o-Xylene	0.100	0.09705		mg/Kg		97	70 - 130	

Surrogate	LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: LCSD 880-34556/2-A

Matrix: Solid

Analysis Batch: 34713

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 34556

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD	
									RPD	Limit
Benzene	0.100	0.08292		mg/Kg		83	70 - 130		8	35
Toluene	0.100	0.07568		mg/Kg		76	70 - 130		3	35
Ethylbenzene	0.100	0.08414		mg/Kg		84	70 - 130		3	35
m-Xylene & p-Xylene	0.200	0.1717		mg/Kg		86	70 - 130		1	35
o-Xylene	0.100	0.09910		mg/Kg		99	70 - 130		2	35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 890-2885-A-1-J MS

Matrix: Solid

Analysis Batch: 34713

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 34556

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene	<0.00201	U F1	0.0998	0.06663	F1	mg/Kg		67	70 - 130	
Toluene	<0.00201	U F1	0.0998	0.03540	F1	mg/Kg		35	70 - 130	
Ethylbenzene	<0.00201	U F1	0.0998	0.02660	F1	mg/Kg		27	70 - 130	
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.02588	F1	mg/Kg		13	70 - 130	
o-Xylene	<0.00201	U F1	0.0998	0.02449	F1	mg/Kg		25	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 890-2885-A-1-K MSD

Matrix: Solid

Analysis Batch: 34713

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 34556

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD	
											RPD	Limit
Benzene	<0.00201	U F1	0.0996	0.06266	F1	mg/Kg		63	70 - 130		6	35
Toluene	<0.00201	U F1	0.0996	0.02895	F1	mg/Kg		29	70 - 130		20	35
Ethylbenzene	<0.00201	U F1	0.0996	0.02169	F1	mg/Kg		22	70 - 130		20	35
m-Xylene & p-Xylene	<0.00402	U F1	0.199	0.02201	F1	mg/Kg		11	70 - 130		16	35
o-Xylene	<0.00201	U F1	0.0996	0.01975	F1	mg/Kg		20	70 - 130		21	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

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

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: MB 880-34593/5-A

Matrix: Solid

Analysis Batch: 34713

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 34593

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/15/22 13:32	09/17/22 15:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/15/22 13:32	09/17/22 15:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/15/22 13:32	09/17/22 15:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/15/22 13:32	09/17/22 15:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/15/22 13:32	09/17/22 15:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/15/22 13:32	09/17/22 15:41	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	95		70 - 130	09/15/22 13:32	09/17/22 15:41	1			
1,4-Difluorobenzene (Surr)	87		70 - 130	09/15/22 13:32	09/17/22 15:41	1			

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

Matrix: Solid

Analysis Batch: 34644

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 34645

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

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

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

Matrix: Solid

Analysis Batch: 34745

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 34693

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

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

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QC Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

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

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

Matrix: Solid

Analysis Batch: 34745

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 34693

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

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

Matrix: Solid

Analysis Batch: 34745

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 34693

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

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

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

Matrix: Solid

Analysis Batch: 34745

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 34693

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

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

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

Matrix: Solid

Analysis Batch: 34745

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 34693

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.100	0.07072		mg/Kg		70	70 - 130	9	35
Toluene	<0.00199	U F1	0.100	0.05975	F1	mg/Kg		60	70 - 130	1	35
Ethylbenzene	<0.00199	U F1	0.100	0.05638	F1	mg/Kg		56	70 - 130	6	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

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

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

Matrix: Solid

Analysis Batch: 34745

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 34693

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00398	U F1	0.201	0.1156	F1	mg/Kg		58	70 - 130	5	35
o-Xylene	<0.00199	U F1	0.100	0.06056	F1	mg/Kg		60	70 - 130	7	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	106		70 - 130								
1,4-Difluorobenzene (Surr)	99		70 - 130								

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

Lab Sample ID: MB 880-34494/1-A

Matrix: Solid

Analysis Batch: 34437

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 34494

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/14/22 11:52	09/14/22 19:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/14/22 11:52	09/14/22 19:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/14/22 11:52	09/14/22 19:42	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				09/14/22 11:52	09/14/22 19:42	1
o-Terphenyl	121		70 - 130				09/14/22 11:52	09/14/22 19:42	1

Lab Sample ID: LCS 880-34494/2-A

Matrix: Solid

Analysis Batch: 34437

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 34494

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	911.1		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1037		mg/Kg		104	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	121		70 - 130						
o-Terphenyl	111		70 - 130						

Lab Sample ID: LCSD 880-34494/3-A

Matrix: Solid

Analysis Batch: 34437

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 34494

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	864.9		mg/Kg		86	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	1002		mg/Kg		100	70 - 130	3	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

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

Lab Sample ID: LCSD 880-34494/3-A

Matrix: Solid

Analysis Batch: 34437

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 34494

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	127		70 - 130
o-Terphenyl	108		70 - 130

Lab Sample ID: 880-19191-7 MS

Matrix: Solid

Analysis Batch: 34437

Client Sample ID: S-1 (3.5)

Prep Type: Total/NA

Prep Batch: 34494

	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	996	1107		mg/Kg		111	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	996	1200		mg/Kg		120	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	103		70 - 130							
o-Terphenyl	99		70 - 130							

Lab Sample ID: 880-19191-7 MSD

Matrix: Solid

Analysis Batch: 34437

Client Sample ID: S-1 (3.5)

Prep Type: Total/NA

Prep Batch: 34494

	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	999	1029		mg/Kg		103	70 - 130	7	20	
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1276		mg/Kg		128	70 - 130	6	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	126		70 - 130									
o-Terphenyl	104		70 - 130									

Lab Sample ID: MB 880-34495/1-A

Matrix: Solid

Analysis Batch: 34439

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 34495

	MB	MB									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/14/22 11:55	09/14/22 19:42	1		
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/14/22 11:55	09/14/22 19:42	1		
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/14/22 11:55	09/14/22 19:42	1		
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac		
1-Chlorooctane	121		70 - 130				09/14/22 11:55	09/14/22 19:42	1		
o-Terphenyl	125		70 - 130				09/14/22 11:55	09/14/22 19:42	1		

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QC Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-34495/2-A

Matrix: Solid

Analysis Batch: 34439

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 34495

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec	Limits	
			Added	Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10			1000	1079		mg/Kg		108		70 - 130	
Diesel Range Organics (Over C10-C28)			1000	1089		mg/Kg		109		70 - 130	

Lab Sample ID: LCSD 880-34495/3-A

Matrix: Solid

Analysis Batch: 34439

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 34495

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	874.7	*1	mg/Kg		87	70 - 130	21	20
Diesel Range Organics (Over C10-C28)			1000	949.4		mg/Kg		95	70 - 130	14	20
			LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	127		70 - 130								
o-Terphenyl	130		70 - 130								

Lab Sample ID: 880-19130-A-12-E MS

Matrix: Solid

Analysis Batch: 34439

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 34495

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1 F1	996	611.6	F1	mg/Kg		59	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	996	885.8		mg/Kg		86	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	92		70 - 130								
o-Terphenyl	84		70 - 130								

Lab Sample ID: 880-19130-A-12-F MSD

Matrix: Solid

Analysis Batch: 34439

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 34495

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1 F1	999	623.4	F1	mg/Kg		60	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	911.6		mg/Kg		89	70 - 130	3	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	94		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-19130-A-12-F MSD

Matrix: Solid

Analysis Batch: 34439

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 34495

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	87		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-34502/1-A

Matrix: Solid

Analysis Batch: 34680

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Chloride	<5.00	U	5.00		mg/Kg			09/16/22 20:51	1	

Lab Sample ID: LCS 880-34502/2-A

Matrix: Solid

Analysis Batch: 34680

Client Sample ID: Lab Control Sample

Prep Type: Soluble

			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride			250	253.3		mg/Kg		101	90 - 110	

Lab Sample ID: LCSD 880-34502/3-A

Matrix: Solid

Analysis Batch: 34680

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	254.2		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-19191-10 MS

Matrix: Solid

Analysis Batch: 34680

Client Sample ID: S-1 (5)

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	394		251	666.9		mg/Kg		109	90 - 110		

Lab Sample ID: 880-19191-10 MSD

Matrix: Solid

Analysis Batch: 34680

Client Sample ID: S-1 (5)

Prep Type: Soluble

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	394		251	666.6		mg/Kg		108	90 - 110	0	20

Lab Sample ID: MB 880-34504/1-A

Matrix: Solid

Analysis Batch: 34704

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Chloride	<5.00	U	5.00		mg/Kg			09/17/22 02:22	1	

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QC Sample Results

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-34504/2-A
Matrix: Solid
Analysis Batch: 34704

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	254.6		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-34504/3-A
Matrix: Solid
Analysis Batch: 34704

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	255.2		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-19191-20 MS
Matrix: Solid
Analysis Batch: 34704

Client Sample ID: S-4 (0-6")
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	49.4		250	295.8		mg/Kg		99	90 - 110

Lab Sample ID: 880-19191-20 MSD
Matrix: Solid
Analysis Batch: 34704

Client Sample ID: S-4 (0-6")
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	49.4		250	297.1		mg/Kg		99	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 34410

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

Prep Batch: 34555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-1	S-1 (0-6")	Total/NA	Solid	5035	
880-19191-3	S-1 (1.5)	Total/NA	Solid	5035	
880-19191-4	S-1 (2)	Total/NA	Solid	5035	
880-19191-5	S-1 (2.5)	Total/NA	Solid	5035	
880-19191-6	S-1 (3)	Total/NA	Solid	5035	
880-19191-7	S-1 (3.5)	Total/NA	Solid	5035	
880-19191-8	S-1 (4)	Total/NA	Solid	5035	
880-19191-9	S-1 (4.5)	Total/NA	Solid	5035	
880-19191-10	S-1 (5)	Total/NA	Solid	5035	
880-19191-11	S-1 (5.5)	Total/NA	Solid	5035	
880-19191-12	S-1 (6)	Total/NA	Solid	5035	
880-19191-13	S-1 (6.5)	Total/NA	Solid	5035	
880-19191-14	S-1 (7)	Total/NA	Solid	5035	
880-19191-15	S-2 (0-6")	Total/NA	Solid	5035	
880-19191-16	S-2 (1)	Total/NA	Solid	5035	
880-19191-17	S-2 (1.5)	Total/NA	Solid	5035	
880-19191-18	S-2 (2)	Total/NA	Solid	5035	
880-19191-19	S-3 (0-6")	Total/NA	Solid	5035	
880-19191-20	S-4 (0-6")	Total/NA	Solid	5035	
MB 880-34555/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-34555/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-34555/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-19191-1 MS	S-1 (0-6")	Total/NA	Solid	5035	
880-19191-1 MSD	S-1 (0-6")	Total/NA	Solid	5035	

Prep Batch: 34556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-21	H-1 (0-6")	Total/NA	Solid	5035	
880-19191-22	H-2 (0-6")	Total/NA	Solid	5035	
880-19191-23	H-3 (0-6")	Total/NA	Solid	5035	
880-19191-24	H-4 (0-6")	Total/NA	Solid	5035	
880-19191-25	H-5 (0-6")	Total/NA	Solid	5035	
880-19191-26	H-6 (0-6")	Total/NA	Solid	5035	
MB 880-34556/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-34556/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-34556/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2885-A-1-J MS	Matrix Spike	Total/NA	Solid	5035	
890-2885-A-1-K MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 34593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-34593/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 34644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-1	S-1 (0-6")	Total/NA	Solid	8021B	34555
880-19191-3	S-1 (1.5)	Total/NA	Solid	8021B	34555

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QC Association Summary

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

GC VOA (Continued)

Analysis Batch: 34644 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-4	S-1 (2)	Total/NA	Solid	8021B	34555
880-19191-5	S-1 (2.5)	Total/NA	Solid	8021B	34555
880-19191-6	S-1 (3)	Total/NA	Solid	8021B	34555
880-19191-7	S-1 (3.5)	Total/NA	Solid	8021B	34555
880-19191-8	S-1 (4)	Total/NA	Solid	8021B	34555
880-19191-9	S-1 (4.5)	Total/NA	Solid	8021B	34555
880-19191-10	S-1 (5)	Total/NA	Solid	8021B	34555
880-19191-11	S-1 (5.5)	Total/NA	Solid	8021B	34555
880-19191-12	S-1 (6)	Total/NA	Solid	8021B	34555
880-19191-13	S-1 (6.5)	Total/NA	Solid	8021B	34555
880-19191-14	S-1 (7)	Total/NA	Solid	8021B	34555
880-19191-15	S-2 (0-6")	Total/NA	Solid	8021B	34555
880-19191-16	S-2 (1)	Total/NA	Solid	8021B	34555
880-19191-17	S-2 (1.5)	Total/NA	Solid	8021B	34555
880-19191-18	S-2 (2)	Total/NA	Solid	8021B	34555
880-19191-19	S-3 (0-6")	Total/NA	Solid	8021B	34555
880-19191-20	S-4 (0-6")	Total/NA	Solid	8021B	34555
MB 880-34555/5-A	Method Blank	Total/NA	Solid	8021B	34555
MB 880-34645/5-A	Method Blank	Total/NA	Solid	8021B	34645
LCS 880-34555/1-A	Lab Control Sample	Total/NA	Solid	8021B	34555
LCSD 880-34555/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	34555
880-19191-1 MS	S-1 (0-6")	Total/NA	Solid	8021B	34555
880-19191-1 MSD	S-1 (0-6")	Total/NA	Solid	8021B	34555

Prep Batch: 34645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-34645/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 34693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-2	S-1 (1)	Total/NA	Solid	5035	
MB 880-34693/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-34693/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-34693/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-19317-A-1-G MS	Matrix Spike	Total/NA	Solid	5035	
880-19317-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 34713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-21	H-1 (0-6")	Total/NA	Solid	8021B	34556
880-19191-22	H-2 (0-6")	Total/NA	Solid	8021B	34556
880-19191-23	H-3 (0-6")	Total/NA	Solid	8021B	34556
880-19191-24	H-4 (0-6")	Total/NA	Solid	8021B	34556
880-19191-25	H-5 (0-6")	Total/NA	Solid	8021B	34556
880-19191-26	H-6 (0-6")	Total/NA	Solid	8021B	34556
MB 880-34556/5-A	Method Blank	Total/NA	Solid	8021B	34556
MB 880-34593/5-A	Method Blank	Total/NA	Solid	8021B	34593
LCS 880-34556/1-A	Lab Control Sample	Total/NA	Solid	8021B	34556
LCSD 880-34556/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	34556
890-2885-A-1-J MS	Matrix Spike	Total/NA	Solid	8021B	34556
890-2885-A-1-K MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	34556

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

GC VOA

Analysis Batch: 34745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-2	S-1 (1)	Total/NA	Solid	8021B	34693
MB 880-34410/5-B	Method Blank	Total/NA	Solid	8021B	34410
MB 880-34693/5-A	Method Blank	Total/NA	Solid	8021B	34693
LCS 880-34693/1-A	Lab Control Sample	Total/NA	Solid	8021B	34693
LCSD 880-34693/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	34693
880-19317-A-1-G MS	Matrix Spike	Total/NA	Solid	8021B	34693
880-19317-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	34693

Analysis Batch: 34759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-1	S-1 (0-6")	Total/NA	Solid	Total BTEX	
880-19191-2	S-1 (1)	Total/NA	Solid	Total BTEX	
880-19191-3	S-1 (1.5)	Total/NA	Solid	Total BTEX	
880-19191-4	S-1 (2)	Total/NA	Solid	Total BTEX	
880-19191-5	S-1 (2.5)	Total/NA	Solid	Total BTEX	
880-19191-6	S-1 (3)	Total/NA	Solid	Total BTEX	
880-19191-7	S-1 (3.5)	Total/NA	Solid	Total BTEX	
880-19191-8	S-1 (4)	Total/NA	Solid	Total BTEX	
880-19191-9	S-1 (4.5)	Total/NA	Solid	Total BTEX	
880-19191-10	S-1 (5)	Total/NA	Solid	Total BTEX	
880-19191-11	S-1 (5.5)	Total/NA	Solid	Total BTEX	
880-19191-12	S-1 (6)	Total/NA	Solid	Total BTEX	
880-19191-13	S-1 (6.5)	Total/NA	Solid	Total BTEX	
880-19191-14	S-1 (7)	Total/NA	Solid	Total BTEX	
880-19191-15	S-2 (0-6")	Total/NA	Solid	Total BTEX	
880-19191-16	S-2 (1)	Total/NA	Solid	Total BTEX	
880-19191-17	S-2 (1.5)	Total/NA	Solid	Total BTEX	
880-19191-18	S-2 (2)	Total/NA	Solid	Total BTEX	
880-19191-19	S-3 (0-6")	Total/NA	Solid	Total BTEX	
880-19191-20	S-4 (0-6")	Total/NA	Solid	Total BTEX	
880-19191-21	H-1 (0-6")	Total/NA	Solid	Total BTEX	
880-19191-22	H-2 (0-6")	Total/NA	Solid	Total BTEX	
880-19191-23	H-3 (0-6")	Total/NA	Solid	Total BTEX	
880-19191-24	H-4 (0-6")	Total/NA	Solid	Total BTEX	
880-19191-25	H-5 (0-6")	Total/NA	Solid	Total BTEX	
880-19191-26	H-6 (0-6")	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 34437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-1	S-1 (0-6")	Total/NA	Solid	8015B NM	34494
880-19191-2	S-1 (1)	Total/NA	Solid	8015B NM	34494
880-19191-3	S-1 (1.5)	Total/NA	Solid	8015B NM	34494
880-19191-4	S-1 (2)	Total/NA	Solid	8015B NM	34494
880-19191-5	S-1 (2.5)	Total/NA	Solid	8015B NM	34494
880-19191-6	S-1 (3)	Total/NA	Solid	8015B NM	34494
880-19191-7	S-1 (3.5)	Total/NA	Solid	8015B NM	34494
880-19191-8	S-1 (4)	Total/NA	Solid	8015B NM	34494
880-19191-9	S-1 (4.5)	Total/NA	Solid	8015B NM	34494
880-19191-10	S-1 (5)	Total/NA	Solid	8015B NM	34494

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QC Association Summary

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 34437 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-11	S-1 (5.5)	Total/NA	Solid	8015B NM	34494
880-19191-12	S-1 (6)	Total/NA	Solid	8015B NM	34494
880-19191-13	S-1 (6.5)	Total/NA	Solid	8015B NM	34494
880-19191-14	S-1 (7)	Total/NA	Solid	8015B NM	34494
880-19191-15	S-2 (0-6")	Total/NA	Solid	8015B NM	34494
880-19191-16	S-2 (1)	Total/NA	Solid	8015B NM	34494
880-19191-17	S-2 (1.5)	Total/NA	Solid	8015B NM	34494
880-19191-18	S-2 (2)	Total/NA	Solid	8015B NM	34494
880-19191-19	S-3 (0-6")	Total/NA	Solid	8015B NM	34494
880-19191-20	S-4 (0-6")	Total/NA	Solid	8015B NM	34494
MB 880-34494/1-A	Method Blank	Total/NA	Solid	8015B NM	34494
LCS 880-34494/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	34494
LCSD 880-34494/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	34494
880-19191-7 MS	S-1 (3.5)	Total/NA	Solid	8015B NM	34494
880-19191-7 MSD	S-1 (3.5)	Total/NA	Solid	8015B NM	34494

Analysis Batch: 34439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-21	H-1 (0-6")	Total/NA	Solid	8015B NM	34495
880-19191-22	H-2 (0-6")	Total/NA	Solid	8015B NM	34495
880-19191-23	H-3 (0-6")	Total/NA	Solid	8015B NM	34495
880-19191-24	H-4 (0-6")	Total/NA	Solid	8015B NM	34495
880-19191-25	H-5 (0-6")	Total/NA	Solid	8015B NM	34495
880-19191-26	H-6 (0-6")	Total/NA	Solid	8015B NM	34495
MB 880-34495/1-A	Method Blank	Total/NA	Solid	8015B NM	34495
LCS 880-34495/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	34495
LCSD 880-34495/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	34495
880-19130-A-12-E MS	Matrix Spike	Total/NA	Solid	8015B NM	34495
880-19130-A-12-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	34495

Prep Batch: 34494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-1	S-1 (0-6")	Total/NA	Solid	8015NM Prep	
880-19191-2	S-1 (1)	Total/NA	Solid	8015NM Prep	
880-19191-3	S-1 (1.5)	Total/NA	Solid	8015NM Prep	
880-19191-4	S-1 (2)	Total/NA	Solid	8015NM Prep	
880-19191-5	S-1 (2.5)	Total/NA	Solid	8015NM Prep	
880-19191-6	S-1 (3)	Total/NA	Solid	8015NM Prep	
880-19191-7	S-1 (3.5)	Total/NA	Solid	8015NM Prep	
880-19191-8	S-1 (4)	Total/NA	Solid	8015NM Prep	
880-19191-9	S-1 (4.5)	Total/NA	Solid	8015NM Prep	
880-19191-10	S-1 (5)	Total/NA	Solid	8015NM Prep	
880-19191-11	S-1 (5.5)	Total/NA	Solid	8015NM Prep	
880-19191-12	S-1 (6)	Total/NA	Solid	8015NM Prep	
880-19191-13	S-1 (6.5)	Total/NA	Solid	8015NM Prep	
880-19191-14	S-1 (7)	Total/NA	Solid	8015NM Prep	
880-19191-15	S-2 (0-6")	Total/NA	Solid	8015NM Prep	
880-19191-16	S-2 (1)	Total/NA	Solid	8015NM Prep	
880-19191-17	S-2 (1.5)	Total/NA	Solid	8015NM Prep	
880-19191-18	S-2 (2)	Total/NA	Solid	8015NM Prep	
880-19191-19	S-3 (0-6")	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Prep Batch: 34494 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-20	S-4 (0-6")	Total/NA	Solid	8015NM Prep	
MB 880-34494/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-34494/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-34494/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-19191-7 MS	S-1 (3.5)	Total/NA	Solid	8015NM Prep	
880-19191-7 MSD	S-1 (3.5)	Total/NA	Solid	8015NM Prep	

Prep Batch: 34495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-21	H-1 (0-6")	Total/NA	Solid	8015NM Prep	
880-19191-22	H-2 (0-6")	Total/NA	Solid	8015NM Prep	
880-19191-23	H-3 (0-6")	Total/NA	Solid	8015NM Prep	
880-19191-24	H-4 (0-6")	Total/NA	Solid	8015NM Prep	
880-19191-25	H-5 (0-6")	Total/NA	Solid	8015NM Prep	
880-19191-26	H-6 (0-6")	Total/NA	Solid	8015NM Prep	
MB 880-34495/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-34495/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-34495/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-19130-A-12-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-19130-A-12-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 34562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-1	S-1 (0-6")	Total/NA	Solid	8015 NM	
880-19191-2	S-1 (1)	Total/NA	Solid	8015 NM	
880-19191-3	S-1 (1.5)	Total/NA	Solid	8015 NM	
880-19191-4	S-1 (2)	Total/NA	Solid	8015 NM	
880-19191-5	S-1 (2.5)	Total/NA	Solid	8015 NM	
880-19191-6	S-1 (3)	Total/NA	Solid	8015 NM	
880-19191-7	S-1 (3.5)	Total/NA	Solid	8015 NM	
880-19191-8	S-1 (4)	Total/NA	Solid	8015 NM	
880-19191-9	S-1 (4.5)	Total/NA	Solid	8015 NM	
880-19191-10	S-1 (5)	Total/NA	Solid	8015 NM	
880-19191-11	S-1 (5.5)	Total/NA	Solid	8015 NM	
880-19191-12	S-1 (6)	Total/NA	Solid	8015 NM	
880-19191-13	S-1 (6.5)	Total/NA	Solid	8015 NM	
880-19191-14	S-1 (7)	Total/NA	Solid	8015 NM	
880-19191-15	S-2 (0-6")	Total/NA	Solid	8015 NM	
880-19191-16	S-2 (1)	Total/NA	Solid	8015 NM	
880-19191-17	S-2 (1.5)	Total/NA	Solid	8015 NM	
880-19191-18	S-2 (2)	Total/NA	Solid	8015 NM	
880-19191-19	S-3 (0-6")	Total/NA	Solid	8015 NM	
880-19191-20	S-4 (0-6")	Total/NA	Solid	8015 NM	
880-19191-21	H-1 (0-6")	Total/NA	Solid	8015 NM	
880-19191-22	H-2 (0-6")	Total/NA	Solid	8015 NM	
880-19191-23	H-3 (0-6")	Total/NA	Solid	8015 NM	
880-19191-24	H-4 (0-6")	Total/NA	Solid	8015 NM	
880-19191-25	H-5 (0-6")	Total/NA	Solid	8015 NM	
880-19191-26	H-6 (0-6")	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

HPLC/IC

Leach Batch: 34502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-1	S-1 (0-6")	Soluble	Solid	DI Leach	
880-19191-2	S-1 (1)	Soluble	Solid	DI Leach	
880-19191-3	S-1 (1.5)	Soluble	Solid	DI Leach	
880-19191-4	S-1 (2)	Soluble	Solid	DI Leach	
880-19191-5	S-1 (2.5)	Soluble	Solid	DI Leach	
880-19191-6	S-1 (3)	Soluble	Solid	DI Leach	
880-19191-7	S-1 (3.5)	Soluble	Solid	DI Leach	
880-19191-8	S-1 (4)	Soluble	Solid	DI Leach	
880-19191-9	S-1 (4.5)	Soluble	Solid	DI Leach	
880-19191-10	S-1 (5)	Soluble	Solid	DI Leach	
880-19191-11	S-1 (5.5)	Soluble	Solid	DI Leach	
880-19191-12	S-1 (6)	Soluble	Solid	DI Leach	
880-19191-13	S-1 (6.5)	Soluble	Solid	DI Leach	
880-19191-14	S-1 (7)	Soluble	Solid	DI Leach	
880-19191-15	S-2 (0-6")	Soluble	Solid	DI Leach	
880-19191-16	S-2 (1)	Soluble	Solid	DI Leach	
880-19191-17	S-2 (1.5)	Soluble	Solid	DI Leach	
880-19191-18	S-2 (2)	Soluble	Solid	DI Leach	
880-19191-19	S-3 (0-6")	Soluble	Solid	DI Leach	
MB 880-34502/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-34502/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-34502/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-19191-10 MS	S-1 (5)	Soluble	Solid	DI Leach	
880-19191-10 MSD	S-1 (5)	Soluble	Solid	DI Leach	

Leach Batch: 34504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-20	S-4 (0-6")	Soluble	Solid	DI Leach	
880-19191-21	H-1 (0-6")	Soluble	Solid	DI Leach	
880-19191-22	H-2 (0-6")	Soluble	Solid	DI Leach	
880-19191-23	H-3 (0-6")	Soluble	Solid	DI Leach	
880-19191-24	H-4 (0-6")	Soluble	Solid	DI Leach	
880-19191-25	H-5 (0-6")	Soluble	Solid	DI Leach	
880-19191-26	H-6 (0-6")	Soluble	Solid	DI Leach	
MB 880-34504/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-34504/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-34504/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-19191-20 MS	S-4 (0-6")	Soluble	Solid	DI Leach	
880-19191-20 MSD	S-4 (0-6")	Soluble	Solid	DI Leach	

Analysis Batch: 34680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-1	S-1 (0-6")	Soluble	Solid	300.0	34502
880-19191-2	S-1 (1)	Soluble	Solid	300.0	34502
880-19191-3	S-1 (1.5)	Soluble	Solid	300.0	34502
880-19191-4	S-1 (2)	Soluble	Solid	300.0	34502
880-19191-5	S-1 (2.5)	Soluble	Solid	300.0	34502
880-19191-6	S-1 (3)	Soluble	Solid	300.0	34502
880-19191-7	S-1 (3.5)	Soluble	Solid	300.0	34502
880-19191-8	S-1 (4)	Soluble	Solid	300.0	34502
880-19191-9	S-1 (4.5)	Soluble	Solid	300.0	34502

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Analysis Batch: 34680 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-10	S-1 (5)	Soluble	Solid	300.0	34502
880-19191-11	S-1 (5.5)	Soluble	Solid	300.0	34502
880-19191-12	S-1 (6)	Soluble	Solid	300.0	34502
880-19191-13	S-1 (6.5)	Soluble	Solid	300.0	34502
880-19191-14	S-1 (7)	Soluble	Solid	300.0	34502
880-19191-15	S-2 (0-6")	Soluble	Solid	300.0	34502
880-19191-16	S-2 (1)	Soluble	Solid	300.0	34502
880-19191-17	S-2 (1.5)	Soluble	Solid	300.0	34502
880-19191-18	S-2 (2)	Soluble	Solid	300.0	34502
880-19191-19	S-3 (0-6")	Soluble	Solid	300.0	34502
MB 880-34502/1-A	Method Blank	Soluble	Solid	300.0	34502
LCS 880-34502/2-A	Lab Control Sample	Soluble	Solid	300.0	34502
LCSD 880-34502/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	34502
880-19191-10 MS	S-1 (5)	Soluble	Solid	300.0	34502
880-19191-10 MSD	S-1 (5)	Soluble	Solid	300.0	34502

Analysis Batch: 34704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-19191-20	S-4 (0-6")	Soluble	Solid	300.0	34504
880-19191-21	H-1 (0-6")	Soluble	Solid	300.0	34504
880-19191-22	H-2 (0-6")	Soluble	Solid	300.0	34504
880-19191-23	H-3 (0-6")	Soluble	Solid	300.0	34504
880-19191-24	H-4 (0-6")	Soluble	Solid	300.0	34504
880-19191-25	H-5 (0-6")	Soluble	Solid	300.0	34504
880-19191-26	H-6 (0-6")	Soluble	Solid	300.0	34504
MB 880-34504/1-A	Method Blank	Soluble	Solid	300.0	34504
LCS 880-34504/2-A	Lab Control Sample	Soluble	Solid	300.0	34504
LCSD 880-34504/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	34504
880-19191-20 MS	S-4 (0-6")	Soluble	Solid	300.0	34504
880-19191-20 MSD	S-4 (0-6")	Soluble	Solid	300.0	34504

Lab Chronicle

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-1 (0-6")

Lab Sample ID: 880-19191-1

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

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	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34644	09/17/22 02:38	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/15/22 02:50	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		1			34680	09/16/22 21:20	CH	EET MID

Client Sample ID: S-1 (1)

Lab Sample ID: 880-19191-2

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

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	34693	09/16/22 16:25	MR	EET MID
Total/NA	Analysis	8021B		10	5 mL	5 mL	34745	09/19/22 11:22	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/15/22 03:11	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		1			34680	09/16/22 21:25	CH	EET MID

Client Sample ID: S-1 (1.5)

Lab Sample ID: 880-19191-3

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

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	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34644	09/17/22 03:18	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/15/22 03:32	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		1			34680	09/16/22 21:30	CH	EET MID

Client Sample ID: S-1 (2)

Lab Sample ID: 880-19191-4

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

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	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34644	09/17/22 03:39	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-1 (2)

Lab Sample ID: 880-19191-4

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

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			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/15/22 04:15	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		1			34680	09/16/22 21:35	CH	EET MID

Client Sample ID: S-1 (2.5)

Lab Sample ID: 880-19191-5

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

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	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34644	09/17/22 03:59	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/15/22 03:53	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		1			34680	09/16/22 21:49	CH	EET MID

Client Sample ID: S-1 (3)

Lab Sample ID: 880-19191-6

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

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	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34644	09/17/22 04:20	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/15/22 02:08	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		1			34680	09/16/22 21:54	CH	EET MID

Client Sample ID: S-1 (3.5)

Lab Sample ID: 880-19191-7

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

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	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34644	09/17/22 04:40	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/14/22 20:47	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-1 (3.5)

Lab Sample ID: 880-19191-7

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		1			34680	09/16/22 21:59	CH	EET MID

Client Sample ID: S-1 (4)

Lab Sample ID: 880-19191-8

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

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	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	34644	09/17/22 05:21	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/15/22 04:36	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		1			34680	09/16/22 22:04	CH	EET MID

Client Sample ID: S-1 (4.5)

Lab Sample ID: 880-19191-9

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

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	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	34644	09/17/22 05:41	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/14/22 23:39	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		1			34680	09/16/22 22:09	CH	EET MID

Client Sample ID: S-1 (5)

Lab Sample ID: 880-19191-10

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

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	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34644	09/17/22 05:01	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/15/22 00:01	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		1			34680	09/16/22 22:13	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-1 (5.5)

Date Collected: 09/13/22 00:00

Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	34644	09/17/22 09:34	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/15/22 00:22	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		1			34680	09/16/22 22:28	CH	EET MID

Client Sample ID: S-1 (6)

Date Collected: 09/13/22 00:00

Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	34644	09/17/22 09:55	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/14/22 23:18	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		1			34680	09/16/22 22:33	CH	EET MID

Client Sample ID: S-1 (6.5)

Date Collected: 09/13/22 00:00

Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	34644	09/17/22 10:15	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/15/22 01:47	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		10			34680	09/16/22 22:47	CH	EET MID

Client Sample ID: S-1 (7)

Date Collected: 09/13/22 00:00

Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	34644	09/17/22 10:36	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-1 (7)

Date Collected: 09/13/22 00:00

Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-14

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			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/15/22 01:25	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		10			34680	09/16/22 22:52	CH	EET MID

Client Sample ID: S-2 (0-6")

Date Collected: 09/13/22 00:00

Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34644	09/17/22 07:31	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/14/22 21:51	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		1			34680	09/16/22 22:57	CH	EET MID

Client Sample ID: S-2 (1)

Date Collected: 09/13/22 00:00

Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34644	09/17/22 07:52	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/15/22 00:43	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		1			34680	09/16/22 23:02	CH	EET MID

Client Sample ID: S-2 (1.5)

Date Collected: 09/13/22 00:00

Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34644	09/17/22 08:12	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/14/22 22:13	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: S-2 (1.5)

Date Collected: 09/13/22 00:00

Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		1			34680	09/16/22 23:07	CH	EET MID

Client Sample ID: S-2 (2)

Date Collected: 09/13/22 00:00

Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34644	09/17/22 08:33	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/14/22 22:34	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		1			34680	09/16/22 23:12	CH	EET MID

Client Sample ID: S-3 (0-6")

Date Collected: 09/13/22 00:00

Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34644	09/17/22 08:53	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/15/22 02:29	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	34502	09/14/22 13:19	SMC	EET MID
Soluble	Analysis	300.0		1			34680	09/16/22 23:17	CH	EET MID

Client Sample ID: S-4 (0-6")

Date Collected: 09/13/22 00:00

Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	34555	09/15/22 09:02	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34644	09/17/22 09:14	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	34494	09/14/22 11:52	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34437	09/14/22 22:56	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	34504	09/14/22 13:22	SMC	EET MID
Soluble	Analysis	300.0		1			34704	09/17/22 02:36	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: H-1 (0-6")

Date Collected: 09/13/22 00:00

Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-21

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	34556	09/15/22 09:07	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34713	09/18/22 08:23	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34495	09/14/22 11:55	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34439	09/14/22 22:34	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	34504	09/14/22 13:22	SMC	EET MID
Soluble	Analysis	300.0		1			34704	09/17/22 02:51	CH	EET MID

Client Sample ID: H-2 (0-6")

Date Collected: 09/13/22 00:00

Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-22

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	34556	09/15/22 09:07	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34713	09/18/22 08:44	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	34495	09/14/22 11:55	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34439	09/14/22 22:56	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	34504	09/14/22 13:22	SMC	EET MID
Soluble	Analysis	300.0		1			34704	09/17/22 02:56	CH	EET MID

Client Sample ID: H-3 (0-6")

Date Collected: 09/13/22 00:00

Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-23

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	34556	09/15/22 09:07	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34713	09/18/22 09:04	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34495	09/14/22 11:55	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34439	09/14/22 23:18	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	34504	09/14/22 13:22	SMC	EET MID
Soluble	Analysis	300.0		1			34704	09/17/22 03:01	CH	EET MID

Client Sample ID: H-4 (0-6")

Date Collected: 09/13/22 00:00

Date Received: 09/14/22 10:00

Lab Sample ID: 880-19191-24

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	34556	09/15/22 09:07	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34713	09/18/22 09:25	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Client Sample ID: H-4 (0-6")

Lab Sample ID: 880-19191-24

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

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			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	34495	09/14/22 11:55	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34439	09/14/22 23:39	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	34504	09/14/22 13:22	SMC	EET MID
Soluble	Analysis	300.0		1			34704	09/17/22 03:06	CH	EET MID

Client Sample ID: H-5 (0-6")

Lab Sample ID: 880-19191-25

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

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	34556	09/15/22 09:07	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34713	09/18/22 09:45	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	34495	09/14/22 11:55	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34439	09/15/22 00:01	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	34504	09/14/22 13:22	SMC	EET MID
Soluble	Analysis	300.0		1			34704	09/17/22 03:20	CH	EET MID

Client Sample ID: H-6 (0-6")

Lab Sample ID: 880-19191-26

Date Collected: 09/13/22 00:00

Matrix: Solid

Date Received: 09/14/22 10:00

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	34556	09/15/22 09:07	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	34713	09/18/22 10:06	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34759	09/19/22 09:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			34562	09/15/22 09:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	34495	09/14/22 11:55	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34439	09/15/22 00:22	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	34504	09/14/22 13:22	SMC	EET MID
Soluble	Analysis	300.0		1			34704	09/17/22 03:25	CH	EET MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Laboratory: Eurofins Midland

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

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

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

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

Eurofins Midland

Method Summary

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: Carmona Resources
Project/Site: Bid Eddy SWD

Job ID: 880-19191-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-19191-1	S-1 (0-6")	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-2	S-1 (1)	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-3	S-1 (1.5)	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-4	S-1 (2)	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-5	S-1 (2.5)	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-6	S-1 (3)	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-7	S-1 (3.5)	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-8	S-1 (4)	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-9	S-1 (4.5)	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-10	S-1 (5)	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-11	S-1 (5.5)	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-12	S-1 (6)	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-13	S-1 (6.5)	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-14	S-1 (7)	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-15	S-2 (0-6")	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-16	S-2 (1)	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-17	S-2 (1.5)	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-18	S-2 (2)	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-19	S-3 (0-6")	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-20	S-4 (0-6")	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-21	H-1 (0-6")	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-22	H-2 (0-6")	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-23	H-3 (0-6")	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-24	H-4 (0-6")	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-25	H-5 (0-6")	Solid	09/13/22 00:00	09/14/22 10:00
880-19191-26	H-6 (0-6")	Solid	09/13/22 00:00	09/14/22 10:00

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Work Order No: 19191

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Project Manager	Conner Moehring	Bill to (if different)	Joseph Vargo
Company Name	Carmora Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St Ste 415	Address	865 North Albion St. Ste 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver CO 80220
Phone	432 813 6823	Email	joseph.vargo@nqlp.com

Project Name		Big Eddy SWD	Turn Around	ANALYSIS REQUEST	PRESERVATIVE CODES
Project Number	1105	☐ Routine	☒ Rush		
Project Location	Lea Co, NM	Due Date	72 Hrs		
Sampler's Name	CCM	TAT starts the day received by the lab, if received by 4:30pm			
PO #					
SAMPLE RECEIPT		Temp Blank	Yes ☒ No ☐	Wet Ice	Yes ☒ No ☐
Received Intact	Yes ☒ No ☐	Thermometer ID	1105		
Cooler Custody Seals	Yes ☒ No ☐	Correction Factor	+0.3		
Sample Custody Seals	Yes ☒ No ☐	Temperature Reading	0.5		
Total Containers		Corrected Temperature			

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Perturb ☐	
State of Project: ☐ Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other ☐	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	ANALYSIS REQUEST										Preservative Codes
S-1 (0-6")	9/13/2022		X		G	1	X	BTEX 8021B	X	X	X						None NO	DI Water H ₂ O
S-1 (1)	9/13/2022		X		G	1	X	TPH 8015M (GRO + DRO + MRO)	X	X	X						Cool Cool	MeOH Me
S-1 (1.5)	9/13/2022		X		G	1	X	Chloride 300.0	X	X	X						HCL HC	HNO ₃ HN
S-1 (2)	9/13/2022		X		G	1	X										H ₂ SO ₄ H ₂	NaOH Na
S-1 (2.5)	9/13/2022		X		G	1	X										H ₃ PO ₄ HP	
S-1 (3)	9/13/2022		X		G	1	X										NaHSO ₄ NABIS	
S-1 (3.5)	9/13/2022		X		G	1	X										Na ₂ S ₂ O ₃ NaSO ₃	
S-1 (4)	9/13/2022		X		G	1	X										Zn Acetate+NaOH Zn	
S-1 (4.5)	9/13/2022		X		G	1	X										NaOH+Ascorbic Acid SAPC	
S-1 (5)	9/13/2022		X		G	1	X											



880-19191 Chain of Custody

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
<i>Heidi White</i>	9/13/22 10AM	<i>[Signature]</i>	

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Work Order No: 19191

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Project Manager	Conner Moehring	Bill to, (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St Ste 415	Address	865 North Albion St. Ste 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver CO 80220
Phone	432 813 6823	Email	Joseph.vargo@nnglp.com

Work Order Comments	
Program: UST/PST	☐ PRP ☐ ROWfields ☐ RC ☐ Perfund
State of Project:	
Reporting Level II	☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables EDD	☐ ADAPT ☐ Other

Project Name		Big Eddy SWD		Turn Around			Pres. Code	ANALYSIS REQUEST												Preservative Codes																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	9/13/22 10AM		

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Work Order No: 19191

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Project Manager	Conner Moehring	Bill to: (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St Ste 415	Address	865 North Albion St Ste 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver CO 80220
Phone	432 813 6823	Email	joseph.vargo@nlepp.com

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

Project Name	Big Eddy SWD	Turn Around	Pres. Code	ANALYSIS REQUEST										Preservative Codes	
Project Number	1105	☐ Routine ☒ Rush												None NO	DI Water H ₂ O
Project Location	Lea Co. NM	Due Date	72 Hrs											Cool Cool	MeOH Me
Sampler's Name	CCM	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	No	Wet Ice	Yes	No					H ₃ PO ₄ HP	
Received Intact:	Yes	No	Thermometer ID											NaHSO ₄ NABIS	
Cooler Custody Seals:	Yes	No	Correction Factor											Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals:	Yes	No	Temperature Reading											Zn Acetate+NaOH Zn	
Total Containers:			Corrected Temperature											NaOH+Ascorbic Acid SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters										Sample Comments
H-1 (0-6")	9/13/2022		X		G	1	X	X	X								
H-2 (0-6")	9/13/2022		X		G	1	X	X	X								
H-3 (0-6")	9/13/2022		X		G	1	X	X	X								
H-4 (0-6")	9/13/2022		X		G	1	X	X	X								
H-5 (0-6")	9/13/2022		X		G	1	X	X	X								
H-6 (0-6")	9/13/2022		X		G	1	X	X	X								

Loc: 880
19191

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
<i>Michael D. Miller</i>	9/13/22 10:40	<i>[Signature]</i>	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-19191-1

SDG Number: Lea Co, NM

Login Number: 19191

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: 880-20420-1

Laboratory Sample Delivery Group: Lea Co, NM
Client Project/Site: Big Eddy SWD

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:

10/19/2022 1:02:56 PM

Jessica Kramer, Project Manager
(432)704-5440

Jessica.Kramer@et.eurofinsus.com

LINKS

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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: Big Eddy SWD

Laboratory Job ID: 880-20420-1
SDG: Lea Co, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
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: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

Job ID: 880-20420-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-20420-1****Receipt**

The samples were received on 10/17/2022 9:23 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 1.0°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: T-1 (0-1') (880-20420-1), T-1 (1.5') (880-20420-2), T-1 (2') (880-20420-3), T-1 (3') (880-20420-4), T-1 (4') (880-20420-5), T-1 (5') (880-20420-6), T-1 (6') (880-20420-7), T-1 (7') (880-20420-8), T-1 (8') (880-20420-9), T-2 (0-0.5') (880-20420-10) and T-2 (0.5-1') (880-20420-11).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-37093 and analytical batch 880-37184 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: T-1 (0-1') (880-20420-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: T-1 (2') (880-20420-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-1 (4') (880-20420-5) and T-1 (5') (880-20420-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-37093 and analytical batch 880-37184 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: T-2 (0-0.5') (880-20420-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: T-2 (0.5-1') (880-20420-11). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The method blank for preparation batch 880-37126 and analytical batch 880-37035 contained Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples 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: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-20420-1

Date Collected: 10/14/22 00:00

Matrix: Solid

Date Received: 10/17/22 09:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F1	0.00201		mg/Kg		10/17/22 09:35	10/18/22 11:17	1
Toluene	<0.00201	U F1	0.00201		mg/Kg		10/17/22 09:35	10/18/22 11:17	1
Ethylbenzene	<0.00201	U F1	0.00201		mg/Kg		10/17/22 09:35	10/18/22 11:17	1
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.00402		mg/Kg		10/17/22 09:35	10/18/22 11:17	1
o-Xylene	<0.00201	U F1	0.00201		mg/Kg		10/17/22 09:35	10/18/22 11:17	1
Xylenes, Total	<0.00402	U F1	0.00402		mg/Kg		10/17/22 09:35	10/18/22 11:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130	10/17/22 09:35	10/18/22 11:17	1
1,4-Difluorobenzene (Surr)	88		70 - 130	10/17/22 09:35	10/18/22 11:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/18/22 15:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	380		49.8		mg/Kg			10/18/22 10:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/17/22 10:20	10/17/22 12:54	1
Diesel Range Organics (Over C10-C28)	380		49.8		mg/Kg		10/17/22 10:20	10/17/22 12:54	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/17/22 10:20	10/17/22 12:54	1
Total TPH	380		49.8		mg/Kg		10/17/22 10:20	10/17/22 12:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	10/17/22 10:20	10/17/22 12:54	1
o-Terphenyl	88		70 - 130	10/17/22 10:20	10/17/22 12:54	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66.8		4.98		mg/Kg			10/17/22 15:30	1

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-20420-2

Date Collected: 10/14/22 00:00

Matrix: Solid

Date Received: 10/17/22 09:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/17/22 09:35	10/18/22 11:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/17/22 09:35	10/18/22 11:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/17/22 09:35	10/18/22 11:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/17/22 09:35	10/18/22 11:38	1
o-Xylene	0.00205		0.00200		mg/Kg		10/17/22 09:35	10/18/22 11:38	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/17/22 09:35	10/18/22 11:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	10/17/22 09:35	10/18/22 11:38	1
1,4-Difluorobenzene (Surr)	83		70 - 130	10/17/22 09:35	10/18/22 11:38	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-20420-2

Date Collected: 10/14/22 00:00

Matrix: Solid

Date Received: 10/17/22 09:23

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/18/22 15:13	1

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/17/22 10:20	10/17/22 13:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/17/22 10:20	10/17/22 13:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/17/22 10:20	10/17/22 13:16	1
Total TPH	<49.9	U	49.9		mg/Kg		10/17/22 10:20	10/17/22 13:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	10/17/22 10:20	10/17/22 13:16	1
o-Terphenyl	96		70 - 130	10/17/22 10:20	10/17/22 13:16	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	104		5.02		mg/Kg			10/17/22 15:34	1

Client Sample ID: T-1 (2')

Lab Sample ID: 880-20420-3

Date Collected: 10/14/22 00:00

Matrix: Solid

Date Received: 10/17/22 09:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/17/22 09:35	10/18/22 11:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/17/22 09:35	10/18/22 11:58	1
Ethylbenzene	0.00333		0.00200		mg/Kg		10/17/22 09:35	10/18/22 11:58	1
m-Xylene & p-Xylene	0.0188		0.00401		mg/Kg		10/17/22 09:35	10/18/22 11:58	1
o-Xylene	0.0105		0.00200		mg/Kg		10/17/22 09:35	10/18/22 11:58	1
Xylenes, Total	0.0293		0.00401		mg/Kg		10/17/22 09:35	10/18/22 11:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	150	S1+	70 - 130	10/17/22 09:35	10/18/22 11:58	1
1,4-Difluorobenzene (Surr)	80		70 - 130	10/17/22 09:35	10/18/22 11:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0326		0.00401		mg/Kg			10/18/22 15:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/18/22 10:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/17/22 10:20	10/17/22 13:37	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

Client Sample ID: T-1 (2')

Lab Sample ID: 880-20420-3

Date Collected: 10/14/22 00:00

Matrix: Solid

Date Received: 10/17/22 09:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/17/22 10:20	10/17/22 13:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/17/22 10:20	10/17/22 13:37	1
Total TPH	<49.8	U	49.8		mg/Kg		10/17/22 10:20	10/17/22 13:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				10/17/22 10:20	10/17/22 13:37	1
o-Terphenyl	109		70 - 130				10/17/22 10:20	10/17/22 13:37	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.1		5.05		mg/Kg			10/17/22 15:39	1

Client Sample ID: T-1 (3')

Lab Sample ID: 880-20420-4

Date Collected: 10/14/22 00:00

Matrix: Solid

Date Received: 10/17/22 09:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/17/22 09:35	10/18/22 12:19	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/17/22 09:35	10/18/22 12:19	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/17/22 09:35	10/18/22 12:19	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/17/22 09:35	10/18/22 12:19	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/17/22 09:35	10/18/22 12:19	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/17/22 09:35	10/18/22 12:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				10/17/22 09:35	10/18/22 12:19	1
1,4-Difluorobenzene (Surr)	88		70 - 130				10/17/22 09:35	10/18/22 12:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/18/22 15:13	1

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/17/22 10:20	10/17/22 11:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/17/22 10:20	10/17/22 11:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/17/22 10:20	10/17/22 11:50	1
Total TPH	<49.9	U	49.9		mg/Kg		10/17/22 10:20	10/17/22 11:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				10/17/22 10:20	10/17/22 11:50	1
o-Terphenyl	106		70 - 130				10/17/22 10:20	10/17/22 11:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

Client Sample ID: T-1 (3')

Lab Sample ID: 880-20420-4

Date Collected: 10/14/22 00:00

Matrix: Solid

Date Received: 10/17/22 09:23

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	94.2		4.99		mg/Kg			10/17/22 15:54	1

Client Sample ID: T-1 (4')

Lab Sample ID: 880-20420-5

Date Collected: 10/14/22 00:00

Matrix: Solid

Date Received: 10/17/22 09:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.208		0.0399		mg/Kg		10/17/22 09:35	10/18/22 13:42	20
Toluene	<0.0399	U	0.0399		mg/Kg		10/17/22 09:35	10/18/22 13:42	20
Ethylbenzene	1.06		0.0399		mg/Kg		10/17/22 09:35	10/18/22 13:42	20
m-Xylene & p-Xylene	1.28		0.0798		mg/Kg		10/17/22 09:35	10/18/22 13:42	20
o-Xylene	<0.0399	U	0.0399		mg/Kg		10/17/22 09:35	10/18/22 13:42	20
Xylenes, Total	1.28		0.0798		mg/Kg		10/17/22 09:35	10/18/22 13:42	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	215	S1+	70 - 130				10/17/22 09:35	10/18/22 13:42	20
1,4-Difluorobenzene (Surr)	87		70 - 130				10/17/22 09:35	10/18/22 13:42	20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	2.55		0.0798		mg/Kg			10/18/22 15:13	1

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/17/22 10:20	10/17/22 13:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/17/22 10:20	10/17/22 13:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/17/22 10:20	10/17/22 13:59	1
Total TPH	<49.9	U	49.9		mg/Kg		10/17/22 10:20	10/17/22 13:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				10/17/22 10:20	10/17/22 13:59	1
o-Terphenyl	101		70 - 130				10/17/22 10:20	10/17/22 13:59	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	143		4.97		mg/Kg			10/17/22 15:59	1

Client Sample ID: T-1 (5')

Lab Sample ID: 880-20420-6

Date Collected: 10/14/22 00:00

Matrix: Solid

Date Received: 10/17/22 09:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.269		0.0398		mg/Kg		10/17/22 09:35	10/18/22 14:03	20
Toluene	<0.0398	U	0.0398		mg/Kg		10/17/22 09:35	10/18/22 14:03	20

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Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

Client Sample ID: T-1 (5')

Lab Sample ID: 880-20420-6

Date Collected: 10/14/22 00:00

Matrix: Solid

Date Received: 10/17/22 09:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	0.808		0.0398		mg/Kg		10/17/22 09:35	10/18/22 14:03	20
m-Xylene & p-Xylene	2.13		0.0797		mg/Kg		10/17/22 09:35	10/18/22 14:03	20
o-Xylene	<0.0398	U	0.0398		mg/Kg		10/17/22 09:35	10/18/22 14:03	20
Xylenes, Total	2.13		0.0797		mg/Kg		10/17/22 09:35	10/18/22 14:03	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	180	S1+	70 - 130				10/17/22 09:35	10/18/22 14:03	20
1,4-Difluorobenzene (Surr)	93		70 - 130				10/17/22 09:35	10/18/22 14:03	20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	3.21		0.0797		mg/Kg			10/18/22 15:13	1

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/17/22 10:20	10/17/22 14:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/17/22 10:20	10/17/22 14:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/17/22 10:20	10/17/22 14:20	1
Total TPH	<49.9	U	49.9		mg/Kg		10/17/22 10:20	10/17/22 14:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				10/17/22 10:20	10/17/22 14:20	1
o-Terphenyl	102		70 - 130				10/17/22 10:20	10/17/22 14:20	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	175		4.96		mg/Kg			10/17/22 16:04	1

Client Sample ID: T-1 (6')

Lab Sample ID: 880-20420-7

Date Collected: 10/14/22 00:00

Matrix: Solid

Date Received: 10/17/22 09:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/17/22 09:35	10/18/22 12:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/17/22 09:35	10/18/22 12:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/17/22 09:35	10/18/22 12:40	1
m-Xylene & p-Xylene	0.0187		0.00401		mg/Kg		10/17/22 09:35	10/18/22 12:40	1
o-Xylene	0.0133		0.00200		mg/Kg		10/17/22 09:35	10/18/22 12:40	1
Xylenes, Total	0.0320		0.00401		mg/Kg		10/17/22 09:35	10/18/22 12:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				10/17/22 09:35	10/18/22 12:40	1
1,4-Difluorobenzene (Surr)	84		70 - 130				10/17/22 09:35	10/18/22 12:40	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

Client Sample ID: T-1 (6')

Lab Sample ID: 880-20420-7

Date Collected: 10/14/22 00:00

Matrix: Solid

Date Received: 10/17/22 09:23

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0320		0.00401		mg/Kg			10/18/22 15:13	1

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/17/22 10:20	10/17/22 14:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/17/22 10:20	10/17/22 14:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/17/22 10:20	10/17/22 14:42	1
Total TPH	<50.0	U	50.0		mg/Kg		10/17/22 10:20	10/17/22 14:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	10/17/22 10:20	10/17/22 14:42	1
o-Terphenyl	99		70 - 130	10/17/22 10:20	10/17/22 14:42	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		5.02		mg/Kg			10/17/22 16:09	1

Client Sample ID: T-1 (7')

Lab Sample ID: 880-20420-8

Date Collected: 10/14/22 00:00

Matrix: Solid

Date Received: 10/17/22 09:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/17/22 09:35	10/18/22 13:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/17/22 09:35	10/18/22 13:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/17/22 09:35	10/18/22 13:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/17/22 09:35	10/18/22 13:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/17/22 09:35	10/18/22 13:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/17/22 09:35	10/18/22 13:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	10/17/22 09:35	10/18/22 13:01	1
1,4-Difluorobenzene (Surr)	96		70 - 130	10/17/22 09:35	10/18/22 13:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/18/22 15:13	1

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/17/22 10:20	10/17/22 15:03	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

Client Sample ID: T-1 (7')

Lab Sample ID: 880-20420-8

Date Collected: 10/14/22 00:00

Matrix: Solid

Date Received: 10/17/22 09:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/17/22 10:20	10/17/22 15:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/17/22 10:20	10/17/22 15:03	1
Total TPH	<50.0	U	50.0		mg/Kg		10/17/22 10:20	10/17/22 15:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				10/17/22 10:20	10/17/22 15:03	1
o-Terphenyl	100		70 - 130				10/17/22 10:20	10/17/22 15:03	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1110		25.2		mg/Kg			10/17/22 16:13	5

Client Sample ID: T-1 (8')

Lab Sample ID: 880-20420-9

Date Collected: 10/14/22 00:00

Matrix: Solid

Date Received: 10/17/22 09:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/17/22 09:35	10/18/22 13:21	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/17/22 09:35	10/18/22 13:21	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/17/22 09:35	10/18/22 13:21	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/17/22 09:35	10/18/22 13:21	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/17/22 09:35	10/18/22 13:21	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/17/22 09:35	10/18/22 13:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				10/17/22 09:35	10/18/22 13:21	1
1,4-Difluorobenzene (Surr)	95		70 - 130				10/17/22 09:35	10/18/22 13:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/18/22 15:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/18/22 10:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/17/22 10:20	10/17/22 15:24	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/17/22 10:20	10/17/22 15:24	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/17/22 10:20	10/17/22 15:24	1
Total TPH	<49.8	U	49.8		mg/Kg		10/17/22 10:20	10/17/22 15:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				10/17/22 10:20	10/17/22 15:24	1
o-Terphenyl	100		70 - 130				10/17/22 10:20	10/17/22 15:24	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

Client Sample ID: T-1 (8')

Lab Sample ID: 880-20420-9

Date Collected: 10/14/22 00:00

Matrix: Solid

Date Received: 10/17/22 09:23

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	314		5.05		mg/Kg			10/17/22 16:18	1

Client Sample ID: T-2 (0-0.5')

Lab Sample ID: 880-20420-10

Date Collected: 10/14/22 00:00

Matrix: Solid

Date Received: 10/17/22 09:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/18/22 08:29	10/18/22 11:57	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/18/22 08:29	10/18/22 11:57	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/18/22 08:29	10/18/22 11:57	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/18/22 08:29	10/18/22 11:57	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/18/22 08:29	10/18/22 11:57	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/18/22 08:29	10/18/22 11:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	0	S1-	70 - 130	10/18/22 08:29	10/18/22 11:57	1
1,4-Difluorobenzene (Surr)	92		70 - 130	10/18/22 08:29	10/18/22 11:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/18/22 15:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	348		49.8		mg/Kg			10/18/22 10:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/17/22 10:20	10/17/22 15:46	1
Diesel Range Organics (Over C10-C28)	348		49.8		mg/Kg		10/17/22 10:20	10/17/22 15:46	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/17/22 10:20	10/17/22 15:46	1
Total TPH	348		49.8		mg/Kg		10/17/22 10:20	10/17/22 15:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	10/17/22 10:20	10/17/22 15:46	1
o-Terphenyl	89		70 - 130	10/17/22 10:20	10/17/22 15:46	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15000		249		mg/Kg			10/17/22 16:33	50

Client Sample ID: T-2 (0.5-1')

Lab Sample ID: 880-20420-11

Date Collected: 10/14/22 00:00

Matrix: Solid

Date Received: 10/17/22 09:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/18/22 08:29	10/18/22 11:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/22 08:29	10/18/22 11:37	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

Client Sample ID: T-2 (0.5-1')

Lab Sample ID: 880-20420-11

Date Collected: 10/14/22 00:00

Matrix: Solid

Date Received: 10/17/22 09:23

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/22 08:29	10/18/22 11:37	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/18/22 08:29	10/18/22 11:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/22 08:29	10/18/22 11:37	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/18/22 08:29	10/18/22 11:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				10/18/22 08:29	10/18/22 11:37	1
1,4-Difluorobenzene (Surr)	97		70 - 130				10/18/22 08:29	10/18/22 11:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/18/22 15:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	632		50.0		mg/Kg			10/18/22 10:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/17/22 10:20	10/17/22 16:29	1
Diesel Range Organics (Over C10-C28)	632		50.0		mg/Kg		10/17/22 10:20	10/17/22 16:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/17/22 10:20	10/17/22 16:29	1
Total TPH	632		50.0		mg/Kg		10/17/22 10:20	10/17/22 16:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130				10/17/22 10:20	10/17/22 16:29	1
o-Terphenyl	114		70 - 130				10/17/22 10:20	10/17/22 16:29	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	179		4.98		mg/Kg			10/17/22 16:38	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea 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)
880-20420-1	T-1 (0-1')	132 S1+	88
880-20420-1 MS	T-1 (0-1')	112	89
880-20420-1 MSD	T-1 (0-1')	106	85
880-20420-2	T-1 (1.5')	119	83
880-20420-3	T-1 (2')	150 S1+	80
880-20420-4	T-1 (3')	120	88
880-20420-5	T-1 (4')	215 S1+	87
880-20420-6	T-1 (5')	180 S1+	93
880-20420-7	T-1 (6')	116	84
880-20420-8	T-1 (7')	117	96
880-20420-9	T-1 (8')	119	95
880-20420-10	T-2 (0-0.5')	0 S1-	92
880-20420-11	T-2 (0.5-1')	93	97
880-20420-11 MS	T-2 (0.5-1')	91	107
880-20420-11 MSD	T-2 (0.5-1')	115	106
LCS 880-37093/1-A	Lab Control Sample	90	89
LCS 880-37187/1-A	Lab Control Sample	108	101
LCSD 880-37093/2-A	Lab Control Sample Dup	93	87
LCSD 880-37187/2-A	Lab Control Sample Dup	91	112
MB 880-37093/5-A	Method Blank	105	86
MB 880-37187/5-A	Method Blank	82	95
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)
880-20420-1	T-1 (0-1')	105	88
880-20420-2	T-1 (1.5')	114	96
880-20420-3	T-1 (2')	126	109
880-20420-4	T-1 (3')	123	106
880-20420-4 MS	T-1 (3')	104	87
880-20420-4 MSD	T-1 (3')	99	80
880-20420-5	T-1 (4')	118	101
880-20420-6	T-1 (5')	121	102
880-20420-7	T-1 (6')	115	99
880-20420-8	T-1 (7')	117	100
880-20420-9	T-1 (8')	113	100
880-20420-10	T-2 (0-0.5')	107	89
880-20420-11	T-2 (0.5-1')	134 S1+	114
LCS 880-37126/2-A	Lab Control Sample	82	80
LCSD 880-37126/3-A	Lab Control Sample Dup	83	81
MB 880-37126/1-A	Method Blank	124	110
Surrogate Legend			
1CO = 1-Chlorooctane			

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Surrogate Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD
OTPH = o-Terphenyl

Job ID: 880-20420-1
SDG: Lea Co, NM

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QC Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-37093/5-A

Matrix: Solid

Analysis Batch: 37184

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 37093

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/17/22 09:35	10/18/22 10:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/17/22 09:35	10/18/22 10:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/17/22 09:35	10/18/22 10:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/17/22 09:35	10/18/22 10:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/17/22 09:35	10/18/22 10:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/17/22 09:35	10/18/22 10:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	10/17/22 09:35	10/18/22 10:56	1
1,4-Difluorobenzene (Surr)	86		70 - 130	10/17/22 09:35	10/18/22 10:56	1

Lab Sample ID: LCS 880-37093/1-A

Matrix: Solid

Analysis Batch: 37184

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 37093

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1032		mg/Kg		103	70 - 130
Toluene	0.100	0.1112		mg/Kg		111	70 - 130
Ethylbenzene	0.100	0.1023		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	0.200	0.2105		mg/Kg		105	70 - 130
o-Xylene	0.100	0.1038		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: LCSD 880-37093/2-A

Matrix: Solid

Analysis Batch: 37184

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 37093

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1001		mg/Kg		100	70 - 130	3	35
Toluene	0.100	0.1040		mg/Kg		104	70 - 130	7	35
Ethylbenzene	0.100	0.09792		mg/Kg		98	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2053		mg/Kg		103	70 - 130	3	35
o-Xylene	0.100	0.1023		mg/Kg		102	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: 880-20420-1 MS

Matrix: Solid

Analysis Batch: 37184

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

Prep Type: Total/NA

Prep Batch: 37093

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1	0.100	0.04650	F1	mg/Kg		46	70 - 130
Toluene	<0.00201	U F1	0.100	0.03999	F1	mg/Kg		39	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-20420-1 MS

Matrix: Solid

Analysis Batch: 37184

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

Prep Type: Total/NA

Prep Batch: 37093

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U F1	0.100	0.04074	F1	mg/Kg		41	70 - 130
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.200	0.02754	F1	mg/Kg		14	70 - 130
o-Xylene	<0.00201	U F1	0.100	0.05489	F1	mg/Kg		55	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 880-20420-1 MSD

Matrix: Solid

Analysis Batch: 37184

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

Prep Type: Total/NA

Prep Batch: 37093

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1	0.0998	0.05584	F1	mg/Kg		56	70 - 130	18	35
Toluene	<0.00201	U F1	0.0998	0.04904	F1	mg/Kg		49	70 - 130	20	35
Ethylbenzene	<0.00201	U F1	0.0998	0.04966	F1	mg/Kg		50	70 - 130	20	35
m-Xylene & p-Xylene	<0.00402	U F2 F1	0.200	0.04292	F2 F1	mg/Kg		22	70 - 130	44	35
o-Xylene	<0.00201	U F1	0.0998	0.06151	F1	mg/Kg		62	70 - 130	11	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

Lab Sample ID: MB 880-37187/5-A

Matrix: Solid

Analysis Batch: 37185

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 37187

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/18/22 08:29	10/18/22 10:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/18/22 08:29	10/18/22 10:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/18/22 08:29	10/18/22 10:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/18/22 08:29	10/18/22 10:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/18/22 08:29	10/18/22 10:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/18/22 08:29	10/18/22 10:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	10/18/22 08:29	10/18/22 10:54	1
1,4-Difluorobenzene (Surr)	95		70 - 130	10/18/22 08:29	10/18/22 10:54	1

Lab Sample ID: LCS 880-37187/1-A

Matrix: Solid

Analysis Batch: 37185

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 37187

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1065		mg/Kg		107	70 - 130
Toluene	0.100	0.1059		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.1126		mg/Kg		113	70 - 130
m-Xylene & p-Xylene	0.200	0.2390		mg/Kg		120	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-37187/1-A

Matrix: Solid

Analysis Batch: 37185

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 37187

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1175		mg/Kg		117	70 - 130

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

Lab Sample ID: LCSD 880-37187/2-A

Matrix: Solid

Analysis Batch: 37185

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 37187

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1219		mg/Kg		122	70 - 130	13	35
Toluene	0.100	0.1041		mg/Kg		104	70 - 130	2	35
Ethylbenzene	0.100	0.09897		mg/Kg		99	70 - 130	13	35
m-Xylene & p-Xylene	0.200	0.2004		mg/Kg		100	70 - 130	18	35
o-Xylene	0.100	0.09840		mg/Kg		98	70 - 130	18	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-20420-11 MS

Matrix: Solid

Analysis Batch: 37185

Client Sample ID: T-2 (0.5-1')

Prep Type: Total/NA

Prep Batch: 37187

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09868		mg/Kg		98	70 - 130
Toluene	<0.00200	U	0.100	0.09554		mg/Kg		95	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09684		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1854		mg/Kg		93	70 - 130
o-Xylene	<0.00200	U	0.100	0.09157		mg/Kg		91	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-20420-11 MSD

Matrix: Solid

Analysis Batch: 37185

Client Sample ID: T-2 (0.5-1')

Prep Type: Total/NA

Prep Batch: 37187

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0998	0.1005		mg/Kg		101	70 - 130	2	35
Toluene	<0.00200	U	0.0998	0.1013		mg/Kg		101	70 - 130	6	35
Ethylbenzene	<0.00200	U	0.0998	0.1066		mg/Kg		107	70 - 130	10	35
m-Xylene & p-Xylene	<0.00401	U	0.200	0.2320		mg/Kg		116	70 - 130	22	35
o-Xylene	<0.00200	U	0.0998	0.1138		mg/Kg		114	70 - 130	22	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-20420-11 MSD

Matrix: Solid

Analysis Batch: 37185

Client Sample ID: T-2 (0.5-1')

Prep Type: Total/NA

Prep Batch: 37187

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

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

Lab Sample ID: MB 880-37126/1-A

Matrix: Solid

Analysis Batch: 37035

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 37126

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Result	Qualifier								
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/17/22 10:20	10/17/22 10:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/17/22 10:20	10/17/22 10:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/17/22 10:20	10/17/22 10:46	1
Total TPH	<50.0	U	50.0		mg/Kg		10/17/22 10:20	10/17/22 10:46	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
%Recovery	Qualifier					
1-Chlorooctane	124		70 - 130	10/17/22 10:20	10/17/22 10:46	1
o-Terphenyl	110		70 - 130	10/17/22 10:20	10/17/22 10:46	1

Lab Sample ID: LCS 880-37126/2-A

Matrix: Solid

Analysis Batch: 37035

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 37126

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
Added	Result	Qualifier				Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	825.5		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	1000	881.6		mg/Kg		88	70 - 130

Surrogate	LCS	LCS	Limits
%Recovery	Qualifier		
1-Chlorooctane	82		70 - 130
o-Terphenyl	80		70 - 130

Lab Sample ID: LCSD 880-37126/3-A

Matrix: Solid

Analysis Batch: 37035

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 37126

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD
Added	Result	Qualifier				Limits		Limit
Gasoline Range Organics (GRO)-C6-C10	1000	755.2		mg/Kg		76	70 - 130	9 20
Diesel Range Organics (Over C10-C28)	1000	889.9		mg/Kg		89	70 - 130	1 20

Surrogate	LCSD	LCSD	Limits
%Recovery	Qualifier		
1-Chlorooctane	83		70 - 130
o-Terphenyl	81		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-20420-4 MS

Matrix: Solid

Analysis Batch: 37035

Client Sample ID: T-1 (3')

Prep Type: Total/NA

Prep Batch: 37126

	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	979.1		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	998	983.6		mg/Kg		96	70 - 130		

Lab Sample ID: 880-20420-4 MSD

Matrix: Solid

Analysis Batch: 37035

Client Sample ID: T-1 (3')

Prep Type: Total/NA

Prep Batch: 37126

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	869.6		mg/Kg		87	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	924.2		mg/Kg		90	70 - 130	6	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	99		70 - 130								
o-Terphenyl	80		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-37060/1-A

Matrix: Solid

Analysis Batch: 37162

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/17/22 14:55	1

Lab Sample ID: LCS 880-37060/2-A

Matrix: Solid

Analysis Batch: 37162

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	243.5		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-37060/3-A

Matrix: Solid

Analysis Batch: 37162

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	243.7		mg/Kg		97	90 - 110	0	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-20420-9 MS										Client Sample ID: T-1 (8')		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 37162												
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits			
Chloride	314		253	542.1		mg/Kg		90	90 - 110			

Lab Sample ID: 880-20420-9 MSD										Client Sample ID: T-1 (8')		
Matrix: Solid										Prep Type: Soluble		
Analysis Batch: 37162												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	314		253	541.6		mg/Kg		90	90 - 110	0	20	

QC Association Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 37093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20420-1	T-1 (0-1')	Total/NA	Solid	5035	
880-20420-2	T-1 (1.5')	Total/NA	Solid	5035	
880-20420-3	T-1 (2')	Total/NA	Solid	5035	
880-20420-4	T-1 (3')	Total/NA	Solid	5035	
880-20420-5	T-1 (4')	Total/NA	Solid	5035	
880-20420-6	T-1 (5')	Total/NA	Solid	5035	
880-20420-7	T-1 (6')	Total/NA	Solid	5035	
880-20420-8	T-1 (7')	Total/NA	Solid	5035	
880-20420-9	T-1 (8')	Total/NA	Solid	5035	
MB 880-37093/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-37093/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-37093/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-20420-1 MS	T-1 (0-1')	Total/NA	Solid	5035	
880-20420-1 MSD	T-1 (0-1')	Total/NA	Solid	5035	

Analysis Batch: 37184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20420-1	T-1 (0-1')	Total/NA	Solid	8021B	37093
880-20420-2	T-1 (1.5')	Total/NA	Solid	8021B	37093
880-20420-3	T-1 (2')	Total/NA	Solid	8021B	37093
880-20420-4	T-1 (3')	Total/NA	Solid	8021B	37093
880-20420-5	T-1 (4')	Total/NA	Solid	8021B	37093
880-20420-6	T-1 (5')	Total/NA	Solid	8021B	37093
880-20420-7	T-1 (6')	Total/NA	Solid	8021B	37093
880-20420-8	T-1 (7')	Total/NA	Solid	8021B	37093
880-20420-9	T-1 (8')	Total/NA	Solid	8021B	37093
MB 880-37093/5-A	Method Blank	Total/NA	Solid	8021B	37093
LCS 880-37093/1-A	Lab Control Sample	Total/NA	Solid	8021B	37093
LCSD 880-37093/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	37093
880-20420-1 MS	T-1 (0-1')	Total/NA	Solid	8021B	37093
880-20420-1 MSD	T-1 (0-1')	Total/NA	Solid	8021B	37093

Analysis Batch: 37185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20420-10	T-2 (0-0.5')	Total/NA	Solid	8021B	37187
880-20420-11	T-2 (0.5-1')	Total/NA	Solid	8021B	37187
MB 880-37187/5-A	Method Blank	Total/NA	Solid	8021B	37187
LCS 880-37187/1-A	Lab Control Sample	Total/NA	Solid	8021B	37187
LCSD 880-37187/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	37187
880-20420-11 MS	T-2 (0.5-1')	Total/NA	Solid	8021B	37187
880-20420-11 MSD	T-2 (0.5-1')	Total/NA	Solid	8021B	37187

Prep Batch: 37187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20420-10	T-2 (0-0.5')	Total/NA	Solid	5035	
880-20420-11	T-2 (0.5-1')	Total/NA	Solid	5035	
MB 880-37187/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-37187/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-37187/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-20420-11 MS	T-2 (0.5-1')	Total/NA	Solid	5035	
880-20420-11 MSD	T-2 (0.5-1')	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

GC VOA

Analysis Batch: 37244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20420-1	T-1 (0-1')	Total/NA	Solid	Total BTEX	
880-20420-2	T-1 (1.5')	Total/NA	Solid	Total BTEX	
880-20420-3	T-1 (2')	Total/NA	Solid	Total BTEX	
880-20420-4	T-1 (3')	Total/NA	Solid	Total BTEX	
880-20420-5	T-1 (4')	Total/NA	Solid	Total BTEX	
880-20420-6	T-1 (5')	Total/NA	Solid	Total BTEX	
880-20420-7	T-1 (6')	Total/NA	Solid	Total BTEX	
880-20420-8	T-1 (7')	Total/NA	Solid	Total BTEX	
880-20420-9	T-1 (8')	Total/NA	Solid	Total BTEX	
880-20420-10	T-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-20420-11	T-2 (0.5-1')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 37035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20420-1	T-1 (0-1')	Total/NA	Solid	8015B NM	37126
880-20420-2	T-1 (1.5')	Total/NA	Solid	8015B NM	37126
880-20420-3	T-1 (2')	Total/NA	Solid	8015B NM	37126
880-20420-4	T-1 (3')	Total/NA	Solid	8015B NM	37126
880-20420-5	T-1 (4')	Total/NA	Solid	8015B NM	37126
880-20420-6	T-1 (5')	Total/NA	Solid	8015B NM	37126
880-20420-7	T-1 (6')	Total/NA	Solid	8015B NM	37126
880-20420-8	T-1 (7')	Total/NA	Solid	8015B NM	37126
880-20420-9	T-1 (8')	Total/NA	Solid	8015B NM	37126
880-20420-10	T-2 (0-0.5')	Total/NA	Solid	8015B NM	37126
880-20420-11	T-2 (0.5-1')	Total/NA	Solid	8015B NM	37126
MB 880-37126/1-A	Method Blank	Total/NA	Solid	8015B NM	37126
LCS 880-37126/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	37126
LCSD 880-37126/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	37126
880-20420-4 MS	T-1 (3')	Total/NA	Solid	8015B NM	37126
880-20420-4 MSD	T-1 (3')	Total/NA	Solid	8015B NM	37126

Prep Batch: 37126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20420-1	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-20420-2	T-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-20420-3	T-1 (2')	Total/NA	Solid	8015NM Prep	
880-20420-4	T-1 (3')	Total/NA	Solid	8015NM Prep	
880-20420-5	T-1 (4')	Total/NA	Solid	8015NM Prep	
880-20420-6	T-1 (5')	Total/NA	Solid	8015NM Prep	
880-20420-7	T-1 (6')	Total/NA	Solid	8015NM Prep	
880-20420-8	T-1 (7')	Total/NA	Solid	8015NM Prep	
880-20420-9	T-1 (8')	Total/NA	Solid	8015NM Prep	
880-20420-10	T-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-20420-11	T-2 (0.5-1')	Total/NA	Solid	8015NM Prep	
MB 880-37126/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-37126/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-37126/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-20420-4 MS	T-1 (3')	Total/NA	Solid	8015NM Prep	
880-20420-4 MSD	T-1 (3')	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

GC Semi VOA

Analysis Batch: 37210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20420-1	T-1 (0-1')	Total/NA	Solid	8015 NM	
880-20420-2	T-1 (1.5')	Total/NA	Solid	8015 NM	
880-20420-3	T-1 (2')	Total/NA	Solid	8015 NM	
880-20420-4	T-1 (3')	Total/NA	Solid	8015 NM	
880-20420-5	T-1 (4')	Total/NA	Solid	8015 NM	
880-20420-6	T-1 (5')	Total/NA	Solid	8015 NM	
880-20420-7	T-1 (6')	Total/NA	Solid	8015 NM	
880-20420-8	T-1 (7')	Total/NA	Solid	8015 NM	
880-20420-9	T-1 (8')	Total/NA	Solid	8015 NM	
880-20420-10	T-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-20420-11	T-2 (0.5-1')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 37060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20420-1	T-1 (0-1')	Soluble	Solid	DI Leach	
880-20420-2	T-1 (1.5')	Soluble	Solid	DI Leach	
880-20420-3	T-1 (2')	Soluble	Solid	DI Leach	
880-20420-4	T-1 (3')	Soluble	Solid	DI Leach	
880-20420-5	T-1 (4')	Soluble	Solid	DI Leach	
880-20420-6	T-1 (5')	Soluble	Solid	DI Leach	
880-20420-7	T-1 (6')	Soluble	Solid	DI Leach	
880-20420-8	T-1 (7')	Soluble	Solid	DI Leach	
880-20420-9	T-1 (8')	Soluble	Solid	DI Leach	
880-20420-10	T-2 (0-0.5')	Soluble	Solid	DI Leach	
880-20420-11	T-2 (0.5-1')	Soluble	Solid	DI Leach	
MB 880-37060/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-37060/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-37060/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-20420-9 MS	T-1 (8')	Soluble	Solid	DI Leach	
880-20420-9 MSD	T-1 (8')	Soluble	Solid	DI Leach	

Analysis Batch: 37162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-20420-1	T-1 (0-1')	Soluble	Solid	300.0	37060
880-20420-2	T-1 (1.5')	Soluble	Solid	300.0	37060
880-20420-3	T-1 (2')	Soluble	Solid	300.0	37060
880-20420-4	T-1 (3')	Soluble	Solid	300.0	37060
880-20420-5	T-1 (4')	Soluble	Solid	300.0	37060
880-20420-6	T-1 (5')	Soluble	Solid	300.0	37060
880-20420-7	T-1 (6')	Soluble	Solid	300.0	37060
880-20420-8	T-1 (7')	Soluble	Solid	300.0	37060
880-20420-9	T-1 (8')	Soluble	Solid	300.0	37060
880-20420-10	T-2 (0-0.5')	Soluble	Solid	300.0	37060
880-20420-11	T-2 (0.5-1')	Soluble	Solid	300.0	37060
MB 880-37060/1-A	Method Blank	Soluble	Solid	300.0	37060
LCS 880-37060/2-A	Lab Control Sample	Soluble	Solid	300.0	37060
LCSD 880-37060/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	37060
880-20420-9 MS	T-1 (8')	Soluble	Solid	300.0	37060
880-20420-9 MSD	T-1 (8')	Soluble	Solid	300.0	37060

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Lab Chronicle

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-20420-1

Date Collected: 10/14/22 00:00

Matrix: Solid

Date Received: 10/17/22 09:23

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	37093	10/17/22 09:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37184	10/18/22 11:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37244	10/18/22 15:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			37210	10/18/22 10:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	37126	10/17/22 10:20	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37035	10/17/22 12:54	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	37060	10/17/22 11:00	KS	EET MID
Soluble	Analysis	300.0		1			37162	10/17/22 15:30	CH	EET MID

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-20420-2

Date Collected: 10/14/22 00:00

Matrix: Solid

Date Received: 10/17/22 09:23

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	37093	10/17/22 09:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37184	10/18/22 11:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37244	10/18/22 15:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			37210	10/18/22 10:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	37126	10/17/22 10:20	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37035	10/17/22 13:16	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	37060	10/17/22 11:00	KS	EET MID
Soluble	Analysis	300.0		1			37162	10/17/22 15:34	CH	EET MID

Client Sample ID: T-1 (2')

Lab Sample ID: 880-20420-3

Date Collected: 10/14/22 00:00

Matrix: Solid

Date Received: 10/17/22 09:23

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	37093	10/17/22 09:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37184	10/18/22 11:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37244	10/18/22 15:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			37210	10/18/22 10:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	37126	10/17/22 10:20	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37035	10/17/22 13:37	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	37060	10/17/22 11:00	KS	EET MID
Soluble	Analysis	300.0		1			37162	10/17/22 15:39	CH	EET MID

Client Sample ID: T-1 (3')

Lab Sample ID: 880-20420-4

Date Collected: 10/14/22 00:00

Matrix: Solid

Date Received: 10/17/22 09:23

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	37093	10/17/22 09:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37184	10/18/22 12:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37244	10/18/22 15:13	SM	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

Client Sample ID: T-1 (3')

Lab Sample ID: 880-20420-4

Date Collected: 10/14/22 00:00

Matrix: Solid

Date Received: 10/17/22 09:23

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			37210	10/18/22 10:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	37126	10/17/22 10:20	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37035	10/17/22 11:50	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	37060	10/17/22 11:00	KS	EET MID
Soluble	Analysis	300.0		1			37162	10/17/22 15:54	CH	EET MID

Client Sample ID: T-1 (4')

Lab Sample ID: 880-20420-5

Date Collected: 10/14/22 00:00

Matrix: Solid

Date Received: 10/17/22 09:23

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	37093	10/17/22 09:35	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	37184	10/18/22 13:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37244	10/18/22 15:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			37210	10/18/22 10:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	37126	10/17/22 10:20	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37035	10/17/22 13:59	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	37060	10/17/22 11:00	KS	EET MID
Soluble	Analysis	300.0		1			37162	10/17/22 15:59	CH	EET MID

Client Sample ID: T-1 (5')

Lab Sample ID: 880-20420-6

Date Collected: 10/14/22 00:00

Matrix: Solid

Date Received: 10/17/22 09:23

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	37093	10/17/22 09:35	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	37184	10/18/22 14:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37244	10/18/22 15:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			37210	10/18/22 10:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	37126	10/17/22 10:20	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37035	10/17/22 14:20	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	37060	10/17/22 11:00	KS	EET MID
Soluble	Analysis	300.0		1			37162	10/17/22 16:04	CH	EET MID

Client Sample ID: T-1 (6')

Lab Sample ID: 880-20420-7

Date Collected: 10/14/22 00:00

Matrix: Solid

Date Received: 10/17/22 09:23

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	37093	10/17/22 09:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37184	10/18/22 12:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37244	10/18/22 15:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			37210	10/18/22 10:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	37126	10/17/22 10:20	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37035	10/17/22 14:42	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

Client Sample ID: T-1 (6')

Date Collected: 10/14/22 00:00

Date Received: 10/17/22 09:23

Lab Sample ID: 880-20420-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	37060	10/17/22 11:00	KS	EET MID
Soluble	Analysis	300.0		1			37162	10/17/22 16:09	CH	EET MID

Client Sample ID: T-1 (7')

Date Collected: 10/14/22 00:00

Date Received: 10/17/22 09:23

Lab Sample ID: 880-20420-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	37093	10/17/22 09:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37184	10/18/22 13:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37244	10/18/22 15:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			37210	10/18/22 10:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	37126	10/17/22 10:20	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37035	10/17/22 15:03	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	37060	10/17/22 11:00	KS	EET MID
Soluble	Analysis	300.0		5			37162	10/17/22 16:13	CH	EET MID

Client Sample ID: T-1 (8')

Date Collected: 10/14/22 00:00

Date Received: 10/17/22 09:23

Lab Sample ID: 880-20420-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	37093	10/17/22 09:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37184	10/18/22 13:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37244	10/18/22 15:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			37210	10/18/22 10:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	37126	10/17/22 10:20	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37035	10/17/22 15:24	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	37060	10/17/22 11:00	KS	EET MID
Soluble	Analysis	300.0		1			37162	10/17/22 16:18	CH	EET MID

Client Sample ID: T-2 (0-0.5')

Date Collected: 10/14/22 00:00

Date Received: 10/17/22 09:23

Lab Sample ID: 880-20420-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	37187	10/18/22 08:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37185	10/18/22 11:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37244	10/18/22 15:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			37210	10/18/22 10:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	37126	10/17/22 10:20	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37035	10/17/22 15:46	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	37060	10/17/22 11:00	KS	EET MID
Soluble	Analysis	300.0		50			37162	10/17/22 16:33	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

Client Sample ID: T-2 (0.5-1')
Date Collected: 10/14/22 00:00
Date Received: 10/17/22 09:23

Lab Sample ID: 880-20420-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	37187	10/18/22 08:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37185	10/18/22 11:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37244	10/18/22 15:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			37210	10/18/22 10:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	37126	10/17/22 10:20	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37035	10/17/22 16:29	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	37060	10/17/22 11:00	KS	EET MID
Soluble	Analysis	300.0		1			37162	10/17/22 16:38	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

Laboratory: Eurofins Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8015B NM	8015NM Prep	Solid	Total TPH
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: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-20420-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-20420-1	T-1 (0-1')	Solid	10/14/22 00:00	10/17/22 09:23
880-20420-2	T-1 (1.5')	Solid	10/14/22 00:00	10/17/22 09:23
880-20420-3	T-1 (2')	Solid	10/14/22 00:00	10/17/22 09:23
880-20420-4	T-1 (3')	Solid	10/14/22 00:00	10/17/22 09:23
880-20420-5	T-1 (4')	Solid	10/14/22 00:00	10/17/22 09:23
880-20420-6	T-1 (5')	Solid	10/14/22 00:00	10/17/22 09:23
880-20420-7	T-1 (6')	Solid	10/14/22 00:00	10/17/22 09:23
880-20420-8	T-1 (7')	Solid	10/14/22 00:00	10/17/22 09:23
880-20420-9	T-1 (8')	Solid	10/14/22 00:00	10/17/22 09:23
880-20420-10	T-2 (0-0.5')	Solid	10/14/22 00:00	10/17/22 09:23
880-20420-11	T-2 (0.5-1')	Solid	10/14/22 00:00	10/17/22 09:23

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Work Order No: 20420

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Project Manager	Conner Moehring	Bill to (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St Ste 415	Address	865 North Albion St Ste 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver CO 80220
Phone	432 813 6823	Email	joseph.vargo@nleap.com

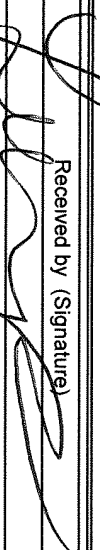
Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Unperfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables EDD ☐ ADAPT ☐ Other	

Project Name	Big Eddy SWD	Turn Around	☐ Routine ☒ Rush	Pass. Code	ANALYSIS REQUEST										Preservative Codes		
Project Number	1105	Due Date	24/72 Hrs													None NO	DI Water H ₂ O
Project Location	Lea 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 ☒ No ☐	Wet Ice	Yes ☒ No ☐												H ₃ PO ₄ HP	
Received Intact	Yes ☒ No ☐	Thermometer ID														NaHSO ₄ NABIS	
Cooler Custody Seals	Yes ☐ No ☒	Correction Factor														Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals	Yes ☐ No ☒	Temperature Reading														Zn Acetate+NaOH Zn	
Total Containers		Corrected Temperature														NaOH+Ascorbic Acid SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0											Sample Comments
T-1 (0-1')	10/14/2022		X		G	1	X	X	X											
T-1 (1-5')	10/14/2022		X		G	1	X	X	X											
T-1 (2')	10/14/2022		X		G	1	X	X	X											
T-1 (3')	10/14/2022		X		G	1	X	X	X											
T-1 (4')	10/14/2022		X		G	1	X	X	X											
T-1 (5')	10/14/2022		X		G	1	X	X	X											
T-1 (6')	10/14/2022		X		G	1	X	X	X											
T-1 (7')	10/14/2022		X		G	1	X	X	X											
T-1 (8')	10/14/2022		X		G	1	X	X	X											
T-2 (0-5')	10/14/2022		X		G	1	X	X	X											



880-20420 Chain of Custody

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	10/17/22		
	923		

Project Manager	Commer Moehring	Bill to (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St Ste 415	Address	865 North Albion St. Ste 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver CO 80220
Phone	432 813 6823	Email	Joseph.vargo@nnglp.com

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

Work Order No: 70470

[illegible][illegible]

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-20420-1

SDG Number: Lea Co, NM

Login Number: 20420

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring
Carmona Resources
310 W Wall St
Ste 415
Midland, Texas 79701

Generated 3/31/2023 12:13:17 PM

JOB DESCRIPTION

Big Eddy SWD
SDG NUMBER Eddy Co, NM

JOB NUMBER

880-26418-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland**Job Notes**

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

Authorization

Generated
3/31/2023 12:13:17 PM

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

Client: Carmona Resources
Project/Site: Big Eddy SWD

Laboratory Job ID: 880-26418-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD 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
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Job ID: 880-26418-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-26418-1****Receipt**

The samples were received on 3/28/2023 8:35 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.0°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: For TPH 8015

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: (MB 880-49835/5-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-49734 and analytical batch 880-49779 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-49734/2-A) and (LCSD 880-49734/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: An incorrect volume of spiking solution was inadvertently added to the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) associated with preparation batch 880-49733 and analytical batch 880-49696. MS/MSD will show recovery for the batch.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-49733/2-A). 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

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-49717 and 880-49717 and analytical batch 880-49834 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. CS-1 (8') (880-26418-1), CS-2 (8') (880-26418-2), CS-3 (8') (880-26418-3), CS-4 (8') (880-26418-4), CS-5 (8') (880-26418-5), CS-6 (8') (880-26418-6), CS-7 (8') (880-26418-7), CS-8 (8') (880-26418-8), CS-9 (8') (880-26418-9), CS-10 (8') (880-26418-10), (880-26418-A-1-B MS) and (880-26418-A-1-C MSD)

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: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Client Sample ID: CS-1 (8')

Lab Sample ID: 880-26418-1

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/29/23 12:18	03/30/23 17:44	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/29/23 12:18	03/30/23 17:44	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/29/23 12:18	03/30/23 17:44	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/29/23 12:18	03/30/23 17:44	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/29/23 12:18	03/30/23 17:44	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/29/23 12:18	03/30/23 17:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	03/29/23 12:18	03/30/23 17:44	1
1,4-Difluorobenzene (Surr)	90		70 - 130	03/29/23 12:18	03/30/23 17:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/31/23 12:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/29/23 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U **	50.0		mg/Kg		03/28/23 11:40	03/28/23 22:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U ** *1	50.0		mg/Kg		03/28/23 11:40	03/28/23 22:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/28/23 11:40	03/28/23 22:12	1
Total TPH	<50.0	U	50.0		mg/Kg		03/28/23 11:40	03/28/23 22:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	03/28/23 11:40	03/28/23 22:12	1
o-Terphenyl	112		70 - 130	03/28/23 11:40	03/28/23 22:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78.5	F1	4.98		mg/Kg			03/28/23 18:26	1

Client Sample ID: CS-2 (8')

Lab Sample ID: 880-26418-2

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/29/23 12:18	03/30/23 18:11	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/29/23 12:18	03/30/23 18:11	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/29/23 12:18	03/30/23 18:11	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/29/23 12:18	03/30/23 18:11	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/29/23 12:18	03/30/23 18:11	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/29/23 12:18	03/30/23 18:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	03/29/23 12:18	03/30/23 18:11	1
1,4-Difluorobenzene (Surr)	97		70 - 130	03/29/23 12:18	03/30/23 18:11	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Client Sample ID: CS-2 (8')

Lab Sample ID: 880-26418-2

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			03/31/23 12:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/29/23 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U **	50.0		mg/Kg		03/28/23 11:40	03/28/23 23:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U ** *1	50.0		mg/Kg		03/28/23 11:40	03/28/23 23:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/28/23 11:40	03/28/23 23:12	1
Total TPH	<50.0	U	50.0		mg/Kg		03/28/23 11:40	03/28/23 23:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	03/28/23 11:40	03/28/23 23:12	1
o-Terphenyl	100		70 - 130	03/28/23 11:40	03/28/23 23:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	115		5.02		mg/Kg			03/28/23 18:40	1

Client Sample ID: CS-3 (8')

Lab Sample ID: 880-26418-3

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/29/23 12:18	03/30/23 18:38	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/29/23 12:18	03/30/23 18:38	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/29/23 12:18	03/30/23 18:38	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/29/23 12:18	03/30/23 18:38	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/29/23 12:18	03/30/23 18:38	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/29/23 12:18	03/30/23 18:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	03/29/23 12:18	03/30/23 18:38	1
1,4-Difluorobenzene (Surr)	88		70 - 130	03/29/23 12:18	03/30/23 18:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/31/23 12:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/29/23 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U **	49.9		mg/Kg		03/28/23 11:40	03/28/23 23:33	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Client Sample ID: CS-3 (8')

Lab Sample ID: 880-26418-3

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U ** *1	49.9		mg/Kg		03/28/23 11:40	03/28/23 23:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/28/23 11:40	03/28/23 23:33	1
Total TPH	<49.9	U	49.9		mg/Kg		03/28/23 11:40	03/28/23 23:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				03/28/23 11:40	03/28/23 23:33	1
o-Terphenyl	87		70 - 130				03/28/23 11:40	03/28/23 23:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.4		5.05		mg/Kg			03/28/23 18:44	1

Client Sample ID: CS-4 (8')

Lab Sample ID: 880-26418-4

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/29/23 12:18	03/30/23 19:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/29/23 12:18	03/30/23 19:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/29/23 12:18	03/30/23 19:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/29/23 12:18	03/30/23 19:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/29/23 12:18	03/30/23 19:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/29/23 12:18	03/30/23 19:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				03/29/23 12:18	03/30/23 19:05	1
1,4-Difluorobenzene (Surr)	91		70 - 130				03/29/23 12:18	03/30/23 19:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/31/23 12:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/29/23 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U **	49.8		mg/Kg		03/28/23 11:40	03/28/23 23:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U ** *1	49.8		mg/Kg		03/28/23 11:40	03/28/23 23:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/28/23 11:40	03/28/23 23:53	1
Total TPH	<49.8	U	49.8		mg/Kg		03/28/23 11:40	03/28/23 23:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				03/28/23 11:40	03/28/23 23:53	1
o-Terphenyl	97		70 - 130				03/28/23 11:40	03/28/23 23:53	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Client Sample ID: CS-4 (8')

Lab Sample ID: 880-26418-4

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.3		5.03		mg/Kg			03/28/23 18:49	1

Client Sample ID: CS-5 (8')

Lab Sample ID: 880-26418-5

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/29/23 12:18	03/30/23 19:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/29/23 12:18	03/30/23 19:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/29/23 12:18	03/30/23 19:32	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/29/23 12:18	03/30/23 19:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/29/23 12:18	03/30/23 19:32	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/29/23 12:18	03/30/23 19:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	03/29/23 12:18	03/30/23 19:32	1
1,4-Difluorobenzene (Surr)	91		70 - 130	03/29/23 12:18	03/30/23 19:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/31/23 12:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/29/23 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U **	50.0		mg/Kg		03/28/23 11:40	03/29/23 00:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U ** *1	50.0		mg/Kg		03/28/23 11:40	03/29/23 00:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/28/23 11:40	03/29/23 00:13	1
Total TPH	<50.0	U	50.0		mg/Kg		03/28/23 11:40	03/29/23 00:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	03/28/23 11:40	03/29/23 00:13	1
o-Terphenyl	92		70 - 130	03/28/23 11:40	03/29/23 00:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83.0		4.99		mg/Kg			03/28/23 18:53	1

Client Sample ID: CS-6 (8')

Lab Sample ID: 880-26418-6

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/29/23 12:18	03/30/23 19:58	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/29/23 12:18	03/30/23 19:58	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Client Sample ID: CS-6 (8')

Lab Sample ID: 880-26418-6

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/29/23 12:18	03/30/23 19:58	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/29/23 12:18	03/30/23 19:58	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/29/23 12:18	03/30/23 19:58	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/29/23 12:18	03/30/23 19:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				03/29/23 12:18	03/30/23 19:58	1
1,4-Difluorobenzene (Surr)	93		70 - 130				03/29/23 12:18	03/30/23 19:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/31/23 12:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/29/23 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *	49.8		mg/Kg		03/28/23 11:40	03/29/23 00:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+ *1	49.8		mg/Kg		03/28/23 11:40	03/29/23 00:33	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/28/23 11:40	03/29/23 00:33	1
Total TPH	<49.8	U	49.8		mg/Kg		03/28/23 11:40	03/29/23 00:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				03/28/23 11:40	03/29/23 00:33	1
o-Terphenyl	96		70 - 130				03/28/23 11:40	03/29/23 00:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.5		4.96		mg/Kg			03/28/23 19:07	1

Client Sample ID: CS-7 (8')

Lab Sample ID: 880-26418-7

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/29/23 12:18	03/30/23 20:25	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/29/23 12:18	03/30/23 20:25	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/29/23 12:18	03/30/23 20:25	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/29/23 12:18	03/30/23 20:25	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/29/23 12:18	03/30/23 20:25	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/29/23 12:18	03/30/23 20:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				03/29/23 12:18	03/30/23 20:25	1
1,4-Difluorobenzene (Surr)	89		70 - 130				03/29/23 12:18	03/30/23 20:25	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Client Sample ID: CS-7 (8')

Lab Sample ID: 880-26418-7

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			03/31/23 12:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/29/23 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U **	49.8		mg/Kg		03/28/23 11:40	03/29/23 00:54	1
Diesel Range Organics (Over C10-C28)	<49.8	U ** *1	49.8		mg/Kg		03/28/23 11:40	03/29/23 00:54	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/28/23 11:40	03/29/23 00:54	1
Total TPH	<49.8	U	49.8		mg/Kg		03/28/23 11:40	03/29/23 00:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	03/28/23 11:40	03/29/23 00:54	1
o-Terphenyl	97		70 - 130	03/28/23 11:40	03/29/23 00:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	136		4.97		mg/Kg			03/28/23 19:12	1

Client Sample ID: CS-8 (8')

Lab Sample ID: 880-26418-8

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/29/23 12:18	03/30/23 20:52	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/29/23 12:18	03/30/23 20:52	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/29/23 12:18	03/30/23 20:52	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/29/23 12:18	03/30/23 20:52	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/29/23 12:18	03/30/23 20:52	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/29/23 12:18	03/30/23 20:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	03/29/23 12:18	03/30/23 20:52	1
1,4-Difluorobenzene (Surr)	103		70 - 130	03/29/23 12:18	03/30/23 20:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/31/23 12:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/29/23 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U **	50.0		mg/Kg		03/28/23 11:40	03/29/23 01:14	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Client Sample ID: CS-8 (8')

Lab Sample ID: 880-26418-8

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U ** *1	50.0		mg/Kg		03/28/23 11:40	03/29/23 01:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/28/23 11:40	03/29/23 01:14	1
Total TPH	<50.0	U	50.0		mg/Kg		03/28/23 11:40	03/29/23 01:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				03/28/23 11:40	03/29/23 01:14	1
o-Terphenyl	98		70 - 130				03/28/23 11:40	03/29/23 01:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99.0		5.04		mg/Kg			03/28/23 19:16	1

Client Sample ID: CS-9 (8')

Lab Sample ID: 880-26418-9

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/29/23 12:18	03/30/23 21:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/29/23 12:18	03/30/23 21:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/29/23 12:18	03/30/23 21:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/29/23 12:18	03/30/23 21:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/29/23 12:18	03/30/23 21:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/29/23 12:18	03/30/23 21:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				03/29/23 12:18	03/30/23 21:19	1
1,4-Difluorobenzene (Surr)	93		70 - 130				03/29/23 12:18	03/30/23 21:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/31/23 12:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/29/23 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U **	49.8		mg/Kg		03/28/23 11:40	03/29/23 01:34	1
Diesel Range Organics (Over C10-C28)	<49.8	U ** *1	49.8		mg/Kg		03/28/23 11:40	03/29/23 01:34	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/28/23 11:40	03/29/23 01:34	1
Total TPH	<49.8	U	49.8		mg/Kg		03/28/23 11:40	03/29/23 01:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				03/28/23 11:40	03/29/23 01:34	1
o-Terphenyl	100		70 - 130				03/28/23 11:40	03/29/23 01:34	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Client Sample ID: CS-9 (8')

Lab Sample ID: 880-26418-9

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	111		5.02		mg/Kg			03/28/23 19:21	1

Client Sample ID: CS-10 (8')

Lab Sample ID: 880-26418-10

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/29/23 12:18	03/30/23 21:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/29/23 12:18	03/30/23 21:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/29/23 12:18	03/30/23 21:46	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/29/23 12:18	03/30/23 21:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/29/23 12:18	03/30/23 21:46	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/29/23 12:18	03/30/23 21:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	03/29/23 12:18	03/30/23 21:46	1
1,4-Difluorobenzene (Surr)	95		70 - 130	03/29/23 12:18	03/30/23 21:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/31/23 12:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/29/23 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U **	49.9		mg/Kg		03/28/23 11:40	03/29/23 01:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U ** *1	49.9		mg/Kg		03/28/23 11:40	03/29/23 01:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/28/23 11:40	03/29/23 01:55	1
Total TPH	<49.9	U	49.9		mg/Kg		03/28/23 11:40	03/29/23 01:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	03/28/23 11:40	03/29/23 01:55	1
o-Terphenyl	99		70 - 130	03/28/23 11:40	03/29/23 01:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	97.0		4.96		mg/Kg			03/28/23 19:25	1

Client Sample ID: CS-11 (8')

Lab Sample ID: 880-26418-11

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/29/23 12:18	03/30/23 23:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/29/23 12:18	03/30/23 23:34	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Client Sample ID: CS-11 (8')

Lab Sample ID: 880-26418-11

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/29/23 12:18	03/30/23 23:34	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/29/23 12:18	03/30/23 23:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/29/23 12:18	03/30/23 23:34	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/29/23 12:18	03/30/23 23:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				03/29/23 12:18	03/30/23 23:34	1
1,4-Difluorobenzene (Surr)	88		70 - 130				03/29/23 12:18	03/30/23 23:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/31/23 12:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/29/23 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		03/28/23 11:40	03/29/23 02:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0		mg/Kg		03/28/23 11:40	03/29/23 02:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/28/23 11:40	03/29/23 02:36	1
Total TPH	<50.0	U	50.0		mg/Kg		03/28/23 11:40	03/29/23 02:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				03/28/23 11:40	03/29/23 02:36	1
o-Terphenyl	97		70 - 130				03/28/23 11:40	03/29/23 02:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	97.4		5.02		mg/Kg			03/28/23 19:30	1

Client Sample ID: CS-12 (8')

Lab Sample ID: 880-26418-12

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/29/23 12:18	03/31/23 00:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/29/23 12:18	03/31/23 00:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/29/23 12:18	03/31/23 00:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/29/23 12:18	03/31/23 00:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/29/23 12:18	03/31/23 00:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/29/23 12:18	03/31/23 00:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				03/29/23 12:18	03/31/23 00:01	1
1,4-Difluorobenzene (Surr)	91		70 - 130				03/29/23 12:18	03/31/23 00:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Client Sample ID: CS-12 (8')

Lab Sample ID: 880-26418-12

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/31/23 12:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/29/23 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U **	49.8		mg/Kg		03/28/23 11:40	03/29/23 02:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U ** *1	49.8		mg/Kg		03/28/23 11:40	03/29/23 02:56	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/28/23 11:40	03/29/23 02:56	1
Total TPH	<49.8	U	49.8		mg/Kg		03/28/23 11:40	03/29/23 02:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	03/28/23 11:40	03/29/23 02:56	1
o-Terphenyl	98		70 - 130	03/28/23 11:40	03/29/23 02:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	118		5.00		mg/Kg			03/28/23 19:43	1

Client Sample ID: CS-13 (8')

Lab Sample ID: 880-26418-13

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/29/23 12:18	03/31/23 00:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/29/23 12:18	03/31/23 00:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/29/23 12:18	03/31/23 00:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/29/23 12:18	03/31/23 00:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/29/23 12:18	03/31/23 00:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/29/23 12:18	03/31/23 00:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	03/29/23 12:18	03/31/23 00:27	1
1,4-Difluorobenzene (Surr)	94		70 - 130	03/29/23 12:18	03/31/23 00:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/31/23 12:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/29/23 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U **	49.9		mg/Kg		03/28/23 11:40	03/29/23 03:16	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Client Sample ID: CS-13 (8')

Lab Sample ID: 880-26418-13

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U ** *1	49.9		mg/Kg		03/28/23 11:40	03/29/23 03:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/28/23 11:40	03/29/23 03:16	1
Total TPH	<49.9	U	49.9		mg/Kg		03/28/23 11:40	03/29/23 03:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				03/28/23 11:40	03/29/23 03:16	1
o-Terphenyl	98		70 - 130				03/28/23 11:40	03/29/23 03:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	126		4.97		mg/Kg			03/28/23 19:48	1

Client Sample ID: CS-14 (8')

Lab Sample ID: 880-26418-14

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/29/23 12:18	03/31/23 00:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/29/23 12:18	03/31/23 00:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/29/23 12:18	03/31/23 00:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/29/23 12:18	03/31/23 00:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/29/23 12:18	03/31/23 00:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/29/23 12:18	03/31/23 00:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				03/29/23 12:18	03/31/23 00:54	1
1,4-Difluorobenzene (Surr)	96		70 - 130				03/29/23 12:18	03/31/23 00:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/31/23 12:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/29/23 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U **	50.0		mg/Kg		03/28/23 11:40	03/29/23 03:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U ** *1	50.0		mg/Kg		03/28/23 11:40	03/29/23 03:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/28/23 11:40	03/29/23 03:36	1
Total TPH	<50.0	U	50.0		mg/Kg		03/28/23 11:40	03/29/23 03:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				03/28/23 11:40	03/29/23 03:36	1
o-Terphenyl	101		70 - 130				03/28/23 11:40	03/29/23 03:36	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Client Sample ID: CS-14 (8')

Lab Sample ID: 880-26418-14

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	106		5.02		mg/Kg			03/28/23 20:02	1

Client Sample ID: CS-15 (8')

Lab Sample ID: 880-26418-15

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/29/23 12:18	03/31/23 01:21	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/29/23 12:18	03/31/23 01:21	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/29/23 12:18	03/31/23 01:21	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/29/23 12:18	03/31/23 01:21	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/29/23 12:18	03/31/23 01:21	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/29/23 12:18	03/31/23 01:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	03/29/23 12:18	03/31/23 01:21	1
1,4-Difluorobenzene (Surr)	98		70 - 130	03/29/23 12:18	03/31/23 01:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			03/31/23 12:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/29/23 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U **	49.9		mg/Kg		03/28/23 11:40	03/29/23 03:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U ** *1	49.9		mg/Kg		03/28/23 11:40	03/29/23 03:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/28/23 11:40	03/29/23 03:57	1
Total TPH	<49.9	U	49.9		mg/Kg		03/28/23 11:40	03/29/23 03:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	03/28/23 11:40	03/29/23 03:57	1
o-Terphenyl	97		70 - 130	03/28/23 11:40	03/29/23 03:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	91.0		5.05		mg/Kg			03/28/23 20:06	1

Client Sample ID: CS-16 (8')

Lab Sample ID: 880-26418-16

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/29/23 12:18	03/31/23 01:48	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/29/23 12:18	03/31/23 01:48	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Client Sample ID: CS-16 (8')

Lab Sample ID: 880-26418-16

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/29/23 12:18	03/31/23 01:48	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/29/23 12:18	03/31/23 01:48	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/29/23 12:18	03/31/23 01:48	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/29/23 12:18	03/31/23 01:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				03/29/23 12:18	03/31/23 01:48	1
1,4-Difluorobenzene (Surr)	92		70 - 130				03/29/23 12:18	03/31/23 01:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			03/31/23 12:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/29/23 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *	49.9		mg/Kg		03/28/23 11:40	03/29/23 04:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9		mg/Kg		03/28/23 11:40	03/29/23 04:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/28/23 11:40	03/29/23 04:17	1
Total TPH	<49.9	U	49.9		mg/Kg		03/28/23 11:40	03/29/23 04:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				03/28/23 11:40	03/29/23 04:17	1
o-Terphenyl	101		70 - 130				03/28/23 11:40	03/29/23 04:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	84.7		4.99		mg/Kg			03/28/23 20:11	1

Client Sample ID: CS-17 (8')

Lab Sample ID: 880-26418-17

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/29/23 12:18	03/31/23 02:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/29/23 12:18	03/31/23 02:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/29/23 12:18	03/31/23 02:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/29/23 12:18	03/31/23 02:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/29/23 12:18	03/31/23 02:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/29/23 12:18	03/31/23 02:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				03/29/23 12:18	03/31/23 02:15	1
1,4-Difluorobenzene (Surr)	94		70 - 130				03/29/23 12:18	03/31/23 02:15	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Client Sample ID: CS-17 (8')

Lab Sample ID: 880-26418-17

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/31/23 12:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/29/23 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U **	50.0		mg/Kg		03/28/23 11:40	03/29/23 04:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U ** *1	50.0		mg/Kg		03/28/23 11:40	03/29/23 04:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/28/23 11:40	03/29/23 04:37	1
Total TPH	<50.0	U	50.0		mg/Kg		03/28/23 11:40	03/29/23 04:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	03/28/23 11:40	03/29/23 04:37	1
o-Terphenyl	101		70 - 130	03/28/23 11:40	03/29/23 04:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	104		4.96		mg/Kg			03/28/23 20:15	1

Client Sample ID: SW-1 (8')

Lab Sample ID: 880-26418-18

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/29/23 12:18	03/31/23 02:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/29/23 12:18	03/31/23 02:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/29/23 12:18	03/31/23 02:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/29/23 12:18	03/31/23 02:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/29/23 12:18	03/31/23 02:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/29/23 12:18	03/31/23 02:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	03/29/23 12:18	03/31/23 02:42	1
1,4-Difluorobenzene (Surr)	93		70 - 130	03/29/23 12:18	03/31/23 02:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			03/31/23 12:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/29/23 17:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		03/28/23 11:43	03/29/23 11:16	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Client Sample ID: SW-1 (8')

Lab Sample ID: 880-26418-18

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/28/23 11:43	03/29/23 11:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/28/23 11:43	03/29/23 11:16	1
Total TPH	<49.9	U	49.9		mg/Kg		03/28/23 11:43	03/29/23 11:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				03/28/23 11:43	03/29/23 11:16	1
o-Terphenyl	104		70 - 130				03/28/23 11:43	03/29/23 11:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	97.6		4.98		mg/Kg			03/28/23 20:20	1

Client Sample ID: SW-2 (8')

Lab Sample ID: 880-26418-19

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/29/23 12:18	03/31/23 03:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/29/23 12:18	03/31/23 03:09	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/29/23 12:18	03/31/23 03:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/29/23 12:18	03/31/23 03:09	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/29/23 12:18	03/31/23 03:09	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/29/23 12:18	03/31/23 03:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				03/29/23 12:18	03/31/23 03:09	1
1,4-Difluorobenzene (Surr)	96		70 - 130				03/29/23 12:18	03/31/23 03:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/31/23 12:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/29/23 17:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		03/28/23 11:43	03/29/23 12:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/28/23 11:43	03/29/23 12:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/28/23 11:43	03/29/23 12:25	1
Total TPH	<50.0	U	50.0		mg/Kg		03/28/23 11:43	03/29/23 12:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				03/28/23 11:43	03/29/23 12:25	1
o-Terphenyl	104		70 - 130				03/28/23 11:43	03/29/23 12:25	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Client Sample ID: SW-2 (8')

Lab Sample ID: 880-26418-19

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	138		5.02		mg/Kg			03/28/23 20:25	1

Client Sample ID: SW-3 (8')

Lab Sample ID: 880-26418-20

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/29/23 12:18	03/31/23 03:36	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/29/23 12:18	03/31/23 03:36	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/29/23 12:18	03/31/23 03:36	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/29/23 12:18	03/31/23 03:36	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/29/23 12:18	03/31/23 03:36	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/29/23 12:18	03/31/23 03:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				03/29/23 12:18	03/31/23 03:36	1
1,4-Difluorobenzene (Surr)	96		70 - 130				03/29/23 12:18	03/31/23 03:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			03/31/23 12:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/29/23 17:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		03/28/23 11:43	03/29/23 12:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/28/23 11:43	03/29/23 12:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/28/23 11:43	03/29/23 12:48	1
Total TPH	<49.9	U	49.9		mg/Kg		03/28/23 11:43	03/29/23 12:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				03/28/23 11:43	03/29/23 12:48	1
o-Terphenyl	105		70 - 130				03/28/23 11:43	03/29/23 12:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.9		5.04		mg/Kg			03/28/23 20:29	1

Client Sample ID: SW-4 (8')

Lab Sample ID: 880-26418-21

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/28/23 16:41	03/30/23 18:33	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/28/23 16:41	03/30/23 18:33	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Client Sample ID: SW-4 (8')

Lab Sample ID: 880-26418-21

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/28/23 16:41	03/30/23 18:33	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		03/28/23 16:41	03/30/23 18:33	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/28/23 16:41	03/30/23 18:33	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		03/28/23 16:41	03/30/23 18:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				03/28/23 16:41	03/30/23 18:33	1
1,4-Difluorobenzene (Surr)	108		70 - 130				03/28/23 16:41	03/30/23 18:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			03/31/23 12:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/29/23 17:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		03/28/23 11:43	03/29/23 13:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/28/23 11:43	03/29/23 13:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/28/23 11:43	03/29/23 13:10	1
Total TPH	<49.9	U	49.9		mg/Kg		03/28/23 11:43	03/29/23 13:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				03/28/23 11:43	03/29/23 13:10	1
o-Terphenyl	108		70 - 130				03/28/23 11:43	03/29/23 13:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	117		4.97		mg/Kg			03/28/23 18:54	1

Client Sample ID: SW-5 (8')

Lab Sample ID: 880-26418-22

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/28/23 16:41	03/30/23 18:53	1
Toluene	0.00658		0.00200		mg/Kg		03/28/23 16:41	03/30/23 18:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/28/23 16:41	03/30/23 18:53	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/28/23 16:41	03/30/23 18:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/28/23 16:41	03/30/23 18:53	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/28/23 16:41	03/30/23 18:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				03/28/23 16:41	03/30/23 18:53	1
1,4-Difluorobenzene (Surr)	82		70 - 130				03/28/23 16:41	03/30/23 18:53	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Client Sample ID: SW-5 (8')

Lab Sample ID: 880-26418-22

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00658		0.00401		mg/Kg			03/31/23 12:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/29/23 17:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		03/28/23 11:43	03/29/23 13:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/28/23 11:43	03/29/23 13:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/28/23 11:43	03/29/23 13:32	1
Total TPH	<49.9	U	49.9		mg/Kg		03/28/23 11:43	03/29/23 13:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	03/28/23 11:43	03/29/23 13:32	1
o-Terphenyl	115		70 - 130	03/28/23 11:43	03/29/23 13:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	103		5.00		mg/Kg			03/28/23 19:09	1

Client Sample ID: SW-6 (8')

Lab Sample ID: 880-26418-23

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/28/23 16:41	03/30/23 19:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/28/23 16:41	03/30/23 19:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/28/23 16:41	03/30/23 19:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/28/23 16:41	03/30/23 19:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/28/23 16:41	03/30/23 19:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/28/23 16:41	03/30/23 19:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	03/28/23 16:41	03/30/23 19:14	1
1,4-Difluorobenzene (Surr)	106		70 - 130	03/28/23 16:41	03/30/23 19:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/31/23 12:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/29/23 17:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		03/28/23 11:43	03/29/23 13:54	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Client Sample ID: SW-6 (8')

Lab Sample ID: 880-26418-23

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/28/23 11:43	03/29/23 13:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/28/23 11:43	03/29/23 13:54	1
Total TPH	<50.0	U	50.0		mg/Kg		03/28/23 11:43	03/29/23 13:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				03/28/23 11:43	03/29/23 13:54	1
o-Terphenyl	116		70 - 130				03/28/23 11:43	03/29/23 13:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	102		5.02		mg/Kg			03/28/23 19:14	1

Client Sample ID: SW-7 (8')

Lab Sample ID: 880-26418-24

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/28/23 16:41	03/30/23 19:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/28/23 16:41	03/30/23 19:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/28/23 16:41	03/30/23 19:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/28/23 16:41	03/30/23 19:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/28/23 16:41	03/30/23 19:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/28/23 16:41	03/30/23 19:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				03/28/23 16:41	03/30/23 19:34	1
1,4-Difluorobenzene (Surr)	109		70 - 130				03/28/23 16:41	03/30/23 19:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/31/23 12:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/29/23 17:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		03/28/23 11:43	03/29/23 14:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/28/23 11:43	03/29/23 14:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/28/23 11:43	03/29/23 14:16	1
Total TPH	<50.0	U	50.0		mg/Kg		03/28/23 11:43	03/29/23 14:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				03/28/23 11:43	03/29/23 14:16	1
o-Terphenyl	105		70 - 130				03/28/23 11:43	03/29/23 14:16	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Client Sample ID: SW-7 (8')

Lab Sample ID: 880-26418-24

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99.1		5.04		mg/Kg			03/28/23 19:18	1

Client Sample ID: SW-8 (8')

Lab Sample ID: 880-26418-25

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/28/23 16:41	03/30/23 19:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/28/23 16:41	03/30/23 19:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/28/23 16:41	03/30/23 19:55	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/28/23 16:41	03/30/23 19:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/28/23 16:41	03/30/23 19:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/28/23 16:41	03/30/23 19:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	03/28/23 16:41	03/30/23 19:55	1
1,4-Difluorobenzene (Surr)	106		70 - 130	03/28/23 16:41	03/30/23 19:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/31/23 12:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/29/23 17:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		03/28/23 11:43	03/29/23 14:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/28/23 11:43	03/29/23 14:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/28/23 11:43	03/29/23 14:38	1
Total TPH	<49.9	U	49.9		mg/Kg		03/28/23 11:43	03/29/23 14:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	03/28/23 11:43	03/29/23 14:38	1
o-Terphenyl	99		70 - 130	03/28/23 11:43	03/29/23 14:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45.9		4.99		mg/Kg			03/28/23 19:23	1

Client Sample ID: SW-9 (8')

Lab Sample ID: 880-26418-26

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/28/23 16:41	03/30/23 20:15	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/28/23 16:41	03/30/23 20:15	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Client Sample ID: SW-9 (8')

Lab Sample ID: 880-26418-26

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/28/23 16:41	03/30/23 20:15	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/28/23 16:41	03/30/23 20:15	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/28/23 16:41	03/30/23 20:15	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/28/23 16:41	03/30/23 20:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				03/28/23 16:41	03/30/23 20:15	1
1,4-Difluorobenzene (Surr)	104		70 - 130				03/28/23 16:41	03/30/23 20:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			03/31/23 12:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/29/23 17:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		03/28/23 11:43	03/29/23 15:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/28/23 11:43	03/29/23 15:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/28/23 11:43	03/29/23 15:00	1
Total TPH	<49.9	U	49.9		mg/Kg		03/28/23 11:43	03/29/23 15:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				03/28/23 11:43	03/29/23 15:00	1
o-Terphenyl	96		70 - 130				03/28/23 11:43	03/29/23 15:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.9		5.03		mg/Kg			03/28/23 19:38	1

Client Sample ID: SW-10 (8')

Lab Sample ID: 880-26418-27

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/28/23 16:41	03/30/23 20:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/28/23 16:41	03/30/23 20:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/28/23 16:41	03/30/23 20:36	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/28/23 16:41	03/30/23 20:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/28/23 16:41	03/30/23 20:36	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/28/23 16:41	03/30/23 20:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				03/28/23 16:41	03/30/23 20:36	1
1,4-Difluorobenzene (Surr)	101		70 - 130				03/28/23 16:41	03/30/23 20:36	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Client Sample ID: SW-10 (8')

Lab Sample ID: 880-26418-27

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/31/23 12:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/29/23 17:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		03/28/23 11:43	03/29/23 15:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/28/23 11:43	03/29/23 15:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/28/23 11:43	03/29/23 15:22	1
Total TPH	<49.9	U	49.9		mg/Kg		03/28/23 11:43	03/29/23 15:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	03/28/23 11:43	03/29/23 15:22	1
o-Terphenyl	114		70 - 130	03/28/23 11:43	03/29/23 15:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		5.01		mg/Kg			03/28/23 19:43	1

Client Sample ID: SW-11 (8')

Lab Sample ID: 880-26418-28

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/28/23 16:41	03/30/23 20:56	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/28/23 16:41	03/30/23 20:56	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/28/23 16:41	03/30/23 20:56	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/28/23 16:41	03/30/23 20:56	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/28/23 16:41	03/30/23 20:56	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/28/23 16:41	03/30/23 20:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	03/28/23 16:41	03/30/23 20:56	1
1,4-Difluorobenzene (Surr)	110		70 - 130	03/28/23 16:41	03/30/23 20:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/31/23 12:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/29/23 17:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		03/28/23 11:43	03/29/23 16:07	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Client Sample ID: SW-11 (8')

Lab Sample ID: 880-26418-28

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/28/23 11:43	03/29/23 16:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/28/23 11:43	03/29/23 16:07	1
Total TPH	<49.9	U	49.9		mg/Kg		03/28/23 11:43	03/29/23 16:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				03/28/23 11:43	03/29/23 16:07	1
o-Terphenyl	96		70 - 130				03/28/23 11:43	03/29/23 16:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		4.97		mg/Kg			03/28/23 19:48	1

Client Sample ID: SW-12 (8')

Lab Sample ID: 880-26418-29

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/28/23 16:41	03/30/23 21:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/28/23 16:41	03/30/23 21:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/28/23 16:41	03/30/23 21:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/28/23 16:41	03/30/23 21:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/28/23 16:41	03/30/23 21:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/28/23 16:41	03/30/23 21:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				03/28/23 16:41	03/30/23 21:17	1
1,4-Difluorobenzene (Surr)	106		70 - 130				03/28/23 16:41	03/30/23 21:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/31/23 12:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/29/23 17:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		03/28/23 11:43	03/29/23 16:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/28/23 11:43	03/29/23 16:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/28/23 11:43	03/29/23 16:29	1
Total TPH	<50.0	U	50.0		mg/Kg		03/28/23 11:43	03/29/23 16:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				03/28/23 11:43	03/29/23 16:29	1
o-Terphenyl	101		70 - 130				03/28/23 11:43	03/29/23 16:29	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Client Sample ID: SW-12 (8')
Date Collected: 03/27/23 00:00
Date Received: 03/28/23 08:35

Lab Sample ID: 880-26418-29
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.0		4.96		mg/Kg			03/28/23 19:52	1

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

Surrogate Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-26282-A-81-G MS	Matrix Spike	103	108
880-26282-A-81-H MSD	Matrix Spike Duplicate	96	105
880-26418-1	CS-1 (8')	105	90
880-26418-1 MS	CS-1 (8')	103	106
880-26418-1 MSD	CS-1 (8')	105	91
880-26418-2	CS-2 (8')	108	97
880-26418-3	CS-3 (8')	101	88
880-26418-4	CS-4 (8')	113	91
880-26418-5	CS-5 (8')	103	91
880-26418-6	CS-6 (8')	108	93
880-26418-7	CS-7 (8')	112	89
880-26418-8	CS-8 (8')	107	103
880-26418-9	CS-9 (8')	107	93
880-26418-10	CS-10 (8')	110	95
880-26418-11	CS-11 (8')	97	88
880-26418-12	CS-12 (8')	102	91
880-26418-13	CS-13 (8')	115	94
880-26418-14	CS-14 (8')	107	96
880-26418-15	CS-15 (8')	112	98
880-26418-16	CS-16 (8')	113	92
880-26418-17	CS-17 (8')	113	94
880-26418-18	SW-1 (8')	104	93
880-26418-19	SW-2 (8')	105	96
880-26418-20	SW-3 (8')	113	96
880-26418-21	SW-4 (8')	107	108
880-26418-22	SW-5 (8')	94	82
880-26418-23	SW-6 (8')	102	106
880-26418-24	SW-7 (8')	104	109
880-26418-25	SW-8 (8')	102	106
880-26418-26	SW-9 (8')	100	104
880-26418-27	SW-10 (8')	102	101
880-26418-28	SW-11 (8')	108	110
880-26418-29	SW-12 (8')	103	106
LCS 880-49668/1-A	Lab Control Sample	97	110
LCS 880-49835/1-A	Lab Control Sample	102	110
LCSD 880-49668/2-A	Lab Control Sample Dup	99	108
LCSD 880-49835/2-A	Lab Control Sample Dup	98	83
MB 880-49668/5-A	Method Blank	86	101
MB 880-49835/5-A	Method Blank	67 S1-	87

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-26418-1

Project/Site: Big Eddy SWD

SDG: Eddy Co, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-26418-1	CS-1 (8')	121	112
880-26418-1 MS	CS-1 (8')	125	103
880-26418-1 MSD	CS-1 (8')	123	103
880-26418-2	CS-2 (8')	107	100
880-26418-3	CS-3 (8')	98	87
880-26418-4	CS-4 (8')	106	97
880-26418-5	CS-5 (8')	101	92
880-26418-6	CS-6 (8')	104	96
880-26418-7	CS-7 (8')	104	97
880-26418-8	CS-8 (8')	105	98
880-26418-9	CS-9 (8')	107	100
880-26418-10	CS-10 (8')	107	99
880-26418-11	CS-11 (8')	107	97
880-26418-12	CS-12 (8')	106	98
880-26418-13	CS-13 (8')	111	98
880-26418-14	CS-14 (8')	110	101
880-26418-15	CS-15 (8')	108	97
880-26418-16	CS-16 (8')	111	101
880-26418-17	CS-17 (8')	111	101
880-26418-18	SW-1 (8')	95	104
880-26418-18 MS	SW-1 (8')	102	102
880-26418-18 MSD	SW-1 (8')	113	112
880-26418-19	SW-2 (8')	93	104
880-26418-20	SW-3 (8')	98	105
880-26418-21	SW-4 (8')	98	108
880-26418-22	SW-5 (8')	107	115
880-26418-23	SW-6 (8')	105	116
880-26418-24	SW-7 (8')	93	105
880-26418-25	SW-8 (8')	89	99
880-26418-26	SW-9 (8')	88	96
880-26418-27	SW-10 (8')	103	114
880-26418-28	SW-11 (8')	86	96
880-26418-29	SW-12 (8')	91	101
LCS 880-49733/2-A	Lab Control Sample	134 S1+	113
LCS 880-49734/2-A	Lab Control Sample	132 S1+	154 S1+
LCSD 880-49733/3-A	Lab Control Sample Dup	122	108
LCSD 880-49734/3-A	Lab Control Sample Dup	122	132 S1+
MB 880-49733/1-A	Method Blank	126	121
MB 880-49734/1-A	Method Blank	115	127

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-49668/5-A

Matrix: Solid

Analysis Batch: 49921

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 49668

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/27/23 16:41	03/30/23 12:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/27/23 16:41	03/30/23 12:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/27/23 16:41	03/30/23 12:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/27/23 16:41	03/30/23 12:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/27/23 16:41	03/30/23 12:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/27/23 16:41	03/30/23 12:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	03/27/23 16:41	03/30/23 12:49	1
1,4-Difluorobenzene (Surr)	101		70 - 130	03/27/23 16:41	03/30/23 12:49	1

Lab Sample ID: LCS 880-49668/1-A

Matrix: Solid

Analysis Batch: 49921

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 49668

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1106		mg/Kg		111	70 - 130
Toluene	0.100	0.1078		mg/Kg		108	70 - 130
Ethylbenzene	0.100	0.09809		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.1929		mg/Kg		96	70 - 130
o-Xylene	0.100	0.09750		mg/Kg		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: LCSD 880-49668/2-A

Matrix: Solid

Analysis Batch: 49921

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 49668

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1093		mg/Kg		109	70 - 130	1	35
Toluene	0.100	0.1087		mg/Kg		109	70 - 130	1	35
Ethylbenzene	0.100	0.09789		mg/Kg		98	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1927		mg/Kg		96	70 - 130	0	35
o-Xylene	0.100	0.09709		mg/Kg		97	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 880-26282-A-81-G MS

Matrix: Solid

Analysis Batch: 49921

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 49668

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.1028		mg/Kg		103	70 - 130
Toluene	<0.00200	U	0.0998	0.1021		mg/Kg		101	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-26282-A-81-G MS

Matrix: Solid

Analysis Batch: 49921

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 49668

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.0998	0.09248		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1819		mg/Kg		91	70 - 130
o-Xylene	<0.00200	U	0.0998	0.09104		mg/Kg		91	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 880-26282-A-81-H MSD

Matrix: Solid

Analysis Batch: 49921

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 49668

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.09538		mg/Kg		96	70 - 130	8	35
Toluene	<0.00200	U	0.0990	0.09252		mg/Kg		92	70 - 130	10	35
Ethylbenzene	<0.00200	U	0.0990	0.08453		mg/Kg		85	70 - 130	9	35
m-Xylene & p-Xylene	<0.00401	U	0.198	0.1662		mg/Kg		84	70 - 130	9	35
o-Xylene	<0.00200	U	0.0990	0.08314		mg/Kg		84	70 - 130	9	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: MB 880-49835/5-A

Matrix: Solid

Analysis Batch: 49972

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 49835

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/29/23 12:18	03/30/23 17:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/29/23 12:18	03/30/23 17:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/29/23 12:18	03/30/23 17:18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/29/23 12:18	03/30/23 17:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/29/23 12:18	03/30/23 17:18	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/29/23 12:18	03/30/23 17:18	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67	S1-	70 - 130	03/29/23 12:18	03/30/23 17:18	1
1,4-Difluorobenzene (Surr)	87		70 - 130	03/29/23 12:18	03/30/23 17:18	1

Lab Sample ID: LCS 880-49835/1-A

Matrix: Solid

Analysis Batch: 49972

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 49835

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1084		mg/Kg		108	70 - 130
Toluene	0.100	0.1066		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.1076		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	0.200	0.2155		mg/Kg		108	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-49835/1-A

Matrix: Solid

Analysis Batch: 49972

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 49835

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1098		mg/Kg		110	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: LCSD 880-49835/2-A

Matrix: Solid

Analysis Batch: 49972

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 49835

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1106		mg/Kg		111	70 - 130	2	35
Toluene	0.100	0.1024		mg/Kg		102	70 - 130	4	35
Ethylbenzene	0.100	0.1084		mg/Kg		108	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2185		mg/Kg		109	70 - 130	1	35
o-Xylene	0.100	0.1114		mg/Kg		111	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	83		70 - 130

Lab Sample ID: 880-26418-1 MS

Matrix: Solid

Analysis Batch: 49972

Client Sample ID: CS-1 (8')

Prep Type: Total/NA

Prep Batch: 49835

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.101	0.1170		mg/Kg		116	70 - 130
Toluene	<0.00201	U	0.101	0.09939		mg/Kg		99	70 - 130
Ethylbenzene	<0.00201	U	0.101	0.1013		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.202	0.2027		mg/Kg		101	70 - 130
o-Xylene	<0.00201	U	0.101	0.1021		mg/Kg		101	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-26418-1 MSD

Matrix: Solid

Analysis Batch: 49972

Client Sample ID: CS-1 (8')

Prep Type: Total/NA

Prep Batch: 49835

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0990	0.1126		mg/Kg		114	70 - 130	4	35
Toluene	<0.00201	U	0.0990	0.1033		mg/Kg		104	70 - 130	4	35
Ethylbenzene	<0.00201	U	0.0990	0.1032		mg/Kg		104	70 - 130	2	35
m-Xylene & p-Xylene	<0.00402	U	0.198	0.2069		mg/Kg		104	70 - 130	2	35
o-Xylene	<0.00201	U	0.0990	0.1043		mg/Kg		105	70 - 130	2	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-26418-1 MSD

Matrix: Solid

Analysis Batch: 49972

Client Sample ID: CS-1 (8')

Prep Type: Total/NA

Prep Batch: 49835

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

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

Lab Sample ID: MB 880-49733/1-A

Matrix: Solid

Analysis Batch: 49696

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 49733

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Result	Qualifier								
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/28/23 11:40	03/28/23 21:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/28/23 11:40	03/28/23 21:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/28/23 11:40	03/28/23 21:11	1
Total TPH	<50.0	U	50.0		mg/Kg		03/28/23 11:40	03/28/23 21:11	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
%Recovery	Qualifier					
1-Chlorooctane	126		70 - 130	03/28/23 11:40	03/28/23 21:11	1
o-Terphenyl	121		70 - 130	03/28/23 11:40	03/28/23 21:11	1

Lab Sample ID: LCS 880-49733/2-A

Matrix: Solid

Analysis Batch: 49696

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 49733

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	2345	*+	mg/Kg		235	70 - 130
Diesel Range Organics (Over C10-C28)	1000	2154	*+	mg/Kg		215	70 - 130

Surrogate	LCS	LCS	Limits
%Recovery	Qualifier		
1-Chlorooctane	134	S1+	70 - 130
o-Terphenyl	113		70 - 130

Lab Sample ID: LCSD 880-49733/3-A

Matrix: Solid

Analysis Batch: 49696

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 49733

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	2080	*+	mg/Kg		208	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	1000	1724	*+ *1	mg/Kg		172	70 - 130	22	20

Surrogate	LCSD	LCSD	Limits
%Recovery	Qualifier		
1-Chlorooctane	122		70 - 130
o-Terphenyl	108		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-26418-1 MS

Matrix: Solid

Analysis Batch: 49696

Client Sample ID: CS-1 (8')

Prep Type: Total/NA

Prep Batch: 49733

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U **	998	1025		mg/Kg		100	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U ** *1	998	891.7		mg/Kg		87	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	125		70 - 130						
o-Terphenyl	103		70 - 130						

Lab Sample ID: 880-26418-1 MSD

Matrix: Solid

Analysis Batch: 49696

Client Sample ID: CS-1 (8')

Prep Type: Total/NA

Prep Batch: 49733

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U **	999	1015		mg/Kg		99	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U ** *1	999	873.1		mg/Kg		85	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	123		70 - 130								
o-Terphenyl	103		70 - 130								

Lab Sample ID: MB 880-49734/1-A

Matrix: Solid

Analysis Batch: 49779

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 49734

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		03/28/23 11:43	03/29/23 08:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/28/23 11:43	03/29/23 08:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/28/23 11:43	03/29/23 08:17	1
Total TPH	<50.0	U	50.0		mg/Kg		03/28/23 11:43	03/29/23 08:17	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				03/28/23 11:43	03/29/23 08:17	1
o-Terphenyl	127		70 - 130				03/28/23 11:43	03/29/23 08:17	1

Lab Sample ID: LCS 880-49734/2-A

Matrix: Solid

Analysis Batch: 49779

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 49734

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1114		mg/Kg		111	70 - 130
Diesel Range Organics (Over C10-C28)	1000	934.9		mg/Kg		93	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-49734/2-A

Matrix: Solid

Analysis Batch: 49779

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 49734

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	132	S1+	70 - 130
o-Terphenyl	154	S1+	70 - 130

Lab Sample ID: LCSD 880-49734/3-A

Matrix: Solid

Analysis Batch: 49779

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 49734

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	893.2	*1	mg/Kg		89	70 - 130	22	20
Diesel Range Organics (Over C10-C28)	1000	857.1		mg/Kg		86	70 - 130	9	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	122		70 - 130
o-Terphenyl	132	S1+	70 - 130

Lab Sample ID: 880-26418-18 MS

Matrix: Solid

Analysis Batch: 49779

Client Sample ID: SW-1 (8')

Prep Type: Total/NA

Prep Batch: 49734

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	921.6		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1017		mg/Kg		100	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	102		70 - 130

Lab Sample ID: 880-26418-18 MSD

Matrix: Solid

Analysis Batch: 49779

Client Sample ID: SW-1 (8')

Prep Type: Total/NA

Prep Batch: 49734

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	956.6		mg/Kg		94	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1133		mg/Kg		111	70 - 130	11	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	113		70 - 130
o-Terphenyl	112		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-49716/1-A

Matrix: Solid

Analysis Batch: 49833

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			03/28/23 18:39	1

Lab Sample ID: LCS 880-49716/2-A

Matrix: Solid

Analysis Batch: 49833

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	261.0		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-49716/3-A

Matrix: Solid

Analysis Batch: 49833

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	262.3		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-26418-21 MS

Matrix: Solid

Analysis Batch: 49833

Client Sample ID: SW-4 (8')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	117		249	376.3		mg/Kg		104	90 - 110

Lab Sample ID: 880-26418-21 MSD

Matrix: Solid

Analysis Batch: 49833

Client Sample ID: SW-4 (8')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	117		249	377.1		mg/Kg		105	90 - 110	0	20

Lab Sample ID: MB 880-49717/1-A

Matrix: Solid

Analysis Batch: 49834

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			03/28/23 18:13	1

Lab Sample ID: LCS 880-49717/2-A

Matrix: Solid

Analysis Batch: 49834

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	250.9		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-49717/3-A

Matrix: Solid

Analysis Batch: 49834

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	245.7		mg/Kg		98	90 - 110	2	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-26418-1 MS

Matrix: Solid

Analysis Batch: 49834

Client Sample ID: CS-1 (8')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	78.5	F1	249	355.1	F1	mg/Kg		111	90 - 110		

Lab Sample ID: 880-26418-1 MSD

Matrix: Solid

Analysis Batch: 49834

Client Sample ID: CS-1 (8')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	78.5	F1	249	350.3		mg/Kg		109	90 - 110	1	20

Lab Sample ID: 880-26418-11 MS

Matrix: Solid

Analysis Batch: 49834

Client Sample ID: CS-11 (8')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	97.4		251	346.3		mg/Kg		99	90 - 110		

Lab Sample ID: 880-26418-11 MSD

Matrix: Solid

Analysis Batch: 49834

Client Sample ID: CS-11 (8')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	97.4		251	344.2		mg/Kg		98	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 49668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26418-21	SW-4 (8')	Total/NA	Solid	5035	
880-26418-22	SW-5 (8')	Total/NA	Solid	5035	
880-26418-23	SW-6 (8')	Total/NA	Solid	5035	
880-26418-24	SW-7 (8')	Total/NA	Solid	5035	
880-26418-25	SW-8 (8')	Total/NA	Solid	5035	
880-26418-26	SW-9 (8')	Total/NA	Solid	5035	
880-26418-27	SW-10 (8')	Total/NA	Solid	5035	
880-26418-28	SW-11 (8')	Total/NA	Solid	5035	
880-26418-29	SW-12 (8')	Total/NA	Solid	5035	
MB 880-49668/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-49668/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-49668/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-26282-A-81-G MS	Matrix Spike	Total/NA	Solid	5035	
880-26282-A-81-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 49835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26418-1	CS-1 (8')	Total/NA	Solid	5035	
880-26418-2	CS-2 (8')	Total/NA	Solid	5035	
880-26418-3	CS-3 (8')	Total/NA	Solid	5035	
880-26418-4	CS-4 (8')	Total/NA	Solid	5035	
880-26418-5	CS-5 (8')	Total/NA	Solid	5035	
880-26418-6	CS-6 (8')	Total/NA	Solid	5035	
880-26418-7	CS-7 (8')	Total/NA	Solid	5035	
880-26418-8	CS-8 (8')	Total/NA	Solid	5035	
880-26418-9	CS-9 (8')	Total/NA	Solid	5035	
880-26418-10	CS-10 (8')	Total/NA	Solid	5035	
880-26418-11	CS-11 (8')	Total/NA	Solid	5035	
880-26418-12	CS-12 (8')	Total/NA	Solid	5035	
880-26418-13	CS-13 (8')	Total/NA	Solid	5035	
880-26418-14	CS-14 (8')	Total/NA	Solid	5035	
880-26418-15	CS-15 (8')	Total/NA	Solid	5035	
880-26418-16	CS-16 (8')	Total/NA	Solid	5035	
880-26418-17	CS-17 (8')	Total/NA	Solid	5035	
880-26418-18	SW-1 (8')	Total/NA	Solid	5035	
880-26418-19	SW-2 (8')	Total/NA	Solid	5035	
880-26418-20	SW-3 (8')	Total/NA	Solid	5035	
MB 880-49835/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-49835/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-49835/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-26418-1 MS	CS-1 (8')	Total/NA	Solid	5035	
880-26418-1 MSD	CS-1 (8')	Total/NA	Solid	5035	

Analysis Batch: 49921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26418-21	SW-4 (8')	Total/NA	Solid	8021B	49668
880-26418-22	SW-5 (8')	Total/NA	Solid	8021B	49668
880-26418-23	SW-6 (8')	Total/NA	Solid	8021B	49668
880-26418-24	SW-7 (8')	Total/NA	Solid	8021B	49668
880-26418-25	SW-8 (8')	Total/NA	Solid	8021B	49668
880-26418-26	SW-9 (8')	Total/NA	Solid	8021B	49668

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QC Association Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

GC VOA (Continued)

Analysis Batch: 49921 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26418-27	SW-10 (8')	Total/NA	Solid	8021B	49668
880-26418-28	SW-11 (8')	Total/NA	Solid	8021B	49668
880-26418-29	SW-12 (8')	Total/NA	Solid	8021B	49668
MB 880-49668/5-A	Method Blank	Total/NA	Solid	8021B	49668
LCS 880-49668/1-A	Lab Control Sample	Total/NA	Solid	8021B	49668
LCSD 880-49668/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	49668
880-26282-A-81-G MS	Matrix Spike	Total/NA	Solid	8021B	49668
880-26282-A-81-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	49668

Analysis Batch: 49972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26418-1	CS-1 (8')	Total/NA	Solid	8021B	49835
880-26418-2	CS-2 (8')	Total/NA	Solid	8021B	49835
880-26418-3	CS-3 (8')	Total/NA	Solid	8021B	49835
880-26418-4	CS-4 (8')	Total/NA	Solid	8021B	49835
880-26418-5	CS-5 (8')	Total/NA	Solid	8021B	49835
880-26418-6	CS-6 (8')	Total/NA	Solid	8021B	49835
880-26418-7	CS-7 (8')	Total/NA	Solid	8021B	49835
880-26418-8	CS-8 (8')	Total/NA	Solid	8021B	49835
880-26418-9	CS-9 (8')	Total/NA	Solid	8021B	49835
880-26418-10	CS-10 (8')	Total/NA	Solid	8021B	49835
880-26418-11	CS-11 (8')	Total/NA	Solid	8021B	49835
880-26418-12	CS-12 (8')	Total/NA	Solid	8021B	49835
880-26418-13	CS-13 (8')	Total/NA	Solid	8021B	49835
880-26418-14	CS-14 (8')	Total/NA	Solid	8021B	49835
880-26418-15	CS-15 (8')	Total/NA	Solid	8021B	49835
880-26418-16	CS-16 (8')	Total/NA	Solid	8021B	49835
880-26418-17	CS-17 (8')	Total/NA	Solid	8021B	49835
880-26418-18	SW-1 (8')	Total/NA	Solid	8021B	49835
880-26418-19	SW-2 (8')	Total/NA	Solid	8021B	49835
880-26418-20	SW-3 (8')	Total/NA	Solid	8021B	49835
MB 880-49835/5-A	Method Blank	Total/NA	Solid	8021B	49835
LCS 880-49835/1-A	Lab Control Sample	Total/NA	Solid	8021B	49835
LCSD 880-49835/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	49835
880-26418-1 MS	CS-1 (8')	Total/NA	Solid	8021B	49835
880-26418-1 MSD	CS-1 (8')	Total/NA	Solid	8021B	49835

Analysis Batch: 50037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26418-1	CS-1 (8')	Total/NA	Solid	Total BTEX	
880-26418-2	CS-2 (8')	Total/NA	Solid	Total BTEX	
880-26418-3	CS-3 (8')	Total/NA	Solid	Total BTEX	
880-26418-4	CS-4 (8')	Total/NA	Solid	Total BTEX	
880-26418-5	CS-5 (8')	Total/NA	Solid	Total BTEX	
880-26418-6	CS-6 (8')	Total/NA	Solid	Total BTEX	
880-26418-7	CS-7 (8')	Total/NA	Solid	Total BTEX	
880-26418-8	CS-8 (8')	Total/NA	Solid	Total BTEX	
880-26418-9	CS-9 (8')	Total/NA	Solid	Total BTEX	
880-26418-10	CS-10 (8')	Total/NA	Solid	Total BTEX	
880-26418-11	CS-11 (8')	Total/NA	Solid	Total BTEX	
880-26418-12	CS-12 (8')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

GC VOA (Continued)

Analysis Batch: 50037 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26418-13	CS-13 (8')	Total/NA	Solid	Total BTEX	
880-26418-14	CS-14 (8')	Total/NA	Solid	Total BTEX	
880-26418-15	CS-15 (8')	Total/NA	Solid	Total BTEX	
880-26418-16	CS-16 (8')	Total/NA	Solid	Total BTEX	
880-26418-17	CS-17 (8')	Total/NA	Solid	Total BTEX	
880-26418-18	SW-1 (8')	Total/NA	Solid	Total BTEX	
880-26418-19	SW-2 (8')	Total/NA	Solid	Total BTEX	
880-26418-20	SW-3 (8')	Total/NA	Solid	Total BTEX	
880-26418-21	SW-4 (8')	Total/NA	Solid	Total BTEX	
880-26418-22	SW-5 (8')	Total/NA	Solid	Total BTEX	
880-26418-23	SW-6 (8')	Total/NA	Solid	Total BTEX	
880-26418-24	SW-7 (8')	Total/NA	Solid	Total BTEX	
880-26418-25	SW-8 (8')	Total/NA	Solid	Total BTEX	
880-26418-26	SW-9 (8')	Total/NA	Solid	Total BTEX	
880-26418-27	SW-10 (8')	Total/NA	Solid	Total BTEX	
880-26418-28	SW-11 (8')	Total/NA	Solid	Total BTEX	
880-26418-29	SW-12 (8')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 49696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26418-1	CS-1 (8')	Total/NA	Solid	8015B NM	49733
880-26418-2	CS-2 (8')	Total/NA	Solid	8015B NM	49733
880-26418-3	CS-3 (8')	Total/NA	Solid	8015B NM	49733
880-26418-4	CS-4 (8')	Total/NA	Solid	8015B NM	49733
880-26418-5	CS-5 (8')	Total/NA	Solid	8015B NM	49733
880-26418-6	CS-6 (8')	Total/NA	Solid	8015B NM	49733
880-26418-7	CS-7 (8')	Total/NA	Solid	8015B NM	49733
880-26418-8	CS-8 (8')	Total/NA	Solid	8015B NM	49733
880-26418-9	CS-9 (8')	Total/NA	Solid	8015B NM	49733
880-26418-10	CS-10 (8')	Total/NA	Solid	8015B NM	49733
880-26418-11	CS-11 (8')	Total/NA	Solid	8015B NM	49733
880-26418-12	CS-12 (8')	Total/NA	Solid	8015B NM	49733
880-26418-13	CS-13 (8')	Total/NA	Solid	8015B NM	49733
880-26418-14	CS-14 (8')	Total/NA	Solid	8015B NM	49733
880-26418-15	CS-15 (8')	Total/NA	Solid	8015B NM	49733
880-26418-16	CS-16 (8')	Total/NA	Solid	8015B NM	49733
880-26418-17	CS-17 (8')	Total/NA	Solid	8015B NM	49733
MB 880-49733/1-A	Method Blank	Total/NA	Solid	8015B NM	49733
LCS 880-49733/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	49733
LCSD 880-49733/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	49733
880-26418-1 MS	CS-1 (8')	Total/NA	Solid	8015B NM	49733
880-26418-1 MSD	CS-1 (8')	Total/NA	Solid	8015B NM	49733

Prep Batch: 49733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26418-1	CS-1 (8')	Total/NA	Solid	8015NM Prep	
880-26418-2	CS-2 (8')	Total/NA	Solid	8015NM Prep	
880-26418-3	CS-3 (8')	Total/NA	Solid	8015NM Prep	
880-26418-4	CS-4 (8')	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Prep Batch: 49733 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26418-5	CS-5 (8')	Total/NA	Solid	8015NM Prep	
880-26418-6	CS-6 (8')	Total/NA	Solid	8015NM Prep	
880-26418-7	CS-7 (8')	Total/NA	Solid	8015NM Prep	
880-26418-8	CS-8 (8')	Total/NA	Solid	8015NM Prep	
880-26418-9	CS-9 (8')	Total/NA	Solid	8015NM Prep	
880-26418-10	CS-10 (8')	Total/NA	Solid	8015NM Prep	
880-26418-11	CS-11 (8')	Total/NA	Solid	8015NM Prep	
880-26418-12	CS-12 (8')	Total/NA	Solid	8015NM Prep	
880-26418-13	CS-13 (8')	Total/NA	Solid	8015NM Prep	
880-26418-14	CS-14 (8')	Total/NA	Solid	8015NM Prep	
880-26418-15	CS-15 (8')	Total/NA	Solid	8015NM Prep	
880-26418-16	CS-16 (8')	Total/NA	Solid	8015NM Prep	
880-26418-17	CS-17 (8')	Total/NA	Solid	8015NM Prep	
MB 880-49733/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-49733/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-49733/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-26418-1 MS	CS-1 (8')	Total/NA	Solid	8015NM Prep	
880-26418-1 MSD	CS-1 (8')	Total/NA	Solid	8015NM Prep	

Prep Batch: 49734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26418-18	SW-1 (8')	Total/NA	Solid	8015NM Prep	
880-26418-19	SW-2 (8')	Total/NA	Solid	8015NM Prep	
880-26418-20	SW-3 (8')	Total/NA	Solid	8015NM Prep	
880-26418-21	SW-4 (8')	Total/NA	Solid	8015NM Prep	
880-26418-22	SW-5 (8')	Total/NA	Solid	8015NM Prep	
880-26418-23	SW-6 (8')	Total/NA	Solid	8015NM Prep	
880-26418-24	SW-7 (8')	Total/NA	Solid	8015NM Prep	
880-26418-25	SW-8 (8')	Total/NA	Solid	8015NM Prep	
880-26418-26	SW-9 (8')	Total/NA	Solid	8015NM Prep	
880-26418-27	SW-10 (8')	Total/NA	Solid	8015NM Prep	
880-26418-28	SW-11 (8')	Total/NA	Solid	8015NM Prep	
880-26418-29	SW-12 (8')	Total/NA	Solid	8015NM Prep	
MB 880-49734/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-49734/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-49734/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-26418-18 MS	SW-1 (8')	Total/NA	Solid	8015NM Prep	
880-26418-18 MSD	SW-1 (8')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 49779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26418-18	SW-1 (8')	Total/NA	Solid	8015B NM	49734
880-26418-19	SW-2 (8')	Total/NA	Solid	8015B NM	49734
880-26418-20	SW-3 (8')	Total/NA	Solid	8015B NM	49734
880-26418-21	SW-4 (8')	Total/NA	Solid	8015B NM	49734
880-26418-22	SW-5 (8')	Total/NA	Solid	8015B NM	49734
880-26418-23	SW-6 (8')	Total/NA	Solid	8015B NM	49734
880-26418-24	SW-7 (8')	Total/NA	Solid	8015B NM	49734
880-26418-25	SW-8 (8')	Total/NA	Solid	8015B NM	49734
880-26418-26	SW-9 (8')	Total/NA	Solid	8015B NM	49734
880-26418-27	SW-10 (8')	Total/NA	Solid	8015B NM	49734

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 49779 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26418-28	SW-11 (8')	Total/NA	Solid	8015B NM	49734
880-26418-29	SW-12 (8')	Total/NA	Solid	8015B NM	49734
MB 880-49734/1-A	Method Blank	Total/NA	Solid	8015B NM	49734
LCS 880-49734/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	49734
LCSD 880-49734/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	49734
880-26418-18 MS	SW-1 (8')	Total/NA	Solid	8015B NM	49734
880-26418-18 MSD	SW-1 (8')	Total/NA	Solid	8015B NM	49734

Analysis Batch: 49828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26418-1	CS-1 (8')	Total/NA	Solid	8015 NM	
880-26418-2	CS-2 (8')	Total/NA	Solid	8015 NM	
880-26418-3	CS-3 (8')	Total/NA	Solid	8015 NM	
880-26418-4	CS-4 (8')	Total/NA	Solid	8015 NM	
880-26418-5	CS-5 (8')	Total/NA	Solid	8015 NM	
880-26418-6	CS-6 (8')	Total/NA	Solid	8015 NM	
880-26418-7	CS-7 (8')	Total/NA	Solid	8015 NM	
880-26418-8	CS-8 (8')	Total/NA	Solid	8015 NM	
880-26418-9	CS-9 (8')	Total/NA	Solid	8015 NM	
880-26418-10	CS-10 (8')	Total/NA	Solid	8015 NM	
880-26418-11	CS-11 (8')	Total/NA	Solid	8015 NM	
880-26418-12	CS-12 (8')	Total/NA	Solid	8015 NM	
880-26418-13	CS-13 (8')	Total/NA	Solid	8015 NM	
880-26418-14	CS-14 (8')	Total/NA	Solid	8015 NM	
880-26418-15	CS-15 (8')	Total/NA	Solid	8015 NM	
880-26418-16	CS-16 (8')	Total/NA	Solid	8015 NM	
880-26418-17	CS-17 (8')	Total/NA	Solid	8015 NM	
880-26418-18	SW-1 (8')	Total/NA	Solid	8015 NM	
880-26418-19	SW-2 (8')	Total/NA	Solid	8015 NM	
880-26418-20	SW-3 (8')	Total/NA	Solid	8015 NM	
880-26418-21	SW-4 (8')	Total/NA	Solid	8015 NM	
880-26418-22	SW-5 (8')	Total/NA	Solid	8015 NM	
880-26418-23	SW-6 (8')	Total/NA	Solid	8015 NM	
880-26418-24	SW-7 (8')	Total/NA	Solid	8015 NM	
880-26418-25	SW-8 (8')	Total/NA	Solid	8015 NM	
880-26418-26	SW-9 (8')	Total/NA	Solid	8015 NM	
880-26418-27	SW-10 (8')	Total/NA	Solid	8015 NM	
880-26418-28	SW-11 (8')	Total/NA	Solid	8015 NM	
880-26418-29	SW-12 (8')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 49716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26418-21	SW-4 (8')	Soluble	Solid	DI Leach	
880-26418-22	SW-5 (8')	Soluble	Solid	DI Leach	
880-26418-23	SW-6 (8')	Soluble	Solid	DI Leach	
880-26418-24	SW-7 (8')	Soluble	Solid	DI Leach	
880-26418-25	SW-8 (8')	Soluble	Solid	DI Leach	
880-26418-26	SW-9 (8')	Soluble	Solid	DI Leach	
880-26418-27	SW-10 (8')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Leach Batch: 49716 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26418-28	SW-11 (8')	Soluble	Solid	DI Leach	
880-26418-29	SW-12 (8')	Soluble	Solid	DI Leach	
MB 880-49716/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-49716/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-49716/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-26418-21 MS	SW-4 (8')	Soluble	Solid	DI Leach	
880-26418-21 MSD	SW-4 (8')	Soluble	Solid	DI Leach	

Leach Batch: 49717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26418-1	CS-1 (8')	Soluble	Solid	DI Leach	
880-26418-2	CS-2 (8')	Soluble	Solid	DI Leach	
880-26418-3	CS-3 (8')	Soluble	Solid	DI Leach	
880-26418-4	CS-4 (8')	Soluble	Solid	DI Leach	
880-26418-5	CS-5 (8')	Soluble	Solid	DI Leach	
880-26418-6	CS-6 (8')	Soluble	Solid	DI Leach	
880-26418-7	CS-7 (8')	Soluble	Solid	DI Leach	
880-26418-8	CS-8 (8')	Soluble	Solid	DI Leach	
880-26418-9	CS-9 (8')	Soluble	Solid	DI Leach	
880-26418-10	CS-10 (8')	Soluble	Solid	DI Leach	
880-26418-11	CS-11 (8')	Soluble	Solid	DI Leach	
880-26418-12	CS-12 (8')	Soluble	Solid	DI Leach	
880-26418-13	CS-13 (8')	Soluble	Solid	DI Leach	
880-26418-14	CS-14 (8')	Soluble	Solid	DI Leach	
880-26418-15	CS-15 (8')	Soluble	Solid	DI Leach	
880-26418-16	CS-16 (8')	Soluble	Solid	DI Leach	
880-26418-17	CS-17 (8')	Soluble	Solid	DI Leach	
880-26418-18	SW-1 (8')	Soluble	Solid	DI Leach	
880-26418-19	SW-2 (8')	Soluble	Solid	DI Leach	
880-26418-20	SW-3 (8')	Soluble	Solid	DI Leach	
MB 880-49717/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-49717/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-49717/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-26418-1 MS	CS-1 (8')	Soluble	Solid	DI Leach	
880-26418-1 MSD	CS-1 (8')	Soluble	Solid	DI Leach	
880-26418-11 MS	CS-11 (8')	Soluble	Solid	DI Leach	
880-26418-11 MSD	CS-11 (8')	Soluble	Solid	DI Leach	

Analysis Batch: 49833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26418-21	SW-4 (8')	Soluble	Solid	300.0	49716
880-26418-22	SW-5 (8')	Soluble	Solid	300.0	49716
880-26418-23	SW-6 (8')	Soluble	Solid	300.0	49716
880-26418-24	SW-7 (8')	Soluble	Solid	300.0	49716
880-26418-25	SW-8 (8')	Soluble	Solid	300.0	49716
880-26418-26	SW-9 (8')	Soluble	Solid	300.0	49716
880-26418-27	SW-10 (8')	Soluble	Solid	300.0	49716
880-26418-28	SW-11 (8')	Soluble	Solid	300.0	49716
880-26418-29	SW-12 (8')	Soluble	Solid	300.0	49716
MB 880-49716/1-A	Method Blank	Soluble	Solid	300.0	49716
LCS 880-49716/2-A	Lab Control Sample	Soluble	Solid	300.0	49716

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Analysis Batch: 49833 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-49716/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	49716
880-26418-21 MS	SW-4 (8')	Soluble	Solid	300.0	49716
880-26418-21 MSD	SW-4 (8')	Soluble	Solid	300.0	49716

Analysis Batch: 49834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26418-1	CS-1 (8')	Soluble	Solid	300.0	49717
880-26418-2	CS-2 (8')	Soluble	Solid	300.0	49717
880-26418-3	CS-3 (8')	Soluble	Solid	300.0	49717
880-26418-4	CS-4 (8')	Soluble	Solid	300.0	49717
880-26418-5	CS-5 (8')	Soluble	Solid	300.0	49717
880-26418-6	CS-6 (8')	Soluble	Solid	300.0	49717
880-26418-7	CS-7 (8')	Soluble	Solid	300.0	49717
880-26418-8	CS-8 (8')	Soluble	Solid	300.0	49717
880-26418-9	CS-9 (8')	Soluble	Solid	300.0	49717
880-26418-10	CS-10 (8')	Soluble	Solid	300.0	49717
880-26418-11	CS-11 (8')	Soluble	Solid	300.0	49717
880-26418-12	CS-12 (8')	Soluble	Solid	300.0	49717
880-26418-13	CS-13 (8')	Soluble	Solid	300.0	49717
880-26418-14	CS-14 (8')	Soluble	Solid	300.0	49717
880-26418-15	CS-15 (8')	Soluble	Solid	300.0	49717
880-26418-16	CS-16 (8')	Soluble	Solid	300.0	49717
880-26418-17	CS-17 (8')	Soluble	Solid	300.0	49717
880-26418-18	SW-1 (8')	Soluble	Solid	300.0	49717
880-26418-19	SW-2 (8')	Soluble	Solid	300.0	49717
880-26418-20	SW-3 (8')	Soluble	Solid	300.0	49717
MB 880-49717/1-A	Method Blank	Soluble	Solid	300.0	49717
LCS 880-49717/2-A	Lab Control Sample	Soluble	Solid	300.0	49717
LCSD 880-49717/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	49717
880-26418-1 MS	CS-1 (8')	Soluble	Solid	300.0	49717
880-26418-1 MSD	CS-1 (8')	Soluble	Solid	300.0	49717
880-26418-11 MS	CS-11 (8')	Soluble	Solid	300.0	49717
880-26418-11 MSD	CS-11 (8')	Soluble	Solid	300.0	49717

Lab Chronicle

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Client Sample ID: CS-1 (8')

Lab Sample ID: 880-26418-1

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	49835	03/29/23 12:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49972	03/30/23 17:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50037	03/31/23 12:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			49828	03/29/23 12:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	49733	03/28/23 11:40	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49696	03/28/23 22:12	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	49717	03/28/23 10:18	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49834	03/28/23 18:26	SMC	EET MID

Client Sample ID: CS-2 (8')

Lab Sample ID: 880-26418-2

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	49835	03/29/23 12:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49972	03/30/23 18:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50037	03/31/23 12:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			49828	03/29/23 12:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	49733	03/28/23 11:40	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49696	03/28/23 23:12	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	49717	03/28/23 10:18	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49834	03/28/23 18:40	SMC	EET MID

Client Sample ID: CS-3 (8')

Lab Sample ID: 880-26418-3

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	49835	03/29/23 12:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49972	03/30/23 18:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50037	03/31/23 12:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			49828	03/29/23 12:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	49733	03/28/23 11:40	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49696	03/28/23 23:33	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	49717	03/28/23 10:18	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49834	03/28/23 18:44	SMC	EET MID

Client Sample ID: CS-4 (8')

Lab Sample ID: 880-26418-4

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	49835	03/29/23 12:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49972	03/30/23 19:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50037	03/31/23 12:48	SM	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Client Sample ID: CS-4 (8')

Lab Sample ID: 880-26418-4

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49828	03/29/23 12:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	49733	03/28/23 11:40	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49696	03/28/23 23:53	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	49717	03/28/23 10:18	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49834	03/28/23 18:49	SMC	EET MID

Client Sample ID: CS-5 (8')

Lab Sample ID: 880-26418-5

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	49835	03/29/23 12:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49972	03/30/23 19:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50037	03/31/23 12:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			49828	03/29/23 12:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49733	03/28/23 11:40	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49696	03/29/23 00:13	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	49717	03/28/23 10:18	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49834	03/28/23 18:53	SMC	EET MID

Client Sample ID: CS-6 (8')

Lab Sample ID: 880-26418-6

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	49835	03/29/23 12:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49972	03/30/23 19:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50037	03/31/23 12:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			49828	03/29/23 12:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	49733	03/28/23 11:40	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49696	03/29/23 00:33	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	49717	03/28/23 10:18	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49834	03/28/23 19:07	SMC	EET MID

Client Sample ID: CS-7 (8')

Lab Sample ID: 880-26418-7

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	49835	03/29/23 12:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49972	03/30/23 20:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50037	03/31/23 12:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			49828	03/29/23 12:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	49733	03/28/23 11:40	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49696	03/29/23 00:54	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Client Sample ID: CS-7 (8')

Lab Sample ID: 880-26418-7

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	49717	03/28/23 10:18	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49834	03/28/23 19:12	SMC	EET MID

Client Sample ID: CS-8 (8')

Lab Sample ID: 880-26418-8

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	49835	03/29/23 12:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49972	03/30/23 20:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50037	03/31/23 12:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			49828	03/29/23 12:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49733	03/28/23 11:40	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49696	03/29/23 01:14	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	49717	03/28/23 10:18	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49834	03/28/23 19:16	SMC	EET MID

Client Sample ID: CS-9 (8')

Lab Sample ID: 880-26418-9

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	49835	03/29/23 12:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49972	03/30/23 21:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50037	03/31/23 12:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			49828	03/29/23 12:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	49733	03/28/23 11:40	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49696	03/29/23 01:34	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	49717	03/28/23 10:18	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49834	03/28/23 19:21	SMC	EET MID

Client Sample ID: CS-10 (8')

Lab Sample ID: 880-26418-10

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	49835	03/29/23 12:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49972	03/30/23 21:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50037	03/31/23 12:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			49828	03/29/23 12:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	49733	03/28/23 11:40	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49696	03/29/23 01:55	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	49717	03/28/23 10:18	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49834	03/28/23 19:25	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Client Sample ID: CS-11 (8')

Lab Sample ID: 880-26418-11

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	49835	03/29/23 12:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49972	03/30/23 23:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50037	03/31/23 12:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			49828	03/29/23 12:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49733	03/28/23 11:40	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49696	03/29/23 02:36	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	49717	03/28/23 10:18	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49834	03/28/23 19:30	SMC	EET MID

Client Sample ID: CS-12 (8')

Lab Sample ID: 880-26418-12

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	49835	03/29/23 12:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49972	03/31/23 00:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50037	03/31/23 12:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			49828	03/29/23 12:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	49733	03/28/23 11:40	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49696	03/29/23 02:56	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	49717	03/28/23 10:18	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49834	03/28/23 19:43	SMC	EET MID

Client Sample ID: CS-13 (8')

Lab Sample ID: 880-26418-13

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	49835	03/29/23 12:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49972	03/31/23 00:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50037	03/31/23 12:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			49828	03/29/23 12:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	49733	03/28/23 11:40	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49696	03/29/23 03:16	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	49717	03/28/23 10:18	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49834	03/28/23 19:48	SMC	EET MID

Client Sample ID: CS-14 (8')

Lab Sample ID: 880-26418-14

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	49835	03/29/23 12:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49972	03/31/23 00:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50037	03/31/23 12:48	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Client Sample ID: CS-14 (8')

Lab Sample ID: 880-26418-14

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49828	03/29/23 12:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49733	03/28/23 11:40	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49696	03/29/23 03:36	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	49717	03/28/23 10:18	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49834	03/28/23 20:02	SMC	EET MID

Client Sample ID: CS-15 (8')

Lab Sample ID: 880-26418-15

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	49835	03/29/23 12:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49972	03/31/23 01:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50037	03/31/23 12:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			49828	03/29/23 12:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49733	03/28/23 11:40	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49696	03/29/23 03:57	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	49717	03/28/23 10:18	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49834	03/28/23 20:06	SMC	EET MID

Client Sample ID: CS-16 (8')

Lab Sample ID: 880-26418-16

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	49835	03/29/23 12:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49972	03/31/23 01:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50037	03/31/23 12:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			49828	03/29/23 12:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	49733	03/28/23 11:40	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49696	03/29/23 04:17	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	49717	03/28/23 10:18	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49834	03/28/23 20:11	SMC	EET MID

Client Sample ID: CS-17 (8')

Lab Sample ID: 880-26418-17

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	49835	03/29/23 12:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49972	03/31/23 02:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50037	03/31/23 12:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			49828	03/29/23 12:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49733	03/28/23 11:40	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49696	03/29/23 04:37	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Client Sample ID: CS-17 (8')

Lab Sample ID: 880-26418-17

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	49717	03/28/23 10:18	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49834	03/28/23 20:15	SMC	EET MID

Client Sample ID: SW-1 (8')

Lab Sample ID: 880-26418-18

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	49835	03/29/23 12:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49972	03/31/23 02:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50037	03/31/23 12:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			49828	03/29/23 17:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	49734	03/28/23 11:43	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49779	03/29/23 11:16	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	49717	03/28/23 10:18	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49834	03/28/23 20:20	SMC	EET MID

Client Sample ID: SW-2 (8')

Lab Sample ID: 880-26418-19

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	49835	03/29/23 12:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49972	03/31/23 03:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50037	03/31/23 12:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			49828	03/29/23 17:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49734	03/28/23 11:43	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49779	03/29/23 12:25	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	49717	03/28/23 10:18	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49834	03/28/23 20:25	SMC	EET MID

Client Sample ID: SW-3 (8')

Lab Sample ID: 880-26418-20

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	49835	03/29/23 12:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49972	03/31/23 03:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50037	03/31/23 12:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			49828	03/29/23 17:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49734	03/28/23 11:43	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49779	03/29/23 12:48	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	49717	03/28/23 10:18	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49834	03/28/23 20:29	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Client Sample ID: SW-4 (8')

Lab Sample ID: 880-26418-21

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	49668	03/28/23 16:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49921	03/30/23 18:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50037	03/31/23 12:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			49828	03/29/23 17:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	49734	03/28/23 11:43	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49779	03/29/23 13:10	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	49716	03/28/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49833	03/28/23 18:54	SMC	EET MID

Client Sample ID: SW-5 (8')

Lab Sample ID: 880-26418-22

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	49668	03/28/23 16:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49921	03/30/23 18:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50037	03/31/23 12:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			49828	03/29/23 17:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49734	03/28/23 11:43	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49779	03/29/23 13:32	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	49716	03/28/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49833	03/28/23 19:09	SMC	EET MID

Client Sample ID: SW-6 (8')

Lab Sample ID: 880-26418-23

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	49668	03/28/23 16:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49921	03/30/23 19:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50037	03/31/23 12:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			49828	03/29/23 17:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49734	03/28/23 11:43	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49779	03/29/23 13:54	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	49716	03/28/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49833	03/28/23 19:14	SMC	EET MID

Client Sample ID: SW-7 (8')

Lab Sample ID: 880-26418-24

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	49668	03/28/23 16:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49921	03/30/23 19:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50037	03/31/23 12:09	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Client Sample ID: SW-7 (8')

Lab Sample ID: 880-26418-24

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49828	03/29/23 17:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49734	03/28/23 11:43	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49779	03/29/23 14:16	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	49716	03/28/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49833	03/28/23 19:18	SMC	EET MID

Client Sample ID: SW-8 (8')

Lab Sample ID: 880-26418-25

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	49668	03/28/23 16:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49921	03/30/23 19:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50037	03/31/23 12:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			49828	03/29/23 17:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49734	03/28/23 11:43	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49779	03/29/23 14:38	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	49716	03/28/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49833	03/28/23 19:23	SMC	EET MID

Client Sample ID: SW-9 (8')

Lab Sample ID: 880-26418-26

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	49668	03/28/23 16:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49921	03/30/23 20:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50037	03/31/23 12:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			49828	03/29/23 17:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49734	03/28/23 11:43	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49779	03/29/23 15:00	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	49716	03/28/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49833	03/28/23 19:38	SMC	EET MID

Client Sample ID: SW-10 (8')

Lab Sample ID: 880-26418-27

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	49668	03/28/23 16:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49921	03/30/23 20:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50037	03/31/23 12:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			49828	03/29/23 17:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	49734	03/28/23 11:43	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49779	03/29/23 15:22	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Client Sample ID: SW-10 (8')

Lab Sample ID: 880-26418-27

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	49716	03/28/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49833	03/28/23 19:43	SMC	EET MID

Client Sample ID: SW-11 (8')

Lab Sample ID: 880-26418-28

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	49668	03/28/23 16:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49921	03/30/23 20:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50037	03/31/23 12:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			49828	03/29/23 17:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49734	03/28/23 11:43	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49779	03/29/23 16:07	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	49716	03/28/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49833	03/28/23 19:48	SMC	EET MID

Client Sample ID: SW-12 (8')

Lab Sample ID: 880-26418-29

Date Collected: 03/27/23 00:00

Matrix: Solid

Date Received: 03/28/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	49668	03/28/23 16:41	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49921	03/30/23 21:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50037	03/31/23 12:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			49828	03/29/23 17:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49734	03/28/23 11:43	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49779	03/29/23 16:29	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	49716	03/28/23 10:17	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49833	03/28/23 19:52	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

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

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8015B NM	8015NM Prep	Solid	Total TPH
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: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26418-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-26418-1	CS-1 (8')	Solid	03/27/23 00:00	03/28/23 08:35
880-26418-2	CS-2 (8')	Solid	03/27/23 00:00	03/28/23 08:35
880-26418-3	CS-3 (8')	Solid	03/27/23 00:00	03/28/23 08:35
880-26418-4	CS-4 (8')	Solid	03/27/23 00:00	03/28/23 08:35
880-26418-5	CS-5 (8')	Solid	03/27/23 00:00	03/28/23 08:35
880-26418-6	CS-6 (8')	Solid	03/27/23 00:00	03/28/23 08:35
880-26418-7	CS-7 (8')	Solid	03/27/23 00:00	03/28/23 08:35
880-26418-8	CS-8 (8')	Solid	03/27/23 00:00	03/28/23 08:35
880-26418-9	CS-9 (8')	Solid	03/27/23 00:00	03/28/23 08:35
880-26418-10	CS-10 (8')	Solid	03/27/23 00:00	03/28/23 08:35
880-26418-11	CS-11 (8')	Solid	03/27/23 00:00	03/28/23 08:35
880-26418-12	CS-12 (8')	Solid	03/27/23 00:00	03/28/23 08:35
880-26418-13	CS-13 (8')	Solid	03/27/23 00:00	03/28/23 08:35
880-26418-14	CS-14 (8')	Solid	03/27/23 00:00	03/28/23 08:35
880-26418-15	CS-15 (8')	Solid	03/27/23 00:00	03/28/23 08:35
880-26418-16	CS-16 (8')	Solid	03/27/23 00:00	03/28/23 08:35
880-26418-17	CS-17 (8')	Solid	03/27/23 00:00	03/28/23 08:35
880-26418-18	SW-1 (8')	Solid	03/27/23 00:00	03/28/23 08:35
880-26418-19	SW-2 (8')	Solid	03/27/23 00:00	03/28/23 08:35
880-26418-20	SW-3 (8')	Solid	03/27/23 00:00	03/28/23 08:35
880-26418-21	SW-4 (8')	Solid	03/27/23 00:00	03/28/23 08:35
880-26418-22	SW-5 (8')	Solid	03/27/23 00:00	03/28/23 08:35
880-26418-23	SW-6 (8')	Solid	03/27/23 00:00	03/28/23 08:35
880-26418-24	SW-7 (8')	Solid	03/27/23 00:00	03/28/23 08:35
880-26418-25	SW-8 (8')	Solid	03/27/23 00:00	03/28/23 08:35
880-26418-26	SW-9 (8')	Solid	03/27/23 00:00	03/28/23 08:35
880-26418-27	SW-10 (8')	Solid	03/27/23 00:00	03/28/23 08:35
880-26418-28	SW-11 (8')	Solid	03/27/23 00:00	03/28/23 08:35
880-26418-29	SW-12 (8')	Solid	03/27/23 00:00	03/28/23 08:35

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Work Order No: 20418

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Project Manager	Conner Moehring	Bill to (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St. Ste 500	Address	865 North Albion St. Ste 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver, CO 80220
Phone	432 813 6823	Email	joseph.vargo@naglep.com

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

Project Name	Big Eddy SWD	Turn Around	☐ Routine ☒ Rush	Pres. Code	ANALYSIS REQUEST										Preservative Codes		
Project Number	1105															None NO	DI Water H ₂ O
Project Location	Eddy Co. NM	Due Date	24 Hrs													Cool Cool	MeOH Me
Sampler's Name	KB	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 ☒ No ☐	Wet Ice	Yes ☒ No ☐											H ₃ PO ₄ HP	
Received Intact	Yes ☒ No ☐	Thermometer ID														NaHSO ₄ NABIS	
Cooler Custody Seals	Yes ☐ No ☒ N/A	Correction Factor														Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals	Yes ☐ No ☒ N/A	Temperature Reading														Zn Acetate+NaOH Zn	
Total Containers		Corrected Temperature														NaOH+Ascorbic Acid SACP	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	TPH										Sample Comments	
CS-1 (8')	3/27/2023		X		Comp	1	X	X	X									492
CS-2 (8')	3/27/2023		X		Comp	1	X	X	X									
CS-3 (8')	3/27/2023		X		Comp	1	X	X	X									
CS-4 (8')	3/27/2023		X		Comp	1	X	X	X									
CS-5 (8')	3/27/2023		X		Comp	1	X	X	X									
CS-6 (8')	3/27/2023		X		Comp	1	X	X	X									
CS-7 (8')	3/27/2023		X		Comp	1	X	X	X									
CS-8 (8')	3/27/2023		X		Comp	1	X	X	X									
CS-9 (8')	3/27/2023		X		Comp	1	X	X	X									
CS-10 (8')	3/27/2023		X		Comp	1	X	X	X									



880-26418 Chain of Custody



880-26418 Chain of Custody

Email results to Mike Carmona / mcarmona@carmonaresources.com & Conner Moehring cmoehring@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
Michael W. W. S.	3-28-23	Joe Vargo	3-28-23
	2:35		8:35

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Project Manager	Conner Moehring	Bill to (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGI Water Solutions Permian
Address	310 W Wall St. Ste 500	Address	865 North Albion St. Ste 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver, CO 80220
Phone	432 813 6823	Email	joseph.vargo@ngi.com

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

Project Name		Big Eddy SWD		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number	1105	☐ Routine	☒ Rush	Due Date	24 Hrs														None NO	DI Water H ₂ O
Project Location	Eddy Co. NM			Due Date														Cool Cool	MeOH Me	
Sampler's Name	KB			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 ☒ No ☐	Wet Ice	Yes ☒ No ☐													H ₃ PO ₄ HP		
Received Intact		Yes ☒ No ☐	Thermometer ID	Yes ☒ No ☐														NaHSO ₄ NABIS		
Cooler Custody Seals		Yes ☒ No ☐ N/A	Correction Factor	-0.3														Na ₂ S ₂ O ₃ NaSO ₃		
Sample Custody Seals		Yes ☒ No ☐ N/A	Temperature Reading	0.3														Zn Acetate+NaOH Zn		
Total Containers		Corrected Temperature		0.0														NaOH+Ascorbic Acid SAPC		
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments
SW-4 (8')		3/27/2023		X		Comp	1	X	X	X										
SW-5 (8')		3/27/2023		X		Comp	1	X	X	X										
SW-6 (8')		3/27/2023		X		Comp	1	X	X	X										
SW-7 (8')		3/27/2023		X		Comp	1	X	X	X										
SW-8 (8')		3/27/2023		X		Comp	1	X	X	X										
SW-9 (8')		3/27/2023		X		Comp	1	X	X	X										
SW-10 (8')		3/27/2023		X		Comp	1	X	X	X										
SW-11 (8')		3/27/2023		X		Comp	1	X	X	X										
SW-12 (8')		3/27/2023		X		Comp	1	X	X	X										

Email results to Mike Carmona / mcarmona@carmonaresources.com & Conner Moehring cmoehring@carmonaresources.com

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
<i>Conner Moehring</i>	3-28-23	<i>Joseph Vargo</i>	3/29/23

Work Order No: 20413

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-26418-1

SDG Number: Eddy Co, NM

Login Number: 26418

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring
Carmona Resources
310 W Wall St
Ste 415
Midland, Texas 79701

Generated 4/3/2023 3:18:34 PM

JOB DESCRIPTION

Big Eddy SWD
SDG NUMBER Eddy Co, NM

JOB NUMBER

880-26531-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland**Job Notes**

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

Authorization

Generated
4/3/2023 3:18:34 PM

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

Client: Carmona Resources
Project/Site: Big Eddy SWD

Laboratory Job ID: 880-26531-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

Job ID: 880-26531-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-26531-1

Receipt

The samples were received on 3/29/2023 2:19 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -6.8°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-18 (2') (880-26531-1), CS-19 (2') (880-26531-2), CS-20 (2') (880-26531-3), CS-21 (2') (880-26531-4), CS-22 (2') (880-26531-5), CS-23 (2') (880-26531-6), CS-24 (2') (880-26531-7), CS-25 (2') (880-26531-8), CS-26 (2') (880-26531-9), CS-27 (2') (880-26531-10), CS-28 (2') (880-26531-11), CS-29 (2') (880-26531-12), CS-30 (2') (880-26531-13), CS-31 (2') (880-26531-14), CS-32 (2') (880-26531-15), SW-13 (2') (880-26531-16), SW-14 (2') (880-26531-17), SW-15 (2') (880-26531-18) and SW-16 (2') (880-26531-19).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-30 (2') (880-26531-13) and CS-31 (2') (880-26531-14). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: SW-16 (2') (880-26531-19). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-49894 and analytical batch 880-49910 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-49894/2-A) and (LCSD 880-49894/3-A). 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

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-49874 and 880-49874 and analytical batch 880-49906 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. CS-30 (2') (880-26531-13), CS-31 (2') (880-26531-14), CS-32 (2') (880-26531-15), SW-13 (2') (880-26531-16), SW-14 (2') (880-26531-17), SW-15 (2') (880-26531-18), SW-16 (2') (880-26531-19), (880-26531-A-13-D MS) and (880-26531-A-13-E MSD)

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: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

Client Sample ID: CS-18 (2')

Lab Sample ID: 880-26531-1

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/29/23 15:17	04/02/23 20:12	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/29/23 15:17	04/02/23 20:12	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/29/23 15:17	04/02/23 20:12	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/29/23 15:17	04/02/23 20:12	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/29/23 15:17	04/02/23 20:12	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/29/23 15:17	04/02/23 20:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				03/29/23 15:17	04/02/23 20:12	1
1,4-Difluorobenzene (Surr)	90		70 - 130				03/29/23 15:17	04/02/23 20:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			04/03/23 15:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/31/23 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/30/23 23:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/30/23 23:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/30/23 23:44	1
Total TPH	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/30/23 23:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				03/29/23 16:49	03/30/23 23:44	1
o-Terphenyl	92		70 - 130				03/29/23 16:49	03/30/23 23:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	121		5.01		mg/Kg			03/30/23 00:49	1

Client Sample ID: CS-19 (2')

Lab Sample ID: 880-26531-2

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/29/23 15:17	04/02/23 20:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/29/23 15:17	04/02/23 20:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/29/23 15:17	04/02/23 20:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/29/23 15:17	04/02/23 20:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/29/23 15:17	04/02/23 20:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/29/23 15:17	04/02/23 20:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				03/29/23 15:17	04/02/23 20:33	1
1,4-Difluorobenzene (Surr)	85		70 - 130				03/29/23 15:17	04/02/23 20:33	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

Client Sample ID: CS-19 (2')

Lab Sample ID: 880-26531-2

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/03/23 15:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/31/23 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 00:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 00:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 00:50	1
Total TPH	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 00:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	03/29/23 16:49	03/31/23 00:50	1
o-Terphenyl	111		70 - 130	03/29/23 16:49	03/31/23 00:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	224		4.99		mg/Kg			03/30/23 00:53	1

Client Sample ID: CS-20 (2')

Lab Sample ID: 880-26531-3

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/29/23 15:17	04/02/23 20:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/29/23 15:17	04/02/23 20:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/29/23 15:17	04/02/23 20:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/29/23 15:17	04/02/23 20:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/29/23 15:17	04/02/23 20:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/29/23 15:17	04/02/23 20:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	03/29/23 15:17	04/02/23 20:53	1
1,4-Difluorobenzene (Surr)	100		70 - 130	03/29/23 15:17	04/02/23 20:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/03/23 15:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/31/23 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/29/23 16:49	03/31/23 01:12	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

Client Sample ID: CS-20 (2')

Lab Sample ID: 880-26531-3

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/29/23 16:49	03/31/23 01:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/29/23 16:49	03/31/23 01:12	1
Total TPH	<50.0	U	50.0		mg/Kg		03/29/23 16:49	03/31/23 01:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				03/29/23 16:49	03/31/23 01:12	1
o-Terphenyl	94		70 - 130				03/29/23 16:49	03/31/23 01:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	113		5.03		mg/Kg			03/30/23 00:58	1

Client Sample ID: CS-21 (2')

Lab Sample ID: 880-26531-4

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/29/23 15:17	04/02/23 21:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/29/23 15:17	04/02/23 21:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/29/23 15:17	04/02/23 21:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/29/23 15:17	04/02/23 21:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/29/23 15:17	04/02/23 21:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/29/23 15:17	04/02/23 21:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				03/29/23 15:17	04/02/23 21:14	1
1,4-Difluorobenzene (Surr)	81		70 - 130				03/29/23 15:17	04/02/23 21:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/03/23 15:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/31/23 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/29/23 16:49	03/31/23 01:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/29/23 16:49	03/31/23 01:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/29/23 16:49	03/31/23 01:34	1
Total TPH	<50.0	U	50.0		mg/Kg		03/29/23 16:49	03/31/23 01:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				03/29/23 16:49	03/31/23 01:34	1
o-Terphenyl	101		70 - 130				03/29/23 16:49	03/31/23 01:34	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

Client Sample ID: CS-21 (2')

Lab Sample ID: 880-26531-4

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		5.05		mg/Kg			03/30/23 01:13	1

Client Sample ID: CS-22 (2')

Lab Sample ID: 880-26531-5

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/29/23 15:17	04/02/23 21:34	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/29/23 15:17	04/02/23 21:34	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/29/23 15:17	04/02/23 21:34	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/29/23 15:17	04/02/23 21:34	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/29/23 15:17	04/02/23 21:34	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/29/23 15:17	04/02/23 21:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	03/29/23 15:17	04/02/23 21:34	1
1,4-Difluorobenzene (Surr)	85		70 - 130	03/29/23 15:17	04/02/23 21:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/03/23 15:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/31/23 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 01:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 01:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 01:56	1
Total TPH	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 01:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	03/29/23 16:49	03/31/23 01:56	1
o-Terphenyl	97		70 - 130	03/29/23 16:49	03/31/23 01:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	121		5.02		mg/Kg			03/30/23 01:18	1

Client Sample ID: CS-23 (2')

Lab Sample ID: 880-26531-6

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/29/23 15:17	04/02/23 21:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/29/23 15:17	04/02/23 21:55	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

Client Sample ID: CS-23 (2')

Lab Sample ID: 880-26531-6

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/29/23 15:17	04/02/23 21:55	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/29/23 15:17	04/02/23 21:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/29/23 15:17	04/02/23 21:55	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/29/23 15:17	04/02/23 21:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				03/29/23 15:17	04/02/23 21:55	1
1,4-Difluorobenzene (Surr)	96		70 - 130				03/29/23 15:17	04/02/23 21:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			04/03/23 15:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/31/23 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 02:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 02:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 02:18	1
Total TPH	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 02:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				03/29/23 16:49	03/31/23 02:18	1
o-Terphenyl	104		70 - 130				03/29/23 16:49	03/31/23 02:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	498		4.98		mg/Kg			03/30/23 01:32	1

Client Sample ID: CS-24 (2')

Lab Sample ID: 880-26531-7

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/29/23 15:17	04/02/23 22:15	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/29/23 15:17	04/02/23 22:15	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/29/23 15:17	04/02/23 22:15	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/29/23 15:17	04/02/23 22:15	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/29/23 15:17	04/02/23 22:15	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/29/23 15:17	04/02/23 22:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				03/29/23 15:17	04/02/23 22:15	1
1,4-Difluorobenzene (Surr)	89		70 - 130				03/29/23 15:17	04/02/23 22:15	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

Client Sample ID: CS-24 (2')

Lab Sample ID: 880-26531-7

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			04/03/23 15:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/31/23 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/29/23 16:49	03/31/23 02:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/29/23 16:49	03/31/23 02:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/29/23 16:49	03/31/23 02:40	1
Total TPH	<50.0	U	50.0		mg/Kg		03/29/23 16:49	03/31/23 02:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	03/29/23 16:49	03/31/23 02:40	1
o-Terphenyl	100		70 - 130	03/29/23 16:49	03/31/23 02:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	457		4.97		mg/Kg			03/30/23 01:37	1

Client Sample ID: CS-25 (2')

Lab Sample ID: 880-26531-8

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/29/23 15:17	04/02/23 22:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/29/23 15:17	04/02/23 22:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/29/23 15:17	04/02/23 22:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/29/23 15:17	04/02/23 22:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/29/23 15:17	04/02/23 22:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/29/23 15:17	04/02/23 22:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	03/29/23 15:17	04/02/23 22:36	1
1,4-Difluorobenzene (Surr)	84		70 - 130	03/29/23 15:17	04/02/23 22:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/03/23 15:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/31/23 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 03:02	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

Client Sample ID: CS-25 (2')

Lab Sample ID: 880-26531-8

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 03:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 03:02	1
Total TPH	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 03:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				03/29/23 16:49	03/31/23 03:02	1
o-Terphenyl	97		70 - 130				03/29/23 16:49	03/31/23 03:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	685		4.99		mg/Kg			03/30/23 01:42	1

Client Sample ID: CS-26 (2')

Lab Sample ID: 880-26531-9

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/29/23 15:17	04/02/23 22:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/29/23 15:17	04/02/23 22:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/29/23 15:17	04/02/23 22:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/29/23 15:17	04/02/23 22:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/29/23 15:17	04/02/23 22:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/29/23 15:17	04/02/23 22:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				03/29/23 15:17	04/02/23 22:56	1
1,4-Difluorobenzene (Surr)	103		70 - 130				03/29/23 15:17	04/02/23 22:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/03/23 15:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/31/23 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 03:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 03:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 03:24	1
Total TPH	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 03:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				03/29/23 16:49	03/31/23 03:24	1
o-Terphenyl	103		70 - 130				03/29/23 16:49	03/31/23 03:24	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

Client Sample ID: CS-26 (2')

Lab Sample ID: 880-26531-9

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	121		5.00		mg/Kg			03/30/23 01:47	1

Client Sample ID: CS-27 (2')

Lab Sample ID: 880-26531-10

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/29/23 15:17	04/02/23 23:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/29/23 15:17	04/02/23 23:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/29/23 15:17	04/02/23 23:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/29/23 15:17	04/02/23 23:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/29/23 15:17	04/02/23 23:17	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/29/23 15:17	04/02/23 23:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	03/29/23 15:17	04/02/23 23:17	1
1,4-Difluorobenzene (Surr)	96		70 - 130	03/29/23 15:17	04/02/23 23:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/03/23 15:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/31/23 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/29/23 16:49	03/31/23 03:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/29/23 16:49	03/31/23 03:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/29/23 16:49	03/31/23 03:46	1
Total TPH	<50.0	U	50.0		mg/Kg		03/29/23 16:49	03/31/23 03:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	03/29/23 16:49	03/31/23 03:46	1
o-Terphenyl	100		70 - 130	03/29/23 16:49	03/31/23 03:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	381		4.95		mg/Kg			03/30/23 01:51	1

Client Sample ID: CS-28 (2')

Lab Sample ID: 880-26531-11

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/29/23 15:17	04/03/23 00:39	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/29/23 15:17	04/03/23 00:39	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

Client Sample ID: CS-28 (2')

Lab Sample ID: 880-26531-11

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/29/23 15:17	04/03/23 00:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/29/23 15:17	04/03/23 00:39	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/29/23 15:17	04/03/23 00:39	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/29/23 15:17	04/03/23 00:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				03/29/23 15:17	04/03/23 00:39	1
1,4-Difluorobenzene (Surr)	89		70 - 130				03/29/23 15:17	04/03/23 00:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/03/23 15:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/31/23 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/29/23 16:49	03/31/23 04:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/29/23 16:49	03/31/23 04:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/29/23 16:49	03/31/23 04:30	1
Total TPH	<50.0	U	50.0		mg/Kg		03/29/23 16:49	03/31/23 04:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				03/29/23 16:49	03/31/23 04:30	1
o-Terphenyl	100		70 - 130				03/29/23 16:49	03/31/23 04:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	104		5.02		mg/Kg			03/30/23 01:56	1

Client Sample ID: CS-29 (2')

Lab Sample ID: 880-26531-12

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/29/23 15:17	04/03/23 01:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/29/23 15:17	04/03/23 01:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/29/23 15:17	04/03/23 01:00	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/29/23 15:17	04/03/23 01:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/29/23 15:17	04/03/23 01:00	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/29/23 15:17	04/03/23 01:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				03/29/23 15:17	04/03/23 01:00	1
1,4-Difluorobenzene (Surr)	85		70 - 130				03/29/23 15:17	04/03/23 01:00	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

Client Sample ID: CS-29 (2')

Lab Sample ID: 880-26531-12

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			04/03/23 15:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/31/23 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/29/23 16:49	03/31/23 04:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/29/23 16:49	03/31/23 04:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/29/23 16:49	03/31/23 04:52	1
Total TPH	<50.0	U	50.0		mg/Kg		03/29/23 16:49	03/31/23 04:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	03/29/23 16:49	03/31/23 04:52	1
o-Terphenyl	86		70 - 130	03/29/23 16:49	03/31/23 04:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	147		5.05		mg/Kg			03/30/23 02:01	1

Client Sample ID: CS-30 (2')

Lab Sample ID: 880-26531-13

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/29/23 15:17	04/03/23 01:20	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/29/23 15:17	04/03/23 01:20	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/29/23 15:17	04/03/23 01:20	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/29/23 15:17	04/03/23 01:20	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/29/23 15:17	04/03/23 01:20	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/29/23 15:17	04/03/23 01:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	66	S1-	70 - 130	03/29/23 15:17	04/03/23 01:20	1
1,4-Difluorobenzene (Surr)	95		70 - 130	03/29/23 15:17	04/03/23 01:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			04/03/23 15:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/31/23 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 05:15	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

Client Sample ID: CS-30 (2')

Lab Sample ID: 880-26531-13

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 05:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 05:15	1
Total TPH	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 05:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				03/29/23 16:49	03/31/23 05:15	1
o-Terphenyl	95		70 - 130				03/29/23 16:49	03/31/23 05:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	626	F1	5.05		mg/Kg			03/29/23 21:44	1

Client Sample ID: CS-31 (2')

Lab Sample ID: 880-26531-14

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/29/23 15:17	04/03/23 01:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/29/23 15:17	04/03/23 01:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/29/23 15:17	04/03/23 01:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/29/23 15:17	04/03/23 01:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/29/23 15:17	04/03/23 01:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/29/23 15:17	04/03/23 01:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				03/29/23 15:17	04/03/23 01:41	1
1,4-Difluorobenzene (Surr)	61	S1-	70 - 130				03/29/23 15:17	04/03/23 01:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/03/23 15:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/31/23 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 05:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 05:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 05:37	1
Total TPH	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 05:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				03/29/23 16:49	03/31/23 05:37	1
o-Terphenyl	82		70 - 130				03/29/23 16:49	03/31/23 05:37	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

Client Sample ID: CS-31 (2')

Lab Sample ID: 880-26531-14

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99.7		5.00		mg/Kg			03/29/23 21:57	1

Client Sample ID: CS-32 (2')

Lab Sample ID: 880-26531-15

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/29/23 15:17	04/03/23 02:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/29/23 15:17	04/03/23 02:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/29/23 15:17	04/03/23 02:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/29/23 15:17	04/03/23 02:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/29/23 15:17	04/03/23 02:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/29/23 15:17	04/03/23 02:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	03/29/23 15:17	04/03/23 02:01	1
1,4-Difluorobenzene (Surr)	87		70 - 130	03/29/23 15:17	04/03/23 02:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/03/23 15:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/31/23 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/29/23 16:49	03/31/23 05:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/29/23 16:49	03/31/23 05:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/29/23 16:49	03/31/23 05:59	1
Total TPH	<49.8	U	49.8		mg/Kg		03/29/23 16:49	03/31/23 05:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	03/29/23 16:49	03/31/23 05:59	1
o-Terphenyl	98		70 - 130	03/29/23 16:49	03/31/23 05:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	118		5.04		mg/Kg			03/29/23 22:02	1

Client Sample ID: SW-13 (2')

Lab Sample ID: 880-26531-16

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/29/23 15:17	04/03/23 02:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/29/23 15:17	04/03/23 02:22	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

Client Sample ID: SW-13 (2')

Lab Sample ID: 880-26531-16

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/29/23 15:17	04/03/23 02:22	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/29/23 15:17	04/03/23 02:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/29/23 15:17	04/03/23 02:22	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/29/23 15:17	04/03/23 02:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				03/29/23 15:17	04/03/23 02:22	1
1,4-Difluorobenzene (Surr)	93		70 - 130				03/29/23 15:17	04/03/23 02:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/03/23 15:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/31/23 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/29/23 16:49	03/31/23 06:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/29/23 16:49	03/31/23 06:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/29/23 16:49	03/31/23 06:21	1
Total TPH	<50.0	U	50.0		mg/Kg		03/29/23 16:49	03/31/23 06:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				03/29/23 16:49	03/31/23 06:21	1
o-Terphenyl	87		70 - 130				03/29/23 16:49	03/31/23 06:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	411		5.03		mg/Kg			03/29/23 22:06	1

Client Sample ID: SW-14 (2')

Lab Sample ID: 880-26531-17

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/29/23 15:17	04/03/23 02:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/29/23 15:17	04/03/23 02:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/29/23 15:17	04/03/23 02:42	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/29/23 15:17	04/03/23 02:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/29/23 15:17	04/03/23 02:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/29/23 15:17	04/03/23 02:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				03/29/23 15:17	04/03/23 02:42	1
1,4-Difluorobenzene (Surr)	82		70 - 130				03/29/23 15:17	04/03/23 02:42	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

Client Sample ID: SW-14 (2')

Lab Sample ID: 880-26531-17

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/03/23 15:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	149		49.9		mg/Kg			03/31/23 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 06:42	1
Diesel Range Organics (Over C10-C28)	149		49.9		mg/Kg		03/29/23 16:49	03/31/23 06:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 06:42	1
Total TPH	149		49.9		mg/Kg		03/29/23 16:49	03/31/23 06:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				03/29/23 16:49	03/31/23 06:42	1
o-Terphenyl	100		70 - 130				03/29/23 16:49	03/31/23 06:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	450		4.97		mg/Kg			03/29/23 22:11	1

Client Sample ID: SW-15 (2')

Lab Sample ID: 880-26531-18

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/29/23 15:17	04/03/23 03:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/29/23 15:17	04/03/23 03:03	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/29/23 15:17	04/03/23 03:03	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/29/23 15:17	04/03/23 03:03	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/29/23 15:17	04/03/23 03:03	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/29/23 15:17	04/03/23 03:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				03/29/23 15:17	04/03/23 03:03	1
1,4-Difluorobenzene (Surr)	84		70 - 130				03/29/23 15:17	04/03/23 03:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			04/03/23 15:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/31/23 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 07:05	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

Client Sample ID: SW-15 (2')

Lab Sample ID: 880-26531-18

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 07:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 07:05	1
Total TPH	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 07:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				03/29/23 16:49	03/31/23 07:05	1
o-Terphenyl	87		70 - 130				03/29/23 16:49	03/31/23 07:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.9		4.96		mg/Kg			03/29/23 22:25	1

Client Sample ID: SW-16 (2')

Lab Sample ID: 880-26531-19

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/29/23 15:17	04/03/23 03:23	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/29/23 15:17	04/03/23 03:23	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/29/23 15:17	04/03/23 03:23	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/29/23 15:17	04/03/23 03:23	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/29/23 15:17	04/03/23 03:23	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/29/23 15:17	04/03/23 03:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				03/29/23 15:17	04/03/23 03:23	1
1,4-Difluorobenzene (Surr)	62	S1-	70 - 130				03/29/23 15:17	04/03/23 03:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			04/03/23 15:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/31/23 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 07:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 07:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 07:27	1
Total TPH	<49.9	U	49.9		mg/Kg		03/29/23 16:49	03/31/23 07:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				03/29/23 16:49	03/31/23 07:27	1
o-Terphenyl	73		70 - 130				03/29/23 16:49	03/31/23 07:27	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

Client Sample ID: SW-16 (2')
Date Collected: 03/28/23 00:00
Date Received: 03/29/23 14:19

Lab Sample ID: 880-26531-19
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	113		4.96		mg/Kg			03/29/23 22:29	1

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

Surrogate Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26531-1
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)
880-26531-1	CS-18 (2')	103	90
880-26531-1 MS	CS-18 (2')	129	106
880-26531-1 MSD	CS-18 (2')	114	106
880-26531-2	CS-19 (2')	105	85
880-26531-3	CS-20 (2')	90	100
880-26531-4	CS-21 (2')	108	81
880-26531-5	CS-22 (2')	112	85
880-26531-6	CS-23 (2')	93	96
880-26531-7	CS-24 (2')	109	89
880-26531-8	CS-25 (2')	104	84
880-26531-9	CS-26 (2')	98	103
880-26531-10	CS-27 (2')	87	96
880-26531-11	CS-28 (2')	92	89
880-26531-12	CS-29 (2')	94	85
880-26531-13	CS-30 (2')	66 S1-	95
880-26531-14	CS-31 (2')	89	61 S1-
880-26531-15	CS-32 (2')	97	87
880-26531-16	SW-13 (2')	86	93
880-26531-17	SW-14 (2')	117	82
880-26531-18	SW-15 (2')	87	84
880-26531-19	SW-16 (2')	96	62 S1-
LCS 880-49865/1-A	Lab Control Sample	117	106
LCSD 880-49865/2-A	Lab Control Sample Dup	117	108
MB 880-49865/5-A	Method Blank	77	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)
880-26531-1	CS-18 (2')	108	92
880-26531-1 MS	CS-18 (2')	103	79
880-26531-1 MSD	CS-18 (2')	104	79
880-26531-2	CS-19 (2')	119	111
880-26531-3	CS-20 (2')	106	94
880-26531-4	CS-21 (2')	112	101
880-26531-5	CS-22 (2')	108	97
880-26531-6	CS-23 (2')	114	104
880-26531-7	CS-24 (2')	112	100
880-26531-8	CS-25 (2')	108	97
880-26531-9	CS-26 (2')	112	103
880-26531-10	CS-27 (2')	109	100
880-26531-11	CS-28 (2')	111	100
880-26531-12	CS-29 (2')	98	86
880-26531-13	CS-30 (2')	103	95

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-26531-1

Project/Site: Big Eddy SWD

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)
880-26531-14	CS-31 (2')	92	82
880-26531-15	CS-32 (2')	109	98
880-26531-16	SW-13 (2')	98	87
880-26531-17	SW-14 (2')	109	100
880-26531-18	SW-15 (2')	98	87
880-26531-19	SW-16 (2')	84	73
LCS 880-49894/2-A	Lab Control Sample	144 S1+	135 S1+
LCSD 880-49894/3-A	Lab Control Sample Dup	137 S1+	120
MB 880-49894/1-A	Method Blank	143 S1+	120
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-49865/5-A

Matrix: Solid

Analysis Batch: 50102

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 49865

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/29/23 15:17	04/02/23 19:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/29/23 15:17	04/02/23 19:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/29/23 15:17	04/02/23 19:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/29/23 15:17	04/02/23 19:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/29/23 15:17	04/02/23 19:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/29/23 15:17	04/02/23 19:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130	03/29/23 15:17	04/02/23 19:51	1
1,4-Difluorobenzene (Surr)	96		70 - 130	03/29/23 15:17	04/02/23 19:51	1

Lab Sample ID: LCS 880-49865/1-A

Matrix: Solid

Analysis Batch: 50102

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 49865

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1089		mg/Kg		109	70 - 130
Toluene	0.100	0.1035		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.1109		mg/Kg		111	70 - 130
m-Xylene & p-Xylene	0.200	0.2398		mg/Kg		120	70 - 130
o-Xylene	0.100	0.1204		mg/Kg		120	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: LCSD 880-49865/2-A

Matrix: Solid

Analysis Batch: 50102

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 49865

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1170		mg/Kg		117	70 - 130	7	35
Toluene	0.100	0.1102		mg/Kg		110	70 - 130	6	35
Ethylbenzene	0.100	0.1131		mg/Kg		113	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2453		mg/Kg		123	70 - 130	2	35
o-Xylene	0.100	0.1237		mg/Kg		124	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 880-26531-1 MS

Matrix: Solid

Analysis Batch: 50102

Client Sample ID: CS-18 (2')

Prep Type: Total/NA

Prep Batch: 49865

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.0998	0.09386		mg/Kg		94	70 - 130
Toluene	<0.00198	U	0.0998	0.09536		mg/Kg		96	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-26531-1 MS

Matrix: Solid

Analysis Batch: 50102

Client Sample ID: CS-18 (2')

Prep Type: Total/NA

Prep Batch: 49865

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00198	U	0.0998	0.1062		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	<0.00396	U	0.200	0.2270		mg/Kg		114	70 - 130
o-Xylene	<0.00198	U	0.0998	0.1131		mg/Kg		113	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	129		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-26531-1 MSD

Matrix: Solid

Analysis Batch: 50102

Client Sample ID: CS-18 (2')

Prep Type: Total/NA

Prep Batch: 49865

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.100	0.1040		mg/Kg		104	70 - 130	10	35
Toluene	<0.00198	U	0.100	0.09980		mg/Kg		100	70 - 130	5	35
Ethylbenzene	<0.00198	U	0.100	0.1014		mg/Kg		101	70 - 130	5	35
m-Xylene & p-Xylene	<0.00396	U	0.200	0.2159		mg/Kg		108	70 - 130	5	35
o-Xylene	<0.00198	U	0.100	0.1081		mg/Kg		108	70 - 130	5	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

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

Lab Sample ID: MB 880-49894/1-A

Matrix: Solid

Analysis Batch: 49910

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 49894

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		03/29/23 16:49	03/30/23 22:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/29/23 16:49	03/30/23 22:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/29/23 16:49	03/30/23 22:39	1
Total TPH	<50.0	U	50.0		mg/Kg		03/29/23 16:49	03/30/23 22:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130	03/29/23 16:49	03/30/23 22:39	1
o-Terphenyl	120		70 - 130	03/29/23 16:49	03/30/23 22:39	1

Lab Sample ID: LCS 880-49894/2-A

Matrix: Solid

Analysis Batch: 49910

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 49894

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1027		mg/Kg		103	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-49894/2-A

Matrix: Solid

Analysis Batch: 49910

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 49894

Analyte			Spike	LCS	LCS				%Rec		
			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Diesel Range Organics (Over C10-C28)			1000	1031		mg/Kg		103	70 - 130		

Lab Sample ID: LCSD 880-49894/3-A

Matrix: Solid

Analysis Batch: 49910

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 49894

Analyte			Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
			Added	Result	Qualifier				Limits		Limit
Gasoline Range Organics (GRO)-C6-C10			1000	965.8		mg/Kg		97	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	947.0		mg/Kg		95	70 - 130	8	20
				LCSD	LCSD						
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	137	S1+	70 - 130								
o-Terphenyl	120		70 - 130								

Lab Sample ID: 880-26531-1 MS

Matrix: Solid

Analysis Batch: 49910

Client Sample ID: CS-18 (2')

Prep Type: Total/NA

Prep Batch: 49894

	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	1110		mg/Kg		109	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1007		mg/Kg		98	70 - 130		

Lab Sample ID: 880-26531-1 MSD

Matrix: Solid

Analysis Batch: 49910

Client Sample ID: CS-18 (2')

Prep Type: Total/NA

Prep Batch: 49894

	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	1103		mg/Kg		108	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1017		mg/Kg		99	70 - 130	1	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-49871/1-A

Matrix: Solid

Analysis Batch: 49902

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			03/29/23 23:36	1

Lab Sample ID: LCS 880-49871/2-A

Matrix: Solid

Analysis Batch: 49902

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	258.4		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-49871/3-A

Matrix: Solid

Analysis Batch: 49902

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: 880-26531-3 MS

Matrix: Solid

Analysis Batch: 49902

Client Sample ID: CS-20 (2')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	113		252	384.3		mg/Kg		108	90 - 110

Lab Sample ID: 880-26531-3 MSD

Matrix: Solid

Analysis Batch: 49902

Client Sample ID: CS-20 (2')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	113		252	385.0		mg/Kg		108	90 - 110	0	20

Lab Sample ID: MB 880-49874/1-A

Matrix: Solid

Analysis Batch: 49906

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			03/29/23 21:30	1

Lab Sample ID: LCS 880-49874/2-A

Matrix: Solid

Analysis Batch: 49906

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	246.9		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-49874/3-A

Matrix: Solid

Analysis Batch: 49906

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	251.6		mg/Kg		101	90 - 110	2	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-26531-13 MS										Client Sample ID: CS-30 (2')			
Matrix: Solid										Prep Type: Soluble			
Analysis Batch: 49906													
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	626	F1	253	927.5	F1	mg/Kg		119	90 - 110				

Lab Sample ID: 880-26531-13 MSD										Client Sample ID: CS-30 (2')			
Matrix: Solid										Prep Type: Soluble			
Analysis Batch: 49906													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	626	F1	253	922.6	F1	mg/Kg		117	90 - 110	1	20		

QC Association Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 49865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26531-1	CS-18 (2')	Total/NA	Solid	5035	
880-26531-2	CS-19 (2')	Total/NA	Solid	5035	
880-26531-3	CS-20 (2')	Total/NA	Solid	5035	
880-26531-4	CS-21 (2')	Total/NA	Solid	5035	
880-26531-5	CS-22 (2')	Total/NA	Solid	5035	
880-26531-6	CS-23 (2')	Total/NA	Solid	5035	
880-26531-7	CS-24 (2')	Total/NA	Solid	5035	
880-26531-8	CS-25 (2')	Total/NA	Solid	5035	
880-26531-9	CS-26 (2')	Total/NA	Solid	5035	
880-26531-10	CS-27 (2')	Total/NA	Solid	5035	
880-26531-11	CS-28 (2')	Total/NA	Solid	5035	
880-26531-12	CS-29 (2')	Total/NA	Solid	5035	
880-26531-13	CS-30 (2')	Total/NA	Solid	5035	
880-26531-14	CS-31 (2')	Total/NA	Solid	5035	
880-26531-15	CS-32 (2')	Total/NA	Solid	5035	
880-26531-16	SW-13 (2')	Total/NA	Solid	5035	
880-26531-17	SW-14 (2')	Total/NA	Solid	5035	
880-26531-18	SW-15 (2')	Total/NA	Solid	5035	
880-26531-19	SW-16 (2')	Total/NA	Solid	5035	
MB 880-49865/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-49865/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-49865/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-26531-1 MS	CS-18 (2')	Total/NA	Solid	5035	
880-26531-1 MSD	CS-18 (2')	Total/NA	Solid	5035	

Analysis Batch: 50102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26531-1	CS-18 (2')	Total/NA	Solid	8021B	49865
880-26531-2	CS-19 (2')	Total/NA	Solid	8021B	49865
880-26531-3	CS-20 (2')	Total/NA	Solid	8021B	49865
880-26531-4	CS-21 (2')	Total/NA	Solid	8021B	49865
880-26531-5	CS-22 (2')	Total/NA	Solid	8021B	49865
880-26531-6	CS-23 (2')	Total/NA	Solid	8021B	49865
880-26531-7	CS-24 (2')	Total/NA	Solid	8021B	49865
880-26531-8	CS-25 (2')	Total/NA	Solid	8021B	49865
880-26531-9	CS-26 (2')	Total/NA	Solid	8021B	49865
880-26531-10	CS-27 (2')	Total/NA	Solid	8021B	49865
880-26531-11	CS-28 (2')	Total/NA	Solid	8021B	49865
880-26531-12	CS-29 (2')	Total/NA	Solid	8021B	49865
880-26531-13	CS-30 (2')	Total/NA	Solid	8021B	49865
880-26531-14	CS-31 (2')	Total/NA	Solid	8021B	49865
880-26531-15	CS-32 (2')	Total/NA	Solid	8021B	49865
880-26531-16	SW-13 (2')	Total/NA	Solid	8021B	49865
880-26531-17	SW-14 (2')	Total/NA	Solid	8021B	49865
880-26531-18	SW-15 (2')	Total/NA	Solid	8021B	49865
880-26531-19	SW-16 (2')	Total/NA	Solid	8021B	49865
MB 880-49865/5-A	Method Blank	Total/NA	Solid	8021B	49865
LCS 880-49865/1-A	Lab Control Sample	Total/NA	Solid	8021B	49865
LCSD 880-49865/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	49865
880-26531-1 MS	CS-18 (2')	Total/NA	Solid	8021B	49865
880-26531-1 MSD	CS-18 (2')	Total/NA	Solid	8021B	49865

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

GC VOA

Analysis Batch: 50248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26531-1	CS-18 (2')	Total/NA	Solid	Total BTEX	
880-26531-2	CS-19 (2')	Total/NA	Solid	Total BTEX	
880-26531-3	CS-20 (2')	Total/NA	Solid	Total BTEX	
880-26531-4	CS-21 (2')	Total/NA	Solid	Total BTEX	
880-26531-5	CS-22 (2')	Total/NA	Solid	Total BTEX	
880-26531-6	CS-23 (2')	Total/NA	Solid	Total BTEX	
880-26531-7	CS-24 (2')	Total/NA	Solid	Total BTEX	
880-26531-8	CS-25 (2')	Total/NA	Solid	Total BTEX	
880-26531-9	CS-26 (2')	Total/NA	Solid	Total BTEX	
880-26531-10	CS-27 (2')	Total/NA	Solid	Total BTEX	
880-26531-11	CS-28 (2')	Total/NA	Solid	Total BTEX	
880-26531-12	CS-29 (2')	Total/NA	Solid	Total BTEX	
880-26531-13	CS-30 (2')	Total/NA	Solid	Total BTEX	
880-26531-14	CS-31 (2')	Total/NA	Solid	Total BTEX	
880-26531-15	CS-32 (2')	Total/NA	Solid	Total BTEX	
880-26531-16	SW-13 (2')	Total/NA	Solid	Total BTEX	
880-26531-17	SW-14 (2')	Total/NA	Solid	Total BTEX	
880-26531-18	SW-15 (2')	Total/NA	Solid	Total BTEX	
880-26531-19	SW-16 (2')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 49894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26531-1	CS-18 (2')	Total/NA	Solid	8015NM Prep	
880-26531-2	CS-19 (2')	Total/NA	Solid	8015NM Prep	
880-26531-3	CS-20 (2')	Total/NA	Solid	8015NM Prep	
880-26531-4	CS-21 (2')	Total/NA	Solid	8015NM Prep	
880-26531-5	CS-22 (2')	Total/NA	Solid	8015NM Prep	
880-26531-6	CS-23 (2')	Total/NA	Solid	8015NM Prep	
880-26531-7	CS-24 (2')	Total/NA	Solid	8015NM Prep	
880-26531-8	CS-25 (2')	Total/NA	Solid	8015NM Prep	
880-26531-9	CS-26 (2')	Total/NA	Solid	8015NM Prep	
880-26531-10	CS-27 (2')	Total/NA	Solid	8015NM Prep	
880-26531-11	CS-28 (2')	Total/NA	Solid	8015NM Prep	
880-26531-12	CS-29 (2')	Total/NA	Solid	8015NM Prep	
880-26531-13	CS-30 (2')	Total/NA	Solid	8015NM Prep	
880-26531-14	CS-31 (2')	Total/NA	Solid	8015NM Prep	
880-26531-15	CS-32 (2')	Total/NA	Solid	8015NM Prep	
880-26531-16	SW-13 (2')	Total/NA	Solid	8015NM Prep	
880-26531-17	SW-14 (2')	Total/NA	Solid	8015NM Prep	
880-26531-18	SW-15 (2')	Total/NA	Solid	8015NM Prep	
880-26531-19	SW-16 (2')	Total/NA	Solid	8015NM Prep	
MB 880-49894/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-49894/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-49894/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-26531-1 MS	CS-18 (2')	Total/NA	Solid	8015NM Prep	
880-26531-1 MSD	CS-18 (2')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

GC Semi VOA

Analysis Batch: 49910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26531-1	CS-18 (2')	Total/NA	Solid	8015B NM	49894
880-26531-2	CS-19 (2')	Total/NA	Solid	8015B NM	49894
880-26531-3	CS-20 (2')	Total/NA	Solid	8015B NM	49894
880-26531-4	CS-21 (2')	Total/NA	Solid	8015B NM	49894
880-26531-5	CS-22 (2')	Total/NA	Solid	8015B NM	49894
880-26531-6	CS-23 (2')	Total/NA	Solid	8015B NM	49894
880-26531-7	CS-24 (2')	Total/NA	Solid	8015B NM	49894
880-26531-8	CS-25 (2')	Total/NA	Solid	8015B NM	49894
880-26531-9	CS-26 (2')	Total/NA	Solid	8015B NM	49894
880-26531-10	CS-27 (2')	Total/NA	Solid	8015B NM	49894
880-26531-11	CS-28 (2')	Total/NA	Solid	8015B NM	49894
880-26531-12	CS-29 (2')	Total/NA	Solid	8015B NM	49894
880-26531-13	CS-30 (2')	Total/NA	Solid	8015B NM	49894
880-26531-14	CS-31 (2')	Total/NA	Solid	8015B NM	49894
880-26531-15	CS-32 (2')	Total/NA	Solid	8015B NM	49894
880-26531-16	SW-13 (2')	Total/NA	Solid	8015B NM	49894
880-26531-17	SW-14 (2')	Total/NA	Solid	8015B NM	49894
880-26531-18	SW-15 (2')	Total/NA	Solid	8015B NM	49894
880-26531-19	SW-16 (2')	Total/NA	Solid	8015B NM	49894
MB 880-49894/1-A	Method Blank	Total/NA	Solid	8015B NM	49894
LCS 880-49894/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	49894
LCSD 880-49894/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	49894
880-26531-1 MS	CS-18 (2')	Total/NA	Solid	8015B NM	49894
880-26531-1 MSD	CS-18 (2')	Total/NA	Solid	8015B NM	49894

Analysis Batch: 50027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26531-1	CS-18 (2')	Total/NA	Solid	8015 NM	
880-26531-2	CS-19 (2')	Total/NA	Solid	8015 NM	
880-26531-3	CS-20 (2')	Total/NA	Solid	8015 NM	
880-26531-4	CS-21 (2')	Total/NA	Solid	8015 NM	
880-26531-5	CS-22 (2')	Total/NA	Solid	8015 NM	
880-26531-6	CS-23 (2')	Total/NA	Solid	8015 NM	
880-26531-7	CS-24 (2')	Total/NA	Solid	8015 NM	
880-26531-8	CS-25 (2')	Total/NA	Solid	8015 NM	
880-26531-9	CS-26 (2')	Total/NA	Solid	8015 NM	
880-26531-10	CS-27 (2')	Total/NA	Solid	8015 NM	
880-26531-11	CS-28 (2')	Total/NA	Solid	8015 NM	
880-26531-12	CS-29 (2')	Total/NA	Solid	8015 NM	
880-26531-13	CS-30 (2')	Total/NA	Solid	8015 NM	
880-26531-14	CS-31 (2')	Total/NA	Solid	8015 NM	
880-26531-15	CS-32 (2')	Total/NA	Solid	8015 NM	
880-26531-16	SW-13 (2')	Total/NA	Solid	8015 NM	
880-26531-17	SW-14 (2')	Total/NA	Solid	8015 NM	
880-26531-18	SW-15 (2')	Total/NA	Solid	8015 NM	
880-26531-19	SW-16 (2')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

HPLC/IC

Leach Batch: 49871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26531-1	CS-18 (2')	Soluble	Solid	DI Leach	
880-26531-2	CS-19 (2')	Soluble	Solid	DI Leach	
880-26531-3	CS-20 (2')	Soluble	Solid	DI Leach	
880-26531-4	CS-21 (2')	Soluble	Solid	DI Leach	
880-26531-5	CS-22 (2')	Soluble	Solid	DI Leach	
880-26531-6	CS-23 (2')	Soluble	Solid	DI Leach	
880-26531-7	CS-24 (2')	Soluble	Solid	DI Leach	
880-26531-8	CS-25 (2')	Soluble	Solid	DI Leach	
880-26531-9	CS-26 (2')	Soluble	Solid	DI Leach	
880-26531-10	CS-27 (2')	Soluble	Solid	DI Leach	
880-26531-11	CS-28 (2')	Soluble	Solid	DI Leach	
880-26531-12	CS-29 (2')	Soluble	Solid	DI Leach	
MB 880-49871/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-49871/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-49871/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-26531-3 MS	CS-20 (2')	Soluble	Solid	DI Leach	
880-26531-3 MSD	CS-20 (2')	Soluble	Solid	DI Leach	

Leach Batch: 49874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26531-13	CS-30 (2')	Soluble	Solid	DI Leach	
880-26531-14	CS-31 (2')	Soluble	Solid	DI Leach	
880-26531-15	CS-32 (2')	Soluble	Solid	DI Leach	
880-26531-16	SW-13 (2')	Soluble	Solid	DI Leach	
880-26531-17	SW-14 (2')	Soluble	Solid	DI Leach	
880-26531-18	SW-15 (2')	Soluble	Solid	DI Leach	
880-26531-19	SW-16 (2')	Soluble	Solid	DI Leach	
MB 880-49874/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-49874/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-49874/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-26531-13 MS	CS-30 (2')	Soluble	Solid	DI Leach	
880-26531-13 MSD	CS-30 (2')	Soluble	Solid	DI Leach	

Analysis Batch: 49902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26531-1	CS-18 (2')	Soluble	Solid	300.0	49871
880-26531-2	CS-19 (2')	Soluble	Solid	300.0	49871
880-26531-3	CS-20 (2')	Soluble	Solid	300.0	49871
880-26531-4	CS-21 (2')	Soluble	Solid	300.0	49871
880-26531-5	CS-22 (2')	Soluble	Solid	300.0	49871
880-26531-6	CS-23 (2')	Soluble	Solid	300.0	49871
880-26531-7	CS-24 (2')	Soluble	Solid	300.0	49871
880-26531-8	CS-25 (2')	Soluble	Solid	300.0	49871
880-26531-9	CS-26 (2')	Soluble	Solid	300.0	49871
880-26531-10	CS-27 (2')	Soluble	Solid	300.0	49871
880-26531-11	CS-28 (2')	Soluble	Solid	300.0	49871
880-26531-12	CS-29 (2')	Soluble	Solid	300.0	49871
MB 880-49871/1-A	Method Blank	Soluble	Solid	300.0	49871
LCS 880-49871/2-A	Lab Control Sample	Soluble	Solid	300.0	49871
LCSD 880-49871/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	49871
880-26531-3 MS	CS-20 (2')	Soluble	Solid	300.0	49871

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Analysis Batch: 49902 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26531-3 MSD	CS-20 (2')	Soluble	Solid	300.0	49871

Analysis Batch: 49906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26531-13	CS-30 (2')	Soluble	Solid	300.0	49874
880-26531-14	CS-31 (2')	Soluble	Solid	300.0	49874
880-26531-15	CS-32 (2')	Soluble	Solid	300.0	49874
880-26531-16	SW-13 (2')	Soluble	Solid	300.0	49874
880-26531-17	SW-14 (2')	Soluble	Solid	300.0	49874
880-26531-18	SW-15 (2')	Soluble	Solid	300.0	49874
880-26531-19	SW-16 (2')	Soluble	Solid	300.0	49874
MB 880-49874/1-A	Method Blank	Soluble	Solid	300.0	49874
LCS 880-49874/2-A	Lab Control Sample	Soluble	Solid	300.0	49874
LCSD 880-49874/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	49874
880-26531-13 MS	CS-30 (2')	Soluble	Solid	300.0	49874
880-26531-13 MSD	CS-30 (2')	Soluble	Solid	300.0	49874

Lab Chronicle

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

Client Sample ID: CS-18 (2')

Lab Sample ID: 880-26531-1

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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	49865	03/29/23 15:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50102	04/02/23 20:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50248	04/03/23 15:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			50027	03/31/23 10:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	49894	03/29/23 16:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49910	03/30/23 23:44	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	49871	03/29/23 15:55	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49902	03/30/23 00:49	SMC	EET MID

Client Sample ID: CS-19 (2')

Lab Sample ID: 880-26531-2

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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	49865	03/29/23 15:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50102	04/02/23 20:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50248	04/03/23 15:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			50027	03/31/23 10:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49894	03/29/23 16:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49910	03/31/23 00:50	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	49871	03/29/23 15:55	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49902	03/30/23 00:53	SMC	EET MID

Client Sample ID: CS-20 (2')

Lab Sample ID: 880-26531-3

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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	49865	03/29/23 15:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50102	04/02/23 20:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50248	04/03/23 15:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			50027	03/31/23 10:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49894	03/29/23 16:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49910	03/31/23 01:12	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	49871	03/29/23 15:55	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49902	03/30/23 00:58	SMC	EET MID

Client Sample ID: CS-21 (2')

Lab Sample ID: 880-26531-4

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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	49865	03/29/23 15:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50102	04/02/23 21:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50248	04/03/23 15:56	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

Client Sample ID: CS-21 (2')

Lab Sample ID: 880-26531-4

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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			50027	03/31/23 10:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49894	03/29/23 16:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49910	03/31/23 01:34	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	49871	03/29/23 15:55	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49902	03/30/23 01:13	SMC	EET MID

Client Sample ID: CS-22 (2')

Lab Sample ID: 880-26531-5

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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	49865	03/29/23 15:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50102	04/02/23 21:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50248	04/03/23 15:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			50027	03/31/23 10:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49894	03/29/23 16:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49910	03/31/23 01:56	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	49871	03/29/23 15:55	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49902	03/30/23 01:18	SMC	EET MID

Client Sample ID: CS-23 (2')

Lab Sample ID: 880-26531-6

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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	49865	03/29/23 15:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50102	04/02/23 21:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50248	04/03/23 15:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			50027	03/31/23 10:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	49894	03/29/23 16:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49910	03/31/23 02:18	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	49871	03/29/23 15:55	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49902	03/30/23 01:32	SMC	EET MID

Client Sample ID: CS-24 (2')

Lab Sample ID: 880-26531-7

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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	49865	03/29/23 15:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50102	04/02/23 22:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50248	04/03/23 15:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			50027	03/31/23 10:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49894	03/29/23 16:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49910	03/31/23 02:40	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

Client Sample ID: CS-24 (2')

Lab Sample ID: 880-26531-7

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	49871	03/29/23 15:55	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49902	03/30/23 01:37	SMC	EET MID

Client Sample ID: CS-25 (2')

Lab Sample ID: 880-26531-8

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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	49865	03/29/23 15:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50102	04/02/23 22:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50248	04/03/23 15:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			50027	03/31/23 10:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49894	03/29/23 16:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49910	03/31/23 03:02	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	49871	03/29/23 15:55	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49902	03/30/23 01:42	SMC	EET MID

Client Sample ID: CS-26 (2')

Lab Sample ID: 880-26531-9

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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	49865	03/29/23 15:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50102	04/02/23 22:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50248	04/03/23 15:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			50027	03/31/23 10:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49894	03/29/23 16:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49910	03/31/23 03:24	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	49871	03/29/23 15:55	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49902	03/30/23 01:47	SMC	EET MID

Client Sample ID: CS-27 (2')

Lab Sample ID: 880-26531-10

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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	49865	03/29/23 15:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50102	04/02/23 23:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50248	04/03/23 15:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			50027	03/31/23 10:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49894	03/29/23 16:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49910	03/31/23 03:46	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	49871	03/29/23 15:55	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49902	03/30/23 01:51	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

Client Sample ID: CS-28 (2')

Lab Sample ID: 880-26531-11

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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	49865	03/29/23 15:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50102	04/03/23 00:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50248	04/03/23 15:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			50027	03/31/23 10:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49894	03/29/23 16:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49910	03/31/23 04:30	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	49871	03/29/23 15:55	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49902	03/30/23 01:56	SMC	EET MID

Client Sample ID: CS-29 (2')

Lab Sample ID: 880-26531-12

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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	49865	03/29/23 15:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50102	04/03/23 01:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50248	04/03/23 15:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			50027	03/31/23 10:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49894	03/29/23 16:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49910	03/31/23 04:52	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	49871	03/29/23 15:55	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49902	03/30/23 02:01	SMC	EET MID

Client Sample ID: CS-30 (2')

Lab Sample ID: 880-26531-13

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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	49865	03/29/23 15:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50102	04/03/23 01:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50248	04/03/23 15:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			50027	03/31/23 10:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49894	03/29/23 16:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49910	03/31/23 05:15	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	49874	03/29/23 15:59	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49906	03/29/23 21:44	SMC	EET MID

Client Sample ID: CS-31 (2')

Lab Sample ID: 880-26531-14

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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	49865	03/29/23 15:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50102	04/03/23 01:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50248	04/03/23 15:56	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

Client Sample ID: CS-31 (2')

Lab Sample ID: 880-26531-14

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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			50027	03/31/23 10:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49894	03/29/23 16:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49910	03/31/23 05:37	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	49874	03/29/23 15:59	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49906	03/29/23 21:57	SMC	EET MID

Client Sample ID: CS-32 (2')

Lab Sample ID: 880-26531-15

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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	49865	03/29/23 15:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50102	04/03/23 02:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50248	04/03/23 15:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			50027	03/31/23 10:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.031 g	10 mL	49894	03/29/23 16:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49910	03/31/23 05:59	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	49874	03/29/23 15:59	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49906	03/29/23 22:02	SMC	EET MID

Client Sample ID: SW-13 (2')

Lab Sample ID: 880-26531-16

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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	49865	03/29/23 15:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50102	04/03/23 02:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50248	04/03/23 15:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			50027	03/31/23 10:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49894	03/29/23 16:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49910	03/31/23 06:21	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	49874	03/29/23 15:59	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49906	03/29/23 22:06	SMC	EET MID

Client Sample ID: SW-14 (2')

Lab Sample ID: 880-26531-17

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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	49865	03/29/23 15:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50102	04/03/23 02:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50248	04/03/23 15:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			50027	03/31/23 10:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49894	03/29/23 16:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49910	03/31/23 06:42	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

Client Sample ID: SW-14 (2')

Lab Sample ID: 880-26531-17

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	49874	03/29/23 15:59	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49906	03/29/23 22:11	SMC	EET MID

Client Sample ID: SW-15 (2')

Lab Sample ID: 880-26531-18

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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	49865	03/29/23 15:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50102	04/03/23 03:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50248	04/03/23 15:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			50027	03/31/23 10:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	49894	03/29/23 16:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49910	03/31/23 07:05	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	49874	03/29/23 15:59	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49906	03/29/23 22:25	SMC	EET MID

Client Sample ID: SW-16 (2')

Lab Sample ID: 880-26531-19

Date Collected: 03/28/23 00:00

Matrix: Solid

Date Received: 03/29/23 14:19

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	49865	03/29/23 15:17	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50102	04/03/23 03:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50248	04/03/23 15:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			50027	03/31/23 10:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49894	03/29/23 16:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49910	03/31/23 07:27	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	49874	03/29/23 15:59	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	49906	03/29/23 22:29	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8015B NM	8015NM Prep	Solid	Total TPH
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: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26531-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-26531-1	CS-18 (2')	Solid	03/28/23 00:00	03/29/23 14:19
880-26531-2	CS-19 (2')	Solid	03/28/23 00:00	03/29/23 14:19
880-26531-3	CS-20 (2')	Solid	03/28/23 00:00	03/29/23 14:19
880-26531-4	CS-21 (2')	Solid	03/28/23 00:00	03/29/23 14:19
880-26531-5	CS-22 (2')	Solid	03/28/23 00:00	03/29/23 14:19
880-26531-6	CS-23 (2')	Solid	03/28/23 00:00	03/29/23 14:19
880-26531-7	CS-24 (2')	Solid	03/28/23 00:00	03/29/23 14:19
880-26531-8	CS-25 (2')	Solid	03/28/23 00:00	03/29/23 14:19
880-26531-9	CS-26 (2')	Solid	03/28/23 00:00	03/29/23 14:19
880-26531-10	CS-27 (2')	Solid	03/28/23 00:00	03/29/23 14:19
880-26531-11	CS-28 (2')	Solid	03/28/23 00:00	03/29/23 14:19
880-26531-12	CS-29 (2')	Solid	03/28/23 00:00	03/29/23 14:19
880-26531-13	CS-30 (2')	Solid	03/28/23 00:00	03/29/23 14:19
880-26531-14	CS-31 (2')	Solid	03/28/23 00:00	03/29/23 14:19
880-26531-15	CS-32 (2')	Solid	03/28/23 00:00	03/29/23 14:19
880-26531-16	SW-13 (2')	Solid	03/28/23 00:00	03/29/23 14:19
880-26531-17	SW-14 (2')	Solid	03/28/23 00:00	03/29/23 14:19
880-26531-18	SW-15 (2')	Solid	03/28/23 00:00	03/29/23 14:19
880-26531-19	SW-16 (2')	Solid	03/28/23 00:00	03/29/23 14:19

Project Manager	Conner Moehring	Bill to (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St. Ste 415	Address	865 North Albion St. Ste 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver, CO 80220
Phone	432 813 6823	Email	joseph.vargo@nqleap.com

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

[illegible]

Sample Identification	Date	Time	Soil	Water	Grav/ Comp	# of Cont	TPH															Sample Comments
CS-18 (2)	3/28/2023		X		C	1	X	X	X													
CS-19 (2)	3/28/2023		X		C	1	X	X	X													
CS-20 (2)	3/28/2023		X		C	1	X	X	X													
CS-21 (2)	3/28/2023		X		C	1	X	X	X													
CS-22 (2)	3/28/2023		X		C	1	X	X	X													
CS-23 (2)	3/28/2023		X		C	1	X	X	X													
CS-24 (2)	3/28/2023		X		C	1	X	X	X													
CS-25 (2)	3/28/2023		X		C	1	X	X	X													
CS-26 (2)	3/28/2023		X		C	1	X	X	X													
CS-27 (2)	3/28/2023		X		C	1	X	X	X													



880-26531 Chain of Custody

402

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	3-29-23 1419		

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Work Order No: 26531

Page 2 of 2

Project Manager	Conner Moehring	Bill to (if different)	Joseph Vargo
Company Name	Carmona Resources	Company Name	NGL Water Solutions Permian
Address	310 W Wall St. Ste 415	Address	865 North Albion St. Ste 400
City, State ZIP	Midland, TX 79701	City, State ZIP	Denver, CO 80220
Phone	432 813.6823	Email	joseph.vargo@nlepp.com

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

Project Name	Big Eddy SWD		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number	1105	☐ Routine ☒ Rush	24 Hrs			None NO	DI Water	H ₂ O											
Project Location	Eddy Co, NM	Due Date			Cool Cool	MeOH	Me												
Sampler's Name	KB	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 No	Wet Ice	Yes No														
Received Inact	Yes No	Thermometer ID																	
Cooler Custody Seals	Yes No N/A	Correction Factor																	
Sample Custody Seals	Yes No N/A	Temperature Reading																	
Total Containers		Corrected Temperature																	
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters										Sample Comments	
CS-28 (2)		3/28/2023		X		C	1	BTEX 8021B											
CS-29 (2)		3/28/2023		X		C	1	TPH 8015M (GRO + DRO + MRO)											
CS-30 (2)		3/28/2023		X		C	1	Chloride 300.0											
CS-31 (2)		3/28/2023		X		C	1												
CS-32 (2)		3/28/2023		X		C	1												
SW-13 (2)		3/28/2023		X		C	1												
SW-14 (2)		3/28/2023		X		C	1												
SW-15 (2)		3/28/2023		X		C	1												
SW-16 (2)		3/28/2023		X		C	1												

Relinquished by (Signature)

Date/Time

Received by (Signature)

Date/Time

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-26531-1

SDG Number: Eddy Co, NM

Login Number: 26531

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring
Carmona Resources
310 W Wall St
Ste 415
Midland, Texas 79701

Generated 4/5/2023 7:12:48 AM

JOB DESCRIPTION

Big Eddy SWD
SDG NUMBER Eddy Co, NM

JOB NUMBER

880-26738-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland**Job Notes**

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

Authorization

Generated
4/5/2023 7:12:48 AM

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

Client: Carmona Resources
Project/Site: Big Eddy SWD

Laboratory Job ID: 880-26738-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26738-1
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
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Job ID: 880-26738-1
SDG: Eddy Co, NM

Job ID: 880-26738-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-26738-1****Receipt**

The samples were received on 4/3/2023 5:00 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 3.4°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-25 (2.25') (880-26738-1), CS-30 (2.25') (880-26738-2) and SW-14 (2') (880-26738-3).

GC VOA

Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-50191 and analytical batch 880-50285 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: CS-30 (2.25') (880-26738-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-50249 and analytical batch 880-50270 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. CS-25 (2.25') (880-26738-1), CS-30 (2.25') (880-26738-2), SW-14 (2') (880-26738-3), (880-26738-A-1-B MS) and (880-26738-A-1-C MSD)

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: Big Eddy SWD

Job ID: 880-26738-1
SDG: Eddy Co, NM

Client Sample ID: CS-25 (2.25')

Lab Sample ID: 880-26738-1

Date Collected: 04/03/23 00:00

Matrix: Solid

Date Received: 04/03/23 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/03/23 17:05	04/04/23 12:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/03/23 17:05	04/04/23 12:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/03/23 17:05	04/04/23 12:11	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/03/23 17:05	04/04/23 12:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/03/23 17:05	04/04/23 12:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/03/23 17:05	04/04/23 12:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130	04/03/23 17:05	04/04/23 12:11	1
1,4-Difluorobenzene (Surr)	81		70 - 130	04/03/23 17:05	04/04/23 12:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/04/23 15:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/05/23 08:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/04/23 09:34	04/04/23 10:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/04/23 09:34	04/04/23 10:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/04/23 09:34	04/04/23 10:30	1
Total TPH	<49.9	U	49.9		mg/Kg		04/04/23 09:34	04/04/23 10:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	04/04/23 09:34	04/04/23 10:30	1
o-Terphenyl	79		70 - 130	04/04/23 09:34	04/04/23 10:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.8	F1	4.95		mg/Kg			04/03/23 22:56	1

Client Sample ID: CS-30 (2.25')

Lab Sample ID: 880-26738-2

Date Collected: 04/03/23 00:00

Matrix: Solid

Date Received: 04/03/23 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/03/23 17:05	04/04/23 12:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/03/23 17:05	04/04/23 12:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/03/23 17:05	04/04/23 12:32	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/03/23 17:05	04/04/23 12:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/03/23 17:05	04/04/23 12:32	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/03/23 17:05	04/04/23 12:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	66	S1-	70 - 130	04/03/23 17:05	04/04/23 12:32	1
1,4-Difluorobenzene (Surr)	80		70 - 130	04/03/23 17:05	04/04/23 12:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26738-1
SDG: Eddy Co, NM

Client Sample ID: CS-30 (2.25')

Lab Sample ID: 880-26738-2

Date Collected: 04/03/23 00:00

Matrix: Solid

Date Received: 04/03/23 17:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			04/04/23 15:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			04/05/23 08:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/04/23 09:34	04/04/23 11:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/04/23 09:34	04/04/23 11:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/04/23 09:34	04/04/23 11:35	1
Total TPH	<50.0	U	50.0		mg/Kg		04/04/23 09:34	04/04/23 11:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	04/04/23 09:34	04/04/23 11:35	1
o-Terphenyl	80		70 - 130	04/04/23 09:34	04/04/23 11:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		5.03		mg/Kg			04/03/23 23:10	1

Client Sample ID: SW-14 (2')

Lab Sample ID: 880-26738-3

Date Collected: 04/03/23 00:00

Matrix: Solid

Date Received: 04/03/23 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/03/23 17:05	04/04/23 12:52	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/03/23 17:05	04/04/23 12:52	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/03/23 17:05	04/04/23 12:52	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/03/23 17:05	04/04/23 12:52	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/03/23 17:05	04/04/23 12:52	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/03/23 17:05	04/04/23 12:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	04/03/23 17:05	04/04/23 12:52	1
1,4-Difluorobenzene (Surr)	79		70 - 130	04/03/23 17:05	04/04/23 12:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			04/04/23 15:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			04/05/23 08:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/04/23 09:34	04/04/23 11:57	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26738-1
SDG: Eddy Co, NM

Client Sample ID: SW-14 (2')
Date Collected: 04/03/23 00:00
Date Received: 04/03/23 17:00

Lab Sample ID: 880-26738-3
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/04/23 09:34	04/04/23 11:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/04/23 09:34	04/04/23 11:57	1
Total TPH	<49.9	U	49.9		mg/Kg		04/04/23 09:34	04/04/23 11:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				04/04/23 09:34	04/04/23 11:57	1
o-Terphenyl	76		70 - 130				04/04/23 09:34	04/04/23 11:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	89.3		5.04		mg/Kg			04/03/23 23:15	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26738-1
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)
880-26511-A-8-B MS	Matrix Spike	91	110
880-26511-A-8-D MSD	Matrix Spike Duplicate	113	115
880-26738-1	CS-25 (2.25')	75	81
880-26738-2	CS-30 (2.25')	66 S1-	80
880-26738-3	SW-14 (2')	89	79
LCS 880-50191/1-A	Lab Control Sample	84	114
LCSD 880-50191/2-A	Lab Control Sample Dup	101	110
MB 880-50191/5-A	Method Blank	79	95
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)
880-26738-1	CS-25 (2.25')	100	79
880-26738-1 MS	CS-25 (2.25')	111	75
880-26738-1 MSD	CS-25 (2.25')	112	75
880-26738-2	CS-30 (2.25')	97	80
880-26738-3	SW-14 (2')	92	76
LCS 880-50296/2-A	Lab Control Sample	126	96
LCSD 880-50296/3-A	Lab Control Sample Dup	104	80
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26738-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-50191/5-A

Matrix: Solid

Analysis Batch: 50285

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 50191

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/03/23 12:30	04/04/23 10:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/03/23 12:30	04/04/23 10:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/03/23 12:30	04/04/23 10:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/03/23 12:30	04/04/23 10:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/03/23 12:30	04/04/23 10:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/03/23 12:30	04/04/23 10:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130	04/03/23 12:30	04/04/23 10:48	1
1,4-Difluorobenzene (Surr)	95		70 - 130	04/03/23 12:30	04/04/23 10:48	1

Lab Sample ID: LCS 880-50191/1-A

Matrix: Solid

Analysis Batch: 50285

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 50191

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1268		mg/Kg		127	70 - 130
Toluene	0.100	0.1053		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.09615		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	0.200	0.1915		mg/Kg		96	70 - 130
o-Xylene	0.100	0.09559		mg/Kg		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	84		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Lab Sample ID: LCSD 880-50191/2-A

Matrix: Solid

Analysis Batch: 50285

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 50191

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1148		mg/Kg		115	70 - 130	10	35
Toluene	0.100	0.1049		mg/Kg		105	70 - 130	0	35
Ethylbenzene	0.100	0.1016		mg/Kg		102	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2112		mg/Kg		106	70 - 130	10	35
o-Xylene	0.100	0.1057		mg/Kg		106	70 - 130	10	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-26511-A-8-B MS

Matrix: Solid

Analysis Batch: 50285

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 50191

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.101	0.09221		mg/Kg		91	70 - 130
Toluene	<0.00201	U	0.101	0.07529		mg/Kg		73	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26738-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-26511-A-8-B MS

Matrix: Solid

Analysis Batch: 50285

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 50191

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Ethylbenzene	0.00387	F1	0.101	0.06979	F1	mg/Kg		65	70 - 130		
m-Xylene & p-Xylene	<0.00402	U F1	0.202	0.1324	F1	mg/Kg		64	70 - 130		
o-Xylene	<0.00201	U F1	0.101	0.06655	F1	mg/Kg		64	70 - 130		
	</										

Lab Sample ID: 880-26511-A-8-D MSD

Matrix: Solid

Analysis Batch: 50285

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 50191

	Sample	Sample	Spike	MSD	MSD			%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U	0.0990	0.1029		mg/Kg		104	70 - 130	11	35
Toluene	<0.00201	U	0.0990	0.08470		mg/Kg		84	70 - 130	12	35
Ethylbenzene	0.00387	F1	0.0990	0.08179		mg/Kg		79	70 - 130	16	35
m-Xylene & p-Xylene	<0.00402	U F1	0.198	0.1626		mg/Kg		80	70 - 130	20	35
o-Xylene	<0.00201	U F1	0.0990	0.08189		mg/Kg		81	70 - 130	21	35
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	113		70 - 130								
1,4-Difluorobenzene (Surr)	115		70 - 130								

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

Lab Sample ID: LCS 880-50296/2-A

Matrix: Solid

Analysis Batch: 50277

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 50296

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier			Limits			
Gasoline Range Organics (GRO)-C6-C10			1000	836.1		mg/Kg		84	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	919.8		mg/Kg		92	70 - 130		
		LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	126		70 - 130								
o-Terphenyl	96		70 - 130								

Lab Sample ID: LCSD 880-50296/3-A

Matrix: Solid

Analysis Batch: 50277

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 50296

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	933.6		mg/Kg		93	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	1000	965.5		mg/Kg		97	70 - 130	5	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26738-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-50296/3-A

Matrix: Solid

Analysis Batch: 50277

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 50296

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	80		70 - 130

Lab Sample ID: 880-26738-1 MS

Matrix: Solid

Analysis Batch: 50277

Client Sample ID: CS-25 (2.25')

Prep Type: Total/NA

Prep Batch: 50296

	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	1130		mg/Kg		109	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	998	926.0		mg/Kg		93	70 - 130	
Surrogate	%Recovery	Qualifier	Limits	MS	MS					
1-Chlorooctane	111		70 - 130							
o-Terphenyl	75		70 - 130							

Lab Sample ID: 880-26738-1 MSD

Matrix: Solid

Analysis Batch: 50277

Client Sample ID: CS-25 (2.25')

Prep Type: Total/NA

Prep Batch: 50296

	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	1201		mg/Kg		116	70 - 130	6	20	
Diesel Range Organics (Over C10-C28)	<49.9	U	999	932.3		mg/Kg		93	70 - 130	1	20	
Surrogate	%Recovery	Qualifier	Limits	MSD	MSD							
1-Chlorooctane	112		70 - 130									
o-Terphenyl	75		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-50249/1-A

Matrix: Solid

Analysis Batch: 50270

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			04/03/23 21:34	1	

Lab Sample ID: LCS 880-50249/2-A

Matrix: Solid

Analysis Batch: 50270

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	250	247.6		mg/Kg		99	90 - 110		

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QC Sample Results

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26738-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-50249/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 50270											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	246.4		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-26738-1 MS				Client Sample ID: CS-25 (2.25')							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 50270											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	96.8	F1	248	311.9	F1	mg/Kg		87	90 - 110		

Lab Sample ID: 880-26738-1 MSD				Client Sample ID: CS-25 (2.25')							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 50270											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	96.8	F1	248	312.6	F1	mg/Kg		87	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26738-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 50191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26738-1	CS-25 (2.25')	Total/NA	Solid	5035	
880-26738-2	CS-30 (2.25')	Total/NA	Solid	5035	
880-26738-3	SW-14 (2')	Total/NA	Solid	5035	
MB 880-50191/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-50191/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-50191/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-26511-A-8-B MS	Matrix Spike	Total/NA	Solid	5035	
880-26511-A-8-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 50285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26738-1	CS-25 (2.25')	Total/NA	Solid	8021B	50191
880-26738-2	CS-30 (2.25')	Total/NA	Solid	8021B	50191
880-26738-3	SW-14 (2')	Total/NA	Solid	8021B	50191
MB 880-50191/5-A	Method Blank	Total/NA	Solid	8021B	50191
LCS 880-50191/1-A	Lab Control Sample	Total/NA	Solid	8021B	50191
LCSD 880-50191/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	50191
880-26511-A-8-B MS	Matrix Spike	Total/NA	Solid	8021B	50191
880-26511-A-8-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	50191

Analysis Batch: 50326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26738-1	CS-25 (2.25')	Total/NA	Solid	Total BTEX	
880-26738-2	CS-30 (2.25')	Total/NA	Solid	Total BTEX	
880-26738-3	SW-14 (2')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 50277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26738-1	CS-25 (2.25')	Total/NA	Solid	8015B NM	50296
880-26738-2	CS-30 (2.25')	Total/NA	Solid	8015B NM	50296
880-26738-3	SW-14 (2')	Total/NA	Solid	8015B NM	50296
LCS 880-50296/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	50296
LCSD 880-50296/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	50296
880-26738-1 MS	CS-25 (2.25')	Total/NA	Solid	8015B NM	50296
880-26738-1 MSD	CS-25 (2.25')	Total/NA	Solid	8015B NM	50296

Prep Batch: 50296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26738-1	CS-25 (2.25')	Total/NA	Solid	8015NM Prep	
880-26738-2	CS-30 (2.25')	Total/NA	Solid	8015NM Prep	
880-26738-3	SW-14 (2')	Total/NA	Solid	8015NM Prep	
LCS 880-50296/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-50296/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-26738-1 MS	CS-25 (2.25')	Total/NA	Solid	8015NM Prep	
880-26738-1 MSD	CS-25 (2.25')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 50356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26738-1	CS-25 (2.25')	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26738-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 50356 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26738-2	CS-30 (2.25')	Total/NA	Solid	8015 NM	
880-26738-3	SW-14 (2')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 50249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26738-1	CS-25 (2.25')	Soluble	Solid	DI Leach	
880-26738-2	CS-30 (2.25')	Soluble	Solid	DI Leach	
880-26738-3	SW-14 (2')	Soluble	Solid	DI Leach	
MB 880-50249/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-50249/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-50249/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-26738-1 MS	CS-25 (2.25')	Soluble	Solid	DI Leach	
880-26738-1 MSD	CS-25 (2.25')	Soluble	Solid	DI Leach	

Analysis Batch: 50270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26738-1	CS-25 (2.25')	Soluble	Solid	300.0	50249
880-26738-2	CS-30 (2.25')	Soluble	Solid	300.0	50249
880-26738-3	SW-14 (2')	Soluble	Solid	300.0	50249
MB 880-50249/1-A	Method Blank	Soluble	Solid	300.0	50249
LCS 880-50249/2-A	Lab Control Sample	Soluble	Solid	300.0	50249
LCSD 880-50249/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	50249
880-26738-1 MS	CS-25 (2.25')	Soluble	Solid	300.0	50249
880-26738-1 MSD	CS-25 (2.25')	Soluble	Solid	300.0	50249

Lab Chronicle

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26738-1
SDG: Eddy Co, NM

Client Sample ID: CS-25 (2.25')

Lab Sample ID: 880-26738-1

Date Collected: 04/03/23 00:00

Matrix: Solid

Date Received: 04/03/23 17:00

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	50191	04/03/23 17:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50285	04/04/23 12:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50326	04/04/23 15:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			50356	04/05/23 08:04	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	50296	04/04/23 09:34	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50277	04/04/23 10:30	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	50249	04/03/23 17:30	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50270	04/03/23 22:56	SMC	EET MID

Client Sample ID: CS-30 (2.25')

Lab Sample ID: 880-26738-2

Date Collected: 04/03/23 00:00

Matrix: Solid

Date Received: 04/03/23 17:00

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	50191	04/03/23 17:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50285	04/04/23 12:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50326	04/04/23 15:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			50356	04/05/23 08:04	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	50296	04/04/23 09:34	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50277	04/04/23 11:35	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	50249	04/03/23 17:30	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50270	04/03/23 23:10	SMC	EET MID

Client Sample ID: SW-14 (2')

Lab Sample ID: 880-26738-3

Date Collected: 04/03/23 00:00

Matrix: Solid

Date Received: 04/03/23 17:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	50191	04/03/23 17:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	50285	04/04/23 12:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50326	04/04/23 15:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			50356	04/05/23 08:04	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	50296	04/04/23 09:34	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	50277	04/04/23 11:57	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	50249	04/03/23 17:30	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50270	04/03/23 23:15	SMC	EET MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26738-1
SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8015B NM	8015NM Prep	Solid	Total TPH
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: Big Eddy SWD

Job ID: 880-26738-1
SDG: Eddy Co, NM

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Big Eddy SWD

Job ID: 880-26738-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-26738-1	CS-25 (2.25')	Solid	04/03/23 00:00	04/03/23 17:00
880-26738-2	CS-30 (2.25')	Solid	04/03/23 00:00	04/03/23 17:00
880-26738-3	SW-14 (2')	Solid	04/03/23 00:00	04/03/23 17:00

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26738

Page 1 of 1

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

JEST	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

[illegible][illegible]

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-26738-1

SDG Number: Eddy Co, NM

Login Number: 26738

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 205445

CONDITIONS

Operator: NGL WATER SOLUTIONS PERMIAN, LLC 865 North Albion Street Denver, CO 80220	OGRID: 372338
	Action Number: 205445
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	4/17/2023