



SITE INFORMATION

Closure Report
Laguna Grande Unit 7 ROW
Eddy County, New Mexico
Unit P Sec 28 T23S R29E
Incident #: NAPP2303054522
32.268688°, -103.983908°

Produced Water Release
Point of Release: Small hole in a fiberspar line
Volume Released: 44 Barrels of Produced Water
Volume Recovered: 25 Barrels of Produced Water

CARMONA RESOURCES

Prepared for:
Cimarex Energy Co. of Colorado
600 N. Marienfeld Street
Suite 600
Midland, TX 79701



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



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March 24, 2023

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

**Re: Closure Report
Laguna Grande Unit 7 ROW
Cimarex Energy Co. of Colorado
Site Location: Unit P, S28, T23S, R29E
(Lat 32.268688°, Long -103.983908°)
Eddy County, New Mexico**

Mr. Bratcher:

On behalf of Cimarex Energy Co. of Colorado (Cimarex), Carmona Resources, LLC has prepared this letter to document site activities for the Laguna Grande Unit 7 ROW. The site is located at 32.268688°, -103.983908° within Unit P, S28, T23S, R29E, 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 leak was discovered on January 29, 2023, caused by a hole found in a fiberspar line leaving the Laguna Grande Unit 7 facility. It resulted in the release of approximately forty-four (44) barrels of produced water. Twenty-five (25) barrels of produced water were recovered during the initial response. Immediately after the release was noticed, all standing fluids and impacted soil on the surface was scrapped and stockpiled on plastic. The impacted area is located on the pad and right-of-way. Refer to Figure 3 for the spill overview. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The nearest water well is located approximately 0.74 miles North of the site in S28, T23S, R29E and was drilled in 2000. The well has a reported depth to groundwater of 18' feet below ground surface (ft bgs). A copy of the associated Summary Report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

4.0 Remediation Activities

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before beginning remediation onsite, a sampling variance was

requested via email to the NMOCD division office on February 16, 2023. The sampling variance was approved to collect 5-point composite confirmation samples to represent no more than 500 square feet on February 17, 2023. Before collecting confirmation samples, the NMOCD division office was notified via email on February 23, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of fifty-three (53) confirmation floor samples (CS-1 through CS-53) and thirty-six (36) sidewall samples (SW-1 through SW-36) were collected every 500 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA Method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 3.

All final confirmation samples were below the regulatory requirements for TPH, BTEX, and chloride. Refer to Table 1.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 3,600 cubic yards of material were excavated and transported offsite for proper disposal.

5.0 Conclusion

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

Sincerely,

Carmona Resources, LLC



Ashton Thielke
Sr. Project Manager

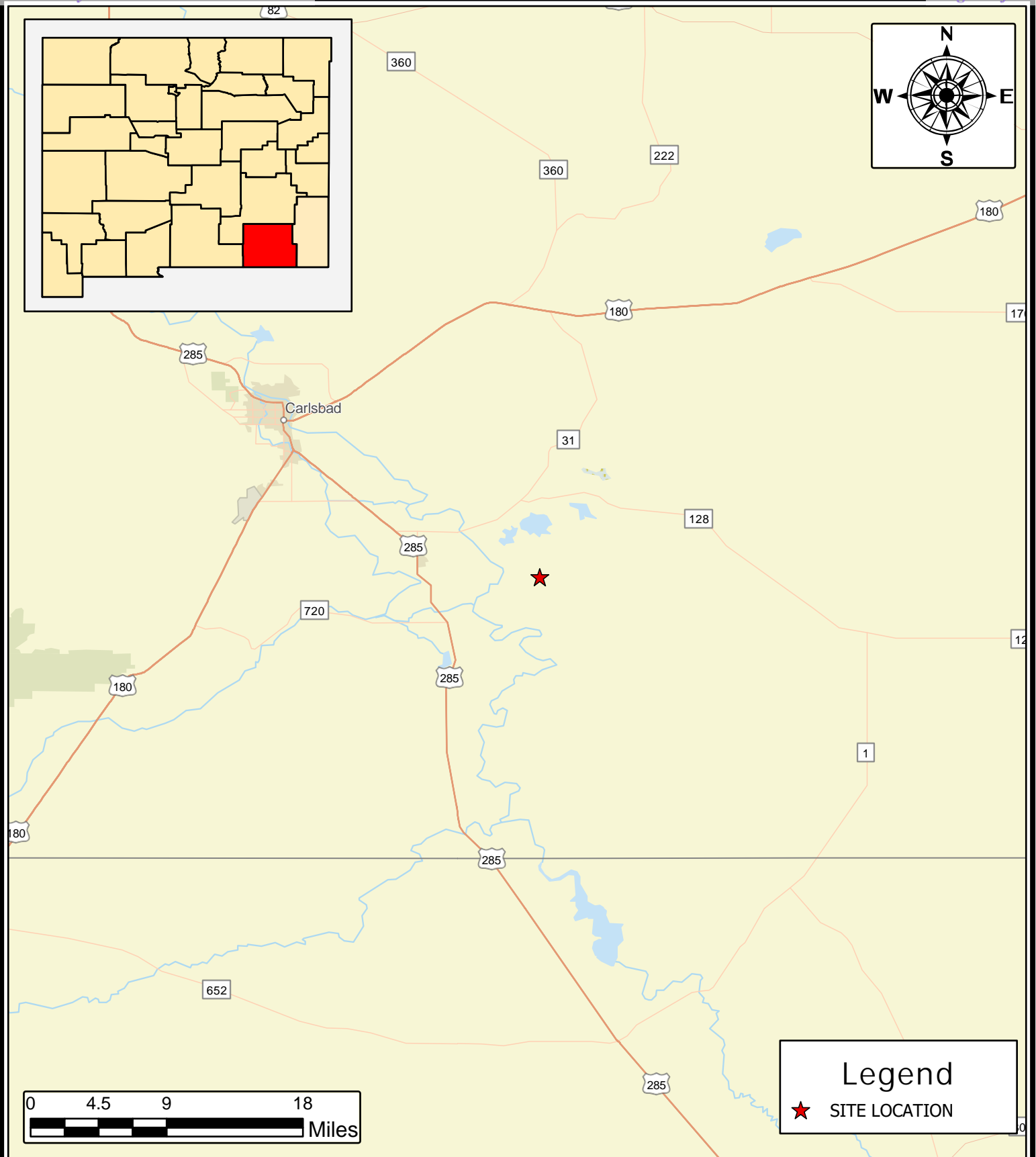


Conner Moehring
Sr. Project Manager

FIGURES


CARMONA RESOURCES





OVERVIEW MAP
CIMAREX ENERGY CO. OF COLORADO
 LAGUNA GRANDE UNIT 7 ROW
 EDDY COUNTY, NEW MEXICO
 32.268688, -103.983908

SCALE: As Shown Date: 3/18/2023

CARMONA RESOURCES 

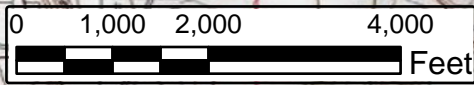
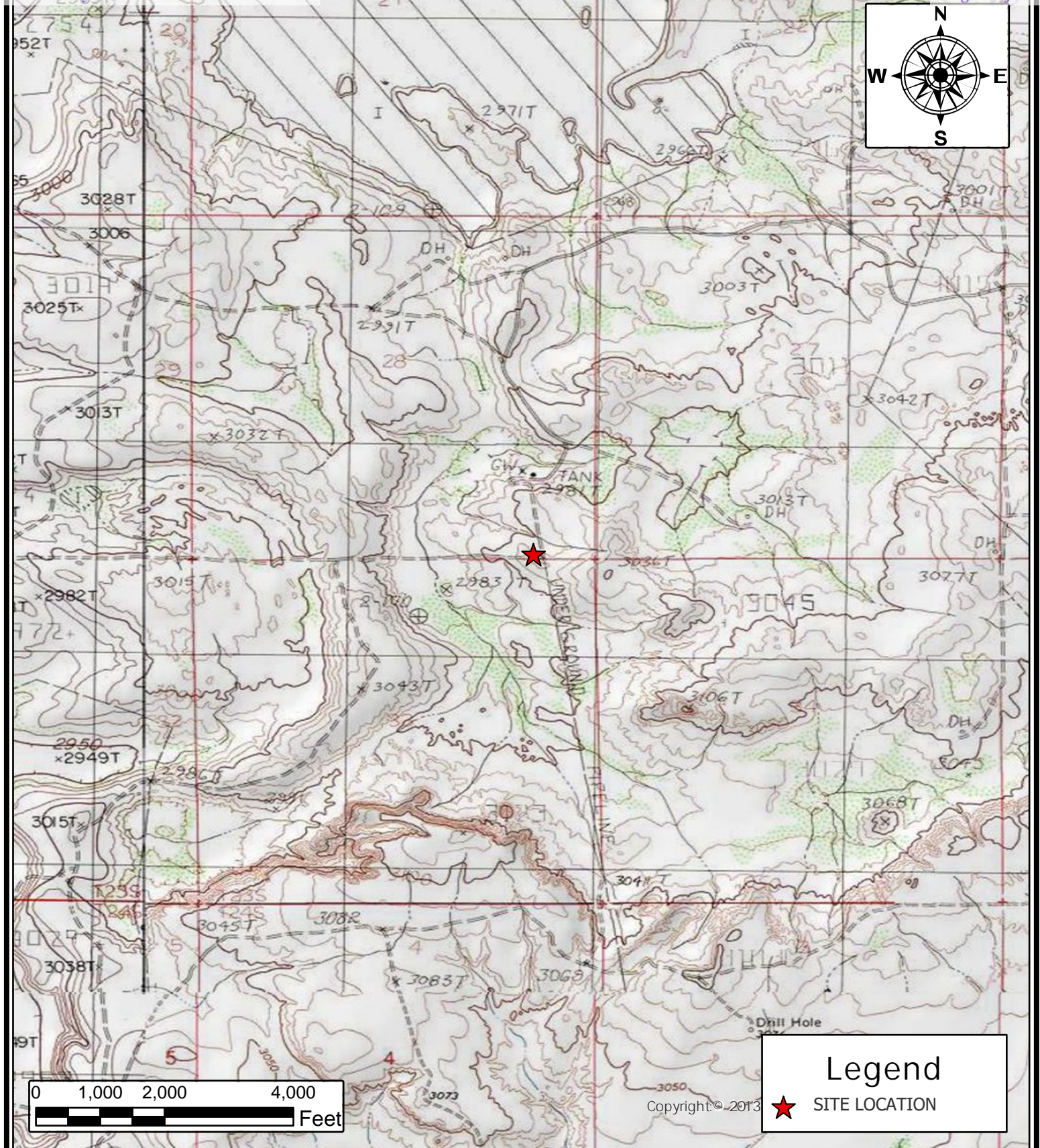
Carmona Resources
 310 West Wall Street, Suite 500
 Midland, Texas 79701

NOTES:

1. Base Image: ESRI Maps & Data 2023
2. Map Projection: WGS84

DRAWING NUMBER:
FIGURE 1

SHEET NUMBER:
 1 of 1



Legend

★ SITE LOCATION

TOPOGRAPHIC MAP
CIMAREX ENERGY CO. OF COLORADO
 LAGUNA GRANDE UNIT 7 ROW
 EDDY COUNTY, NEW MEXICO
 32.268688, -103.983908

CARMONA RESOURCES 

Carmona Resources
 310 West Wall Street, Suite 500
 Midland, Texas 79701

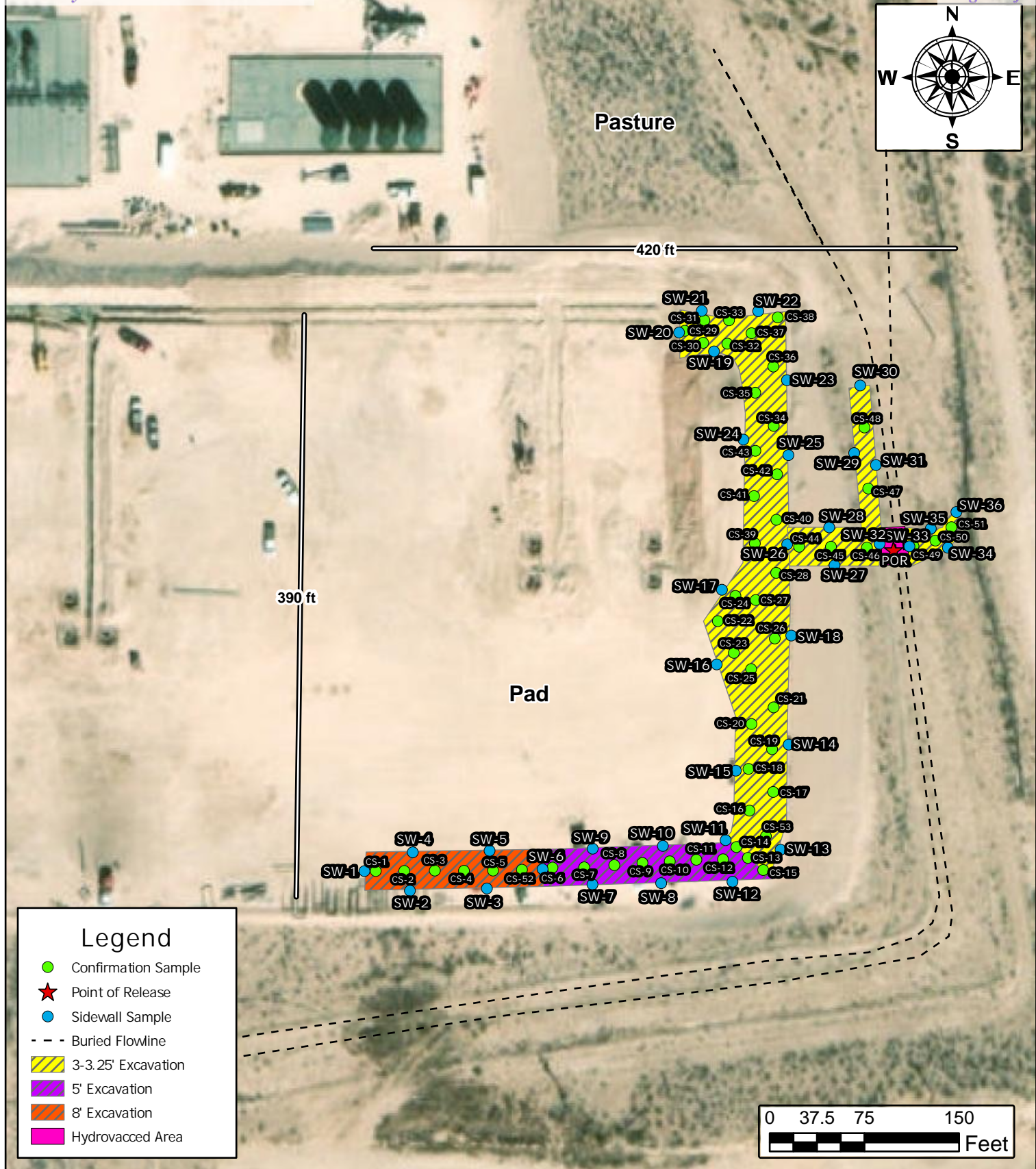
NOTES:

1. Base Image: ESRI Maps & Data 2023
2. Map Projection: WGS84

DRAWING NUMBER:
FIGURE 2

SHEET NUMBER:
 1 of 1

SCALE: As Shown Date: 3/18/2023



EXCAVATION DEPTH MAP
CIMAREX ENERGY CO. OF COLORADO
 LAGUNA GRANDE UNIT 7 ROW
 EDDY COUNTY, NEW MEXICO
 32.268688, -103.983908

SCALE: As Shown

Date: 3/22/2023



Carmona Resources
 310 West Wall Street, Suite 500
 Midland, Texas 79701

NOTES:

1. Base Image: ESRI Maps & Data 2023
2. Map Projection: WGS84

DRAWING NUMBER:

FIGURE 3

SHEET NUMBER:

1 of 1

APPENDIX A

CARMONA RESOURCES



Table 1
Cimarex
Laguna Grande Unit 7 Row
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	3/2/2023	8.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	170
CS-2	3/2/2023	8.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	162
CS-3	3/2/2023	8.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	157
CS-4	3/2/2023	8.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	152
CS-5	3/2/2023	8.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	167
CS-6	3/2/2023	5.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	163
CS-7	3/2/2023	5.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	162
CS-8	3/1/2023	3.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	952
	3/13/2023	3.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	117
CS-9	3/1/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	291
CS-10	3/1/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	612
	3/13/2023	3.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	104
CS-11	3/1/2023	3.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,490
	3/13/2023	3.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	98.1
CS-12	3/1/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,090
	3/13/2023	3.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	111
CS-13	3/1/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	695
	3/13/2023	3.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	93.9
CS-14	3/1/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	376
CS-15	3/1/2023	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	327
CS-16	3/1/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	548
CS-17	3/1/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	542
CS-18	3/1/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00201	0.00335	<0.00201	<0.00402	<0.00402	709
	3/13/2023	3.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	101
CS-19	3/1/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	0.00407	0.00258	<0.00401	0.00665	603
	3/13/2023	3.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	98.9
CS-20	3/1/2023	3.0	<50.0	<50.0	<50.0	<50.0	<0.00199	0.00241	<0.00199	<0.00398	<0.00398	643
	3/13/2023	3.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	104
CS-21	3/1/2023	3.0	<50.0	<50.0	<50.0	<50.0	<0.00199	0.00210	<0.00199	<0.00398	<0.00398	564
CS-22	3/1/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	492
CS-23	3/1/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	696
	3/13/2023	3.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	102
CS-24	3/1/2023	3.0	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,080
	3/13/2023	3.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	103
CS-25	3/1/2023	3.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	477
CS-26	3/1/2023	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	702
	3/13/2023	3.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	92
Regulatory Criteria^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

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

Table 1
Cimarex
Laguna Grande Unit 7 Row
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-26	3/1/2023	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	702
	3/13/2023	3.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	92
CS-27	3/1/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,980
	3/13/2023	3.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	102
CS-28	3/1/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,360
	3/13/2023	3.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	86.7
CS-29	3/1/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	479
CS-30	3/1/2023	3.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	640
	3/13/2023	3.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	101
CS-31	3/1/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	639
	3/13/2023	3.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	107
CS-32	3/1/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	583
CS-33	3/1/2023	3.0	<50.0	99.2	<50.0	99.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,200
	3/13/2023	3.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	108
CS-34	3/1/2023	3.0	<49.9	55.1	<49.9	55.1	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	922
	3/13/2023	3.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	94.9
CS-35	3/1/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	183
CS-36	3/1/2023	3.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	640
	3/13/2023	3.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	113
CS-37	3/1/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	331
CS-38	3/2/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	159
CS-39	3/2/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	159
CS-40	3/2/2023	3.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	168
CS-41	3/2/2023	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	189
CS-42	3/2/2023	3.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	153
CS-43	3/2/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	153
CS-44	3/2/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	141
CS-45	3/2/2023	3.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	149
CS-46	3/2/2023	3.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	177
CS-47	3/2/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	159
CS-48	3/2/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	151
CS-49	3/2/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	155
CS-50	3/2/2023	3.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	148
CS-51	3/2/2023	3.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	0.00362	0.00649	0.0101	146
CS-52	3/2/2023	8.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	155
CS-53	3/2/2023	5.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	153
Regulatory Criteria^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

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

Table 1
Cimarex
Laguna Grande Unit 7 Row
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	3/2/2023	8.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	9,010
	3/13/2023	8.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	106
SW-2	3/2/2023	8.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	7,800
	3/13/2023	8.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	103
SW-3	3/2/2023	8.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	143
SW-4	3/2/2023	8.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6,340
	3/13/2023	8.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	98.5
SW-5	3/2/2023	8.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	602
	3/13/2023	8.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	98.1
SW-6	3/2/2023	8.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	158
SW-7	3/2/2023	5.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	143
SW-8	3/2/2023	5.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	151
SW-9	3/1/2023	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	141
SW-10	3/1/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	164
	3/2/2023	5.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	149
SW-11	3/1/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	373
SW-12	3/1/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	580
SW-13	3/1/2023	3.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	379
SW-14	3/1/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	605
	3/13/2023	3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	79.0
SW-15	3/1/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	557
SW-16	3/1/2023	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	380
SW-17	3/1/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	786
	3/13/2023	3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	103
SW-18	3/1/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	397
SW-19	3/1/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	737
	3/13/2023	3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	109
SW-20	3/1/2023	3.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	638
	3/13/2023	3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	92.1
SW-21	3/1/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	665
	3/13/2023	3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	103
SW-22	3/1/2023	3.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	227
SW-23	3/2/2023	3.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	153
SW-24	3/2/2023	3.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	151
SW-25	3/2/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	143
SW-26	3/2/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	149
SW-27	3/2/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	143
SW-28	3/2/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	146
SW-29	3/2/2023	3.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	0.00440	0.00738	0.0118	145
SW-30	3/2/2023	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	164
SW-31	3/2/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	151
SW-32	3/2/2023	3.0	<50.0	218	<50.0	218	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	147
	3/13/2023	3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	108
SW-33	3/2/2023	3.0	<49.9	76.8	<49.9	76.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	160
SW-34	3/2/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	148
SW-35	3/2/2023	3.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	166
SW-36	3/2/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	152
Regulatory Criteria^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

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

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Cimarex Energy Co. of Colorado

Photograph No. 1

Facility: Laguna Grande Unit 7 ROW

County: Eddy County, New Mexico

Description:
View North, area of impact.



Photograph No. 2

Facility: Laguna Grande Unit 7 ROW

County: Eddy County, New Mexico

Description:
View Northwest, area of impact.



Photograph No. 3

Facility: Laguna Grande Unit 7 ROW

County: Eddy County, New Mexico

Description:
View South, area of impact.



PHOTOGRAPHIC LOG

Cimarex Energy Co. of Colorado

Photograph No. 4

Facility: Laguna Grande Unit 7 ROW

County: Eddy County, New Mexico

Description:

View West, area of CS-1 through CS-12.



Photograph No. 5

Facility: Laguna Grande Unit 7 ROW

County: Eddy County, New Mexico

Description:

View East, area of CS-12 through CS-15.



Photograph No. 6

Facility: Laguna Grande Unit 7 ROW

County: Eddy County, New Mexico

Description:

View Southwest, area of CS-12 through CS-18 & CS-53.



PHOTOGRAPHIC LOG

Cimarex Energy Co. of Colorado

Photograph No. 7

Facility: Laguna Grande Unit 7 ROW

County: Eddy County, New Mexico

Description:
View North, area of CS-18 through CS-28.



Photograph No. 8

Facility: Laguna Grande Unit 7 ROW

County: Eddy County, New Mexico

Description:
View Northeast, area of CS-22 through CS-29 and CS-44 through CS-46.



Photograph No. 9

Facility: Laguna Grande Unit 7 ROW

County: Eddy County, New Mexico

Description:
View Northwest, area of CS-29 through CS-43.



PHOTOGRAPHIC LOG

Cimarex Energy Co. of Colorado

Photograph No. 10

Facility: Laguna Grande Unit 7 ROW

County: Eddy County, New Mexico

Description:
View North, area of CS-47 and CS-48.

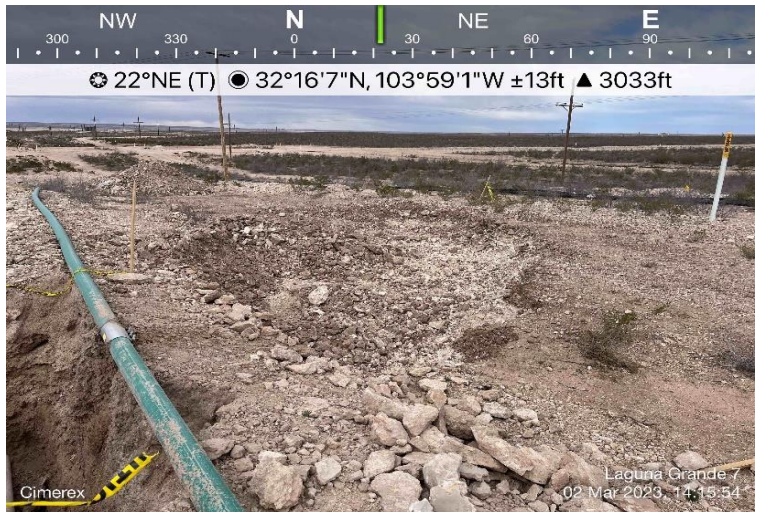


Photograph No. 11

Facility: Laguna Grande Unit 7 ROW

County: Eddy County, New Mexico

Description:
View Northeast, area of CS-49 through CS-50.



Photograph No. 12

Facility: Laguna Grande Unit 7 ROW

County: Eddy County, New Mexico

Description:
View Northwest, area of CS-29 through CS-43.



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	nAPP2303054522
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Cimarex Energy Co. of Colorado	OGRID: 162683
Contact Name: Laci Luig	Contact Telephone: (432) 571-7800
Contact email: laci.luig@coterra.com	Incident # (assigned by OCD) nAPP2303054522
Contact mailing address: 600 N Marienfeld Street, Ste. 600 Midland, TX 79701	

Location of Release Source

Latitude 32.268688 _____ Longitude -103.983908 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Laguna Grande Unit 7 ROW	Site Type: ROW / Well Pad
Date Release Discovered: 1/29/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County
P	28	23S	29E	Eddy

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 44	Volume Recovered (bbls) 25
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Equipment Failure

A hole in a fiberspar line was found leaking approximately 2.5 miles from the Laguna Grande Unit 7 facility. The leak ran off the ROW and onto the Oxy USA Inc. Cypress 33 Fed Com well pad. An estimated 44 barrels produced water was released. Vacuum trucks recovered 25 barrels from the location. Cimarex will work with Oxy to remediate the impacted area.

State of New Mexico
Oil Conservation Division

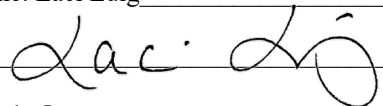
Page 2

Incident ID	nAPP2303054522
District RP	
Facility ID	
Application ID	

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

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: Laci Luig _____ Title: ESH Specialist _____ Signature:  _____ Date: 1/29/2023 _____ email: laci.luig@coterra.com _____ Telephone: (432) 208-3035 _____
<u>OCD Only</u> Received by: <u>Jocelyn Harimon</u> _____ Date: <u>03/27/2023</u> _____

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

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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: Jac. Harimon Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 03/27/2023

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: *Jac. Lij* Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 03/27/2023

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: *Ashley Maxwell* Date: 8/04/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist

Ashton Thielke

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Friday, February 17, 2023 8:28 AM
To: Ashton Thielke
Cc: Laci Luig; Nobui, Jennifer, EMNRD; Bratcher, Michael, EMNRD; Harimon, Jocelyn, EMNRD; Nobui, Jennifer, EMNRD
Subject: RE: [EXTERNAL] Sample Variance - nAPP2303054522 - Laguna Grande Unit 7 ROW (01.29.2013)

Ashton,

A variance is approved for collecting 5-point composite floor samples to represent each 500 square foot area. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Please include this e-mail correspondence in the remediation and/or closure report.

Regards,

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Ashton Thielke <Ashton.Thielke@coterra.com>
Sent: Thursday, February 16, 2023 1:04 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Laci Luig <Laci.Luig@coterra.com>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Sample Variance - nAPP2303054522 - Laguna Grande Unit 7 ROW (01.29.2013)

Good afternoon Robert,

Attached is a sampling map for both 200 & 500 sqft composite confirmation sampling. Also attached are locations with depths of water wells in the area, karst potential map, and a NFHL flood data map of the area.

Let me know what additional information is needed and if you have any questions.

Thanks!



Ashton Thielke | PBU - Environmental Consultant

M: 281.753.5659 | ashton.thielke@coterra.com | www.coterra.com

Coterra Energy Inc. | 600 N. Marienfeld Street, Suite 600 | Midland, TX 79701

Coterra Energy Inc. is the result of the merger of Cimarex Energy Co. and Cabot Oil & Gas Corporation on October 1, 2021.

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>

Sent: Thursday, February 16, 2023 9:54 AM

To: Ashton Thielke <Ashton.Thielke@coterra.com>

Cc: Laci Luig <Laci.Luig@coterra.com>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>

Subject: RE: [EXTERNAL] Sample Variance - nAPP2303054522 - Laguna Grande Unit 7 ROW (01.29.2013)

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Ashton,

We would need a proposed sampling grid map and sampling statistics showing equal or better protection of fresh water, public health and the environment. The demonstration should show that depth to groundwater and karst are not an issue. Also, that it's not within a 100-year floodplain.

Regards,

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau

EMNRD - Oil Conservation Division

506 W. Texas Ave. | Artesia, NM 88210

575.909.0302 | robert.hamlet@state.nm.us

<http://www.emnrd.state.nm.us/OCD/>



From: Ashton Thielke <Ashton.Thielke@coterra.com>

Sent: Thursday, February 16, 2023 8:28 AM

To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>

Cc: Laci Luig <Laci.Luig@coterra.com>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>

Subject: [EXTERNAL] Sample Variance - nAPP2303054522 - Laguna Grande Unit 7 ROW (01.29.2013)

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

Good morning Mr. Hamlet,

Cimarex is formally requesting a sample variance request to collect composite confirmation samples to represent no more than 500 sqft.

This spill occurred on January 29, 2023 and all free standing fluid were immediately removed from the pad/ROW.

The spill originated uphill on a ROW and flowed downhill and spread along the edges on a well pad.

Test Trenches and horizontal delineation samples were installed on February 15, 2023 after the completion of site safety walk throughs and hydrovac located buried utilities.

Attached is map showing the extent of our excavation/remediation area and proposed excavation depths.

Carmona Resources is currently overseeing this active excavation.

Depths range from 1.5' to 3.5' as shown on the Map.

Please give me a call if you have any questions.

Thanks,



Ashton Thielke | PBU - Environmental Consultant

M: 281.753.5659 | ashton.thielke@coterra.com | www.coterra.com

Coterra Energy Inc. | 600 N. Marienfeld Street, Suite 600 | Midland, TX 79701

Coterra Energy Inc. is the result of the merger of Cimarex Energy Co. and Cabot Oil & Gas Corporation on October 1, 2021.

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Ashton Thielke

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Thursday, February 23, 2023 9:24 AM
To: Ashton Thielke
Cc: Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD
Subject: RE: [EXTERNAL] nAPP2303054522 - Laguna Grande Unit 7 ROW - Confirmation Sampling Notification

WARNING: This email originated from outside of Coterra Energy. Do not click links or open attachments unless you recognize the sender, are expecting the content and know it is safe.

Ashton,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

JH

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



From: Ashton Thielke <Ashton.Thielke@coterra.com>
Sent: Thursday, February 23, 2023 5:48 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Laci Luig <Laci.Luig@coterra.com>
Subject: [EXTERNAL] nAPP2303054522 - Laguna Grande Unit 7 ROW - Confirmation Sampling Notification

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

Good morning,

This new email serves as notification for confirmation sampling on the above mentioned site. Sampling is scheduled to begin as early as February 27, 2023, weather and soil conditions permitting.
Incident ID: nAPP2303054522
Coordinates: 32.268688, -103.983908

Thank you,



Ashton Thielke | PBU - Environmental Consultant

T: 432.813.8988 | M: 281.753.5659 | ashton.thielke@coterra.com | www.coterra.com

Coterra Energy Inc. | 600 N. Marienfeld Street, Suite 600 | Midland, TX 79701

Coterra Energy Inc. is the result of the merger of Cimarex Energy Co. and Cabot Oil & Gas Corporation on October 1, 2021.

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APPENDIX D

CARMONA RESOURCES



Legend

- 0.50 Mile Radius
- 0.74 Miles
- 2.11 Miles
- 2.66 Miles
- NMSEO Water Well
- Laguna Grande Unit 7 ROW
- USGS Water Well



MEDIUM KARST

Cimarex Energy Co.

Legend

-  Laguna Grande Unit 7 ROW
-  Medium



Laguna Grande Unit 7 ROW





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 01627	C	ED		1	4	4	28	23S	29E	595649	3570959*	291	170		
C 02707	C	ED			2	28	23S	29E	595535	3571868*	1207	40	18	22	
C 02721	CUB	ED		2	3	21	23S	29E	594915	3572879*	2342	150			
C 03587 POD1	CUB	ED		1	4	3	29	23S	29E	593338	3570754	2359	99	44	55
C 02797	CUB	ED		2	3	22	23S	29E	596540	3572895*	2378	200			
C 02613	CUB	ED		4	4	2	20	23S	29E	594203	3573176*	2916	400		
C 04481 POD1	CUB	ED		1	3	4	03	24S	29E	596799	3567778	3095	135		
C 04481 POD3	CUB	ED		2	4	3	03	24S	29E	596799	3567778	3095	120		
C 04481 POD5	CUB	ED		2	4	3	03	24S	29E	596747	3567747	3106	120		
C 03057 EXPLORE	CUB	ED		4	1	1	21	23S	29E	594605	3573586*	3112	150		
C 02720	CUB	ED			2	1	21	23S	29E	594911	3573690*	3119	150		
C 04481 POD2	CUB	ED		1	3	4	03	24S	29E	596852	3567748	3142	120		
C 04481 POD4	CUB	ED		2	4	3	03	24S	29E	596747	3567685	3165	150		
C 04481 POD6	CUB	ED		2	4	3	03	24S	29E	596748	3567654	3194	120		
C 04326 POD16	CUB	ED		2	4	3	23	23S	29E	598209	3572664	3207	64	54	10
C 04481 POD7	CUB	ED		2	4	3	03	14S	29E	596800	3567655	3211	110		
C 04481 POD8	CUB	ED		1	3	4	03	24S	29E	596852	3567655	3229	125		
C 04326 POD14	CUB	ED		4	2	3	23	23S	29E	598191	3572765	3257	58	54	4
C 02716	CUB	ED		4	4	4	16	23S	29E	595818	3574002*	3333	400		
C 02182	C	ED			4	30	23S	29E	592328	3571048*	3389	75	30	45	
C 02717	CUB	ED		4	2	4	16	23S	29E	595817	3574407*	3737	400		
C 01217 S	CUB	ED		4	1	4	16	23S	29E	595413	3574403*	3742	350		
C 02715	CUB	ED		4	1	3	15	23S	29E	596221	3574411*	3776	400		
C 02808	CUB	ED		2	3	16	23S	29E	594909	3574501*	3910	100			
C 02809	CUB	ED		2	3	16	23S	29E	594909	3574501*	3910	100			

*UTM location was derived from PLSS - see Help

(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	Q	Q	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
------------	--------------	-------	--------	---	---	---	-----	-----	-----	---	---	----------	------------	-------------	--------------

Average Depth to Water: **40 feet**
 Minimum Depth: **18 feet**
 Maximum Depth: **54 feet**

Record Count: 25

UTMNAD83 Radius Search (in meters):

Easting (X): 595696

Northing (Y): 3570671

Radius: 4000

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.



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)		
Well Tag	POD Number	(quarters are smallest to largest)	Q64 Q16 Q4	Sec	Tws	Rng	X	Y
C	02707		2	28	23S	29E	595535	3571868*

Driller License: 1348	Driller Company: TAYLOR WATER WELL SERVICE	
Driller Name:		
Drill Start Date: 06/09/2000	Drill Finish Date: 06/09/2000	Plug Date:
Log File Date: 08/28/2000	PCW Rev Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield: 700 GPM
Casing Size: 2.38	Depth Well: 40 feet	Depth Water: 18 feet

Water Bearing Stratifications:	Top	Bottom	Description
	36	78	Limestone/Dolomite/Chalk

Casing Perforations:	Top	Bottom
	35	40

*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.

2/13/23 12:07 PM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(NAD83 UTM in meters)		
Well Tag	POD Number	(quarters are smallest to largest)	Q64 Q16 Q4	Sec	Tws	Rng	X	Y
C	02182		4	30	23S	29E	592328	3571048*

Driller License: 1184	Driller Company: WEST TEXAS WATER WELL SERVICE	
Driller Name:		
Drill Start Date: 09/26/1989	Drill Finish Date: 09/26/1989	Plug Date:
Log File Date: 10/05/1989	PCW Rev Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield: 350 GPM
Casing Size: 6.63	Depth Well: 75 feet	Depth Water: 30 feet

Water Bearing Stratifications:	Top	Bottom	Description
	30	65	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	25	65

*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.

2/13/23 12:04 PM

POINT OF DIVERSION SUMMARY



USGS Home
 Contact USGS
 Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

Click for News Bulletins

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
 site_no list =

- 321615104014601

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

USGS 321615104014601 23S.29E.30.331322

Eddy County, New Mexico
 Latitude 32°16'15", Longitude 104°01'46" NAD27
 Land-surface elevation 2,962 feet above NAVD88
 The depth of the well is 89 feet below land surface.
 This well is completed in the Other aquifers (N9999OTHER) national aquifer.
 This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1954-11-08			D	62610	2924.82	NGVD29	1	Z		
1954-11-08			D	62611	2926.38	NAVD88	1	Z		
1954-11-08			D	72019	35.62		1	Z		

Explanation

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

Section	Code	Description
Water-level approval status	A	Approved for publication -- Processing and review completed.

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[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)

[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

Title: Groundwater for New Mexico: Water Levels

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

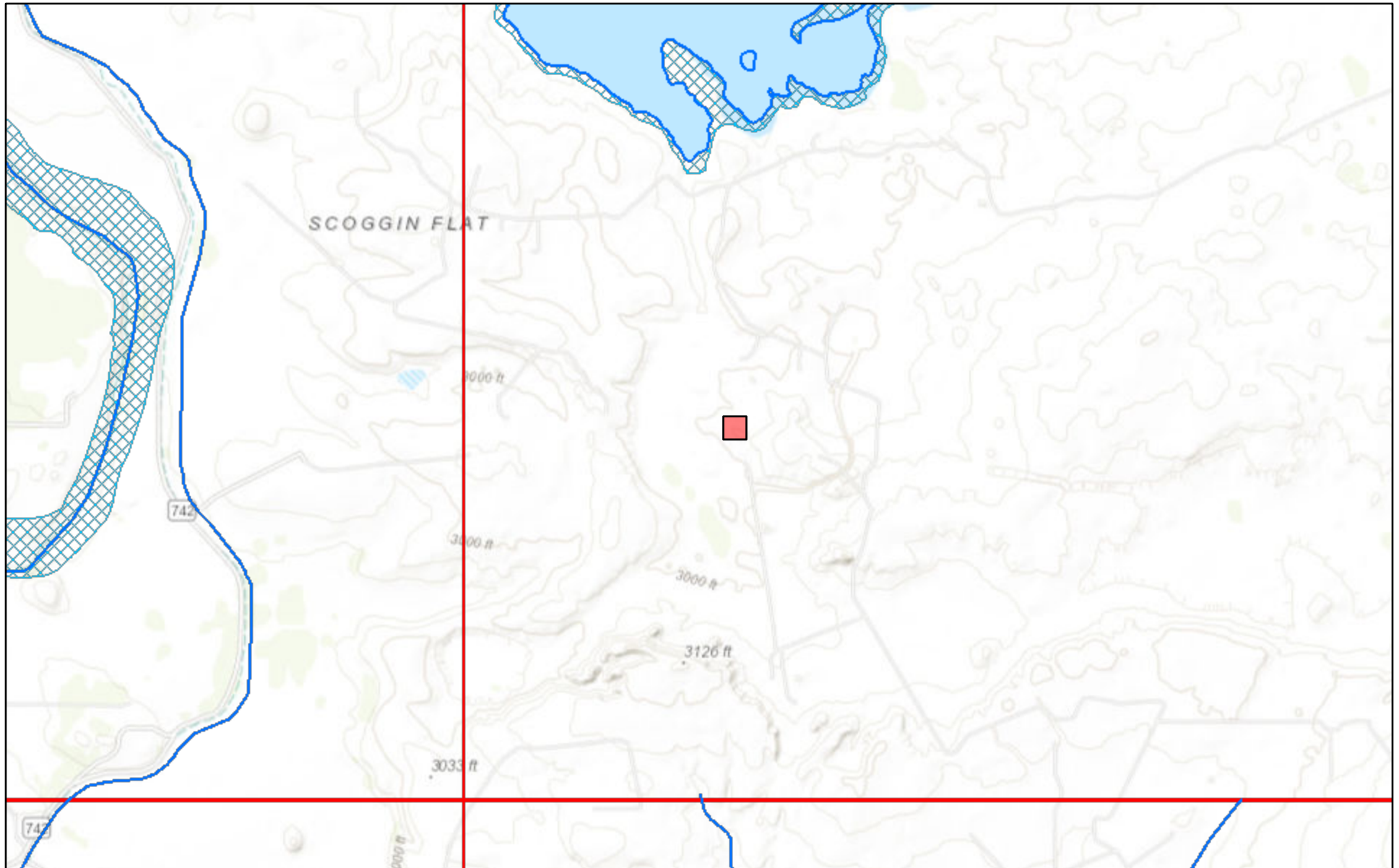


Page Contact Information: [New Mexico Water Data Maintainer](#)

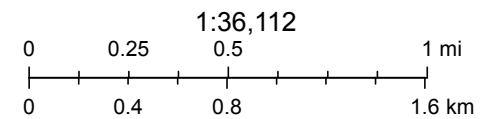
Page Last Modified: 2023-02-13 14:29:19 EST

0.28 0.25 nadww01

New Mexico NFHL Data



February 9, 2023



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

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APPENDIX E

CARMONA RESOURCES





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/7/2023 3:19:06 PM

JOB DESCRIPTION

Laguna Grande Unit 7 Row
SDG NUMBER Eddy Co, NM

JOB NUMBER

880-25413-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

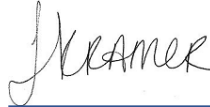


Eurofins Midland

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



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3/7/2023 3:19:06 PM

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

Client: Carmona Resources
Project/Site: Laguna Grande Unit 7 Row

Laboratory Job ID: 880-25413-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
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: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
SDG: Eddy Co, NM

Job ID: 880-25413-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-25413-1

Receipt

The samples were received on 3/3/2023 10:43 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.5°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (8') (880-25413-1), CS-2 (8') (880-25413-2), CS-3 (8') (880-25413-3), CS-4 (8') (880-25413-4), CS-5 (8') (880-25413-5), CS-6 (5') (880-25413-6), CS-7 (5') (880-25413-7), CS-38 (3') (880-25413-8), CS-39 (3') (880-25413-9), CS-40 (3') (880-25413-10), CS-41 (3') (880-25413-11), CS-42 (3') (880-25413-12), CS-43 (3') (880-25413-13), CS-44 (3') (880-25413-14), CS-45 (3') (880-25413-15), CS-46 (3') (880-25413-16), CS-47 (3') (880-25413-17), CS-48 (3') (880-25413-18), CS-49 (3') (880-25413-19), CS-50 (3') (880-25413-20), CS-51 (3') (880-25413-21), CS-52 (8') (880-25413-22), CS-53 (5') (880-25413-23), SW-3 (8') (880-25413-24), SW-6 (8') (880-25413-25), SW-7 (5') (880-25413-26), SW-8 (5') (880-25413-27), SW-10 (5') (880-25413-28), SW-23 (3') (880-25413-29), SW-24 (3') (880-25413-30), SW-25 (3') (880-25413-31), SW-26 (3') (880-25413-32), SW-27 (3') (880-25413-33), SW-28 (3') (880-25413-34), SW-29 (3') (880-25413-35), SW-30 (3') (880-25413-36), SW-31 (3') (880-25413-37), SW-32 (3') (880-25413-38), SW-33 (3') (880-25413-39), SW-34 (3') (880-25413-40), SW-35 (3') (880-25413-41) and SW-36 (3') (880-25413-42).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-47733 and analytical batch 880-47865 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-47742 and analytical batch 880-47723 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.

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 laboratory control sample (LCS) associated with preparation batch 880-47811 and analytical batch 880-47830 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-47766 and analytical batch 880-47806 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-25413-A-21-E MS) and (880-25413-A-21-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-47759 and analytical batch 880-47801 was outside the upper control limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-47810 and analytical batch 880-47832 was outside the upper control limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-47810 and analytical batch 880-47832 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-47764 and analytical batch 880-47804 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been

Case Narrative

Client: Carmona Resources
Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
SDG: Eddy Co, NM

Job ID: 880-25413-1 (Continued)

Laboratory: Eurofins Midland (Continued)

reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: CS-3 (8') (880-25413-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-47767 and analytical batch 880-47822 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-47768 and analytical batch 880-47821 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
SDG: Eddy Co, NM

Client Sample ID: CS-1 (8')

Lab Sample ID: 880-25413-1

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1 F2	0.00200		mg/Kg		03/03/23 12:49	03/04/23 04:04	1
Toluene	<0.00200	U F1 F2	0.00200		mg/Kg		03/03/23 12:49	03/04/23 04:04	1
Ethylbenzene	<0.00200	U F1 F2	0.00200		mg/Kg		03/03/23 12:49	03/04/23 04:04	1
m-Xylene & p-Xylene	<0.00401	U F1 F2	0.00401		mg/Kg		03/03/23 12:49	03/04/23 04:04	1
o-Xylene	0.00263	F1 F2	0.00200		mg/Kg		03/03/23 12:49	03/04/23 04:04	1
Xylenes, Total	<0.00401	U F1 F2	0.00401		mg/Kg		03/03/23 12:49	03/04/23 04:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	03/03/23 12:49	03/04/23 04:04	1
1,4-Difluorobenzene (Surr)	97		70 - 130	03/03/23 12:49	03/04/23 04:04	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			03/06/23 14:37	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			03/06/23 11:27	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		03/03/23 15:45	03/04/23 11:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 15:45	03/04/23 11:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 15:45	03/04/23 11:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	03/03/23 15:45	03/04/23 11:42	1
o-Terphenyl	94		70 - 130	03/03/23 15:45	03/04/23 11:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	170	F1	5.02		mg/Kg			03/04/23 22:38	1

Client Sample ID: CS-2 (8')

Lab Sample ID: 880-25413-2

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:49	03/04/23 04:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:49	03/04/23 04:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:49	03/04/23 04:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/03/23 12:49	03/04/23 04:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:49	03/04/23 04:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/03/23 12:49	03/04/23 04:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	03/03/23 12:49	03/04/23 04:25	1
1,4-Difluorobenzene (Surr)	102		70 - 130	03/03/23 12:49	03/04/23 04:25	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Client Sample ID: CS-2 (8')

Lab Sample ID: 880-25413-2

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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			03/06/23 14:37	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			03/06/23 11:27	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		03/03/23 15:45	03/04/23 12:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 15:45	03/04/23 12:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 15:45	03/04/23 12:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	03/03/23 15:45	03/04/23 12:45	1
o-Terphenyl	108		70 - 130	03/03/23 15:45	03/04/23 12:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	162		5.00		mg/Kg			03/04/23 22:53	1

Client Sample ID: CS-3 (8')

Lab Sample ID: 880-25413-3

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:49	03/04/23 04:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:49	03/04/23 04:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:49	03/04/23 04:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/03/23 12:49	03/04/23 04:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:49	03/04/23 04:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/03/23 12:49	03/04/23 04:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	03/03/23 12:49	03/04/23 04:45	1
1,4-Difluorobenzene (Surr)	104		70 - 130	03/03/23 12:49	03/04/23 04:45	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			03/06/23 14:37	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			03/06/23 11:27	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		03/03/23 15:45	03/04/23 13:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 15:45	03/04/23 13:06	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Laguna Grande Unit 7 RowJob ID: 880-25413-1
SDG: Eddy Co, NM

Client Sample ID: CS-3 (8')

Lab Sample ID: 880-25413-3

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 15:45	03/04/23 13:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	211	S1+	70 - 130				03/03/23 15:45	03/04/23 13:06	1
o-Terphenyl	205	S1+	70 - 130				03/03/23 15:45	03/04/23 13:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	157		4.99		mg/Kg			03/04/23 22:58	1

Client Sample ID: CS-4 (8')

Lab Sample ID: 880-25413-4

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:49	03/04/23 05:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/03/23 12:49	03/04/23 05:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/03/23 12:49	03/04/23 05:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/03/23 12:49	03/04/23 05:06	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/03/23 12:49	03/04/23 05:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/03/23 12:49	03/04/23 05:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				03/03/23 12:49	03/04/23 05:06	1
1,4-Difluorobenzene (Surr)	104		70 - 130				03/03/23 12:49	03/04/23 05:06	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			03/06/23 14:37	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			03/06/23 11:27	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		03/03/23 15:45	03/04/23 13:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 15:45	03/04/23 13:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 15:45	03/04/23 13:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				03/03/23 15:45	03/04/23 13:28	1
o-Terphenyl	97		70 - 130				03/03/23 15:45	03/04/23 13:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	152		4.95		mg/Kg			03/04/23 23:03	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
SDG: Eddy Co, NM

Client Sample ID: CS-5 (8')

Lab Sample ID: 880-25413-5

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:49	03/04/23 05:26	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/03/23 12:49	03/04/23 05:26	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/03/23 12:49	03/04/23 05:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/03/23 12:49	03/04/23 05:26	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/03/23 12:49	03/04/23 05:26	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/03/23 12:49	03/04/23 05:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	03/03/23 12:49	03/04/23 05:26	1
1,4-Difluorobenzene (Surr)	108		70 - 130	03/03/23 12:49	03/04/23 05:26	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			03/06/23 14:37	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			03/06/23 11:27	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		03/03/23 15:45	03/04/23 13:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 15:45	03/04/23 13:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 15:45	03/04/23 13:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	03/03/23 15:45	03/04/23 13:50	1
o-Terphenyl	110		70 - 130	03/03/23 15:45	03/04/23 13:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	167		4.97		mg/Kg			03/04/23 23:08	1

Client Sample ID: CS-6 (5')

Lab Sample ID: 880-25413-6

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:49	03/04/23 05:46	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/03/23 12:49	03/04/23 05:46	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/03/23 12:49	03/04/23 05:46	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/03/23 12:49	03/04/23 05:46	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/03/23 12:49	03/04/23 05:46	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/03/23 12:49	03/04/23 05:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	03/03/23 12:49	03/04/23 05:46	1
1,4-Difluorobenzene (Surr)	108		70 - 130	03/03/23 12:49	03/04/23 05:46	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Client Sample ID: CS-6 (5')

Lab Sample ID: 880-25413-6

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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			03/06/23 14:37	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			03/06/23 11:27	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		03/03/23 15:45	03/04/23 14:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 15:45	03/04/23 14:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 15:45	03/04/23 14:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				03/03/23 15:45	03/04/23 14:11	1
o-Terphenyl	97		70 - 130				03/03/23 15:45	03/04/23 14:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	163		5.00		mg/Kg			03/04/23 23:22	1

Client Sample ID: CS-7 (5')

Lab Sample ID: 880-25413-7

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:49	03/04/23 06:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:49	03/04/23 06:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:49	03/04/23 06:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/03/23 12:49	03/04/23 06:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:49	03/04/23 06:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/03/23 12:49	03/04/23 06:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				03/03/23 12:49	03/04/23 06:07	1
1,4-Difluorobenzene (Surr)	104		70 - 130				03/03/23 12:49	03/04/23 06:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/06/23 14:37	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			03/06/23 11:27	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		03/03/23 15:45	03/04/23 14:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 15:45	03/04/23 14:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Client Sample ID: CS-7 (5')

Lab Sample ID: 880-25413-7

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 15:45	03/04/23 14:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				03/03/23 15:45	03/04/23 14:32	1
o-Terphenyl	83		70 - 130				03/03/23 15:45	03/04/23 14:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	162		4.96		mg/Kg			03/04/23 23:27	1

Client Sample ID: CS-38 (3')

Lab Sample ID: 880-25413-8

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:49	03/04/23 06:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:49	03/04/23 06:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:49	03/04/23 06:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/03/23 12:49	03/04/23 06:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:49	03/04/23 06:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/03/23 12:49	03/04/23 06:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				03/03/23 12:49	03/04/23 06:27	1
1,4-Difluorobenzene (Surr)	103		70 - 130				03/03/23 12:49	03/04/23 06:27	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			03/06/23 14:37	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			03/06/23 11:27	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		03/03/23 15:45	03/04/23 14:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 15:45	03/04/23 14:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 15:45	03/04/23 14:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				03/03/23 15:45	03/04/23 14:53	1
o-Terphenyl	103		70 - 130				03/03/23 15:45	03/04/23 14:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	159		5.00		mg/Kg			03/04/23 23:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
SDG: Eddy Co, NM

Client Sample ID: CS-39 (3')

Lab Sample ID: 880-25413-9

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:49	03/04/23 06:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:49	03/04/23 06:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:49	03/04/23 06:48	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/03/23 12:49	03/04/23 06:48	1
o-Xylene	0.00309		0.00200		mg/Kg		03/03/23 12:49	03/04/23 06:48	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/03/23 12:49	03/04/23 06:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	03/03/23 12:49	03/04/23 06:48	1
1,4-Difluorobenzene (Surr)	108		70 - 130	03/03/23 12:49	03/04/23 06:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/06/23 14:37	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			03/06/23 11:27	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		03/03/23 15:45	03/04/23 15:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 15:45	03/04/23 15:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 15:45	03/04/23 15:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	03/03/23 15:45	03/04/23 15:13	1
o-Terphenyl	91		70 - 130	03/03/23 15:45	03/04/23 15:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	159		4.97		mg/Kg			03/04/23 23:37	1

Client Sample ID: CS-40 (3')

Lab Sample ID: 880-25413-10

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:49	03/04/23 07:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/03/23 12:49	03/04/23 07:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/03/23 12:49	03/04/23 07:08	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/03/23 12:49	03/04/23 07:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/03/23 12:49	03/04/23 07:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/03/23 12:49	03/04/23 07:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	03/03/23 12:49	03/04/23 07:08	1
1,4-Difluorobenzene (Surr)	110		70 - 130	03/03/23 12:49	03/04/23 07:08	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Client Sample ID: CS-40 (3')

Lab Sample ID: 880-25413-10

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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			03/06/23 14:37	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			03/06/23 11:27	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		03/03/23 15:45	03/04/23 15:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 15:45	03/04/23 15:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 15:45	03/04/23 15:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				03/03/23 15:45	03/04/23 15:34	1
o-Terphenyl	90		70 - 130				03/03/23 15:45	03/04/23 15:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	168		5.00		mg/Kg			03/04/23 23:41	1

Client Sample ID: CS-41 (3')

Lab Sample ID: 880-25413-11

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:49	03/04/23 08:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:49	03/04/23 08:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:49	03/04/23 08:59	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/03/23 12:49	03/04/23 08:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:49	03/04/23 08:59	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/03/23 12:49	03/04/23 08:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				03/03/23 12:49	03/04/23 08:59	1
1,4-Difluorobenzene (Surr)	101		70 - 130				03/03/23 12:49	03/04/23 08:59	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			03/06/23 14:37	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			03/06/23 11:27	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		03/03/23 15:45	03/04/23 16:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 15:45	03/04/23 16:14	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Client Sample ID: CS-41 (3')

Lab Sample ID: 880-25413-11

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 15:45	03/04/23 16:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				03/03/23 15:45	03/04/23 16:14	1
o-Terphenyl	101		70 - 130				03/03/23 15:45	03/04/23 16:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	189		5.00		mg/Kg			03/04/23 23:46	1

Client Sample ID: CS-42 (3')

Lab Sample ID: 880-25413-12

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:49	03/04/23 09:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:49	03/04/23 09:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:49	03/04/23 09:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/03/23 12:49	03/04/23 09:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:49	03/04/23 09:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/03/23 12:49	03/04/23 09:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				03/03/23 12:49	03/04/23 09:19	1
1,4-Difluorobenzene (Surr)	102		70 - 130				03/03/23 12:49	03/04/23 09:19	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			03/06/23 14:37	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			03/06/23 11:27	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		03/03/23 15:45	03/04/23 16:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 15:45	03/04/23 16:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 15:45	03/04/23 16:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				03/03/23 15:45	03/04/23 16:35	1
o-Terphenyl	95		70 - 130				03/03/23 15:45	03/04/23 16:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	153		4.99		mg/Kg			03/05/23 00:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
SDG: Eddy Co, NM

Client Sample ID: CS-43 (3')

Lab Sample ID: 880-25413-13

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:49	03/04/23 09:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:49	03/04/23 09:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:49	03/04/23 09:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/03/23 12:49	03/04/23 09:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:49	03/04/23 09:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/03/23 12:49	03/04/23 09:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	03/03/23 12:49	03/04/23 09:40	1
1,4-Difluorobenzene (Surr)	98		70 - 130	03/03/23 12:49	03/04/23 09:40	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			03/06/23 14:37	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			03/06/23 11:27	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		03/03/23 15:45	03/04/23 16:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 15:45	03/04/23 16:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 15:45	03/04/23 16:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	03/03/23 15:45	03/04/23 16:56	1
o-Terphenyl	89		70 - 130	03/03/23 15:45	03/04/23 16:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	153		4.95		mg/Kg			03/05/23 00:06	1

Client Sample ID: CS-44 (3')

Lab Sample ID: 880-25413-14

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:49	03/04/23 10:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:49	03/04/23 10:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:49	03/04/23 10:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/03/23 12:49	03/04/23 10:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:49	03/04/23 10:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/03/23 12:49	03/04/23 10:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	03/03/23 12:49	03/04/23 10:00	1
1,4-Difluorobenzene (Surr)	108		70 - 130	03/03/23 12:49	03/04/23 10:00	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Client Sample ID: CS-44 (3')

Lab Sample ID: 880-25413-14

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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			03/06/23 14:37	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			03/06/23 11:27	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		03/03/23 15:45	03/04/23 17:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 15:45	03/04/23 17:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 15:45	03/04/23 17:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				03/03/23 15:45	03/04/23 17:16	1
o-Terphenyl	93		70 - 130				03/03/23 15:45	03/04/23 17:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	141		4.98		mg/Kg			03/05/23 00:20	1

Client Sample ID: CS-45 (3')

Lab Sample ID: 880-25413-15

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:49	03/04/23 10:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:49	03/04/23 10:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:49	03/04/23 10:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/03/23 12:49	03/04/23 10:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:49	03/04/23 10:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/03/23 12:49	03/04/23 10:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				03/03/23 12:49	03/04/23 10:20	1
1,4-Difluorobenzene (Surr)	108		70 - 130				03/03/23 12:49	03/04/23 10:20	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			03/06/23 14:37	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			03/06/23 11:27	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		03/03/23 15:45	03/04/23 17:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/03/23 15:45	03/04/23 17:36	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Client Sample ID: CS-45 (3')

Lab Sample ID: 880-25413-15

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/03/23 15:45	03/04/23 17:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				03/03/23 15:45	03/04/23 17:36	1
o-Terphenyl	97		70 - 130				03/03/23 15:45	03/04/23 17:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	149		4.96		mg/Kg			03/05/23 00:25	1

Client Sample ID: CS-46 (3')

Lab Sample ID: 880-25413-16

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:49	03/04/23 10:41	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/03/23 12:49	03/04/23 10:41	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/03/23 12:49	03/04/23 10:41	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/03/23 12:49	03/04/23 10:41	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/03/23 12:49	03/04/23 10:41	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/03/23 12:49	03/04/23 10:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				03/03/23 12:49	03/04/23 10:41	1
1,4-Difluorobenzene (Surr)	101		70 - 130				03/03/23 12:49	03/04/23 10:41	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			03/06/23 14:37	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			03/06/23 11:27	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		03/03/23 15:45	03/04/23 17:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 15:45	03/04/23 17:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 15:45	03/04/23 17:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				03/03/23 15:45	03/04/23 17:56	1
o-Terphenyl	92		70 - 130				03/03/23 15:45	03/04/23 17:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	177		5.05		mg/Kg			03/05/23 00:30	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
SDG: Eddy Co, NM

Client Sample ID: CS-47 (3')

Lab Sample ID: 880-25413-17

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:49	03/04/23 11:01	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/03/23 12:49	03/04/23 11:01	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/03/23 12:49	03/04/23 11:01	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/03/23 12:49	03/04/23 11:01	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/03/23 12:49	03/04/23 11:01	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/03/23 12:49	03/04/23 11:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130	03/03/23 12:49	03/04/23 11:01	1
1,4-Difluorobenzene (Surr)	110		70 - 130	03/03/23 12:49	03/04/23 11:01	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			03/06/23 14:37	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			03/06/23 11:27	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		03/03/23 15:45	03/04/23 18:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 15:45	03/04/23 18:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 15:45	03/04/23 18:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	03/03/23 15:45	03/04/23 18:17	1
o-Terphenyl	87		70 - 130	03/03/23 15:45	03/04/23 18:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	159		4.97		mg/Kg			03/05/23 00:35	1

Client Sample ID: CS-48 (3')

Lab Sample ID: 880-25413-18

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:49	03/04/23 11:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:49	03/04/23 11:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:49	03/04/23 11:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/03/23 12:49	03/04/23 11:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:49	03/04/23 11:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/03/23 12:49	03/04/23 11:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	03/03/23 12:49	03/04/23 11:22	1
1,4-Difluorobenzene (Surr)	105		70 - 130	03/03/23 12:49	03/04/23 11:22	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Client Sample ID: CS-48 (3')

Lab Sample ID: 880-25413-18

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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			03/06/23 14:37	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			03/06/23 11:27	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		03/03/23 15:45	03/04/23 18:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 15:45	03/04/23 18:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 15:45	03/04/23 18:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	03/03/23 15:45	03/04/23 18:37	1
o-Terphenyl	86		70 - 130	03/03/23 15:45	03/04/23 18:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	151		4.99		mg/Kg			03/05/23 00:40	1

Client Sample ID: CS-49 (3')

Lab Sample ID: 880-25413-19

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:49	03/04/23 11:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:49	03/04/23 11:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:49	03/04/23 11:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/03/23 12:49	03/04/23 11:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:49	03/04/23 11:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/03/23 12:49	03/04/23 11:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	03/03/23 12:49	03/04/23 11:42	1
1,4-Difluorobenzene (Surr)	100		70 - 130	03/03/23 12:49	03/04/23 11:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/06/23 14:37	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			03/06/23 11:27	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		03/03/23 15:45	03/04/23 18:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 15:45	03/04/23 18:57	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Client Sample ID: CS-49 (3')

Lab Sample ID: 880-25413-19

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 15:45	03/04/23 18:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				03/03/23 15:45	03/04/23 18:57	1
o-Terphenyl	101		70 - 130				03/03/23 15:45	03/04/23 18:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	155		5.00		mg/Kg			03/05/23 00:45	1

Client Sample ID: CS-50 (3')

Lab Sample ID: 880-25413-20

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:49	03/04/23 12:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:49	03/04/23 12:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:49	03/04/23 12:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/03/23 12:49	03/04/23 12:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:49	03/04/23 12:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/03/23 12:49	03/04/23 12:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				03/03/23 12:49	03/04/23 12:03	1
1,4-Difluorobenzene (Surr)	98		70 - 130				03/03/23 12:49	03/04/23 12:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/06/23 14:37	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			03/06/23 11:27	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		03/03/23 15:45	03/04/23 19:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 15:45	03/04/23 19:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 15:45	03/04/23 19:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				03/03/23 15:45	03/04/23 19:17	1
o-Terphenyl	92		70 - 130				03/03/23 15:45	03/04/23 19:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	148		4.97		mg/Kg			03/05/23 00:49	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
SDG: Eddy Co, NM

Client Sample ID: CS-51 (3')

Lab Sample ID: 880-25413-21

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F1 F2	0.00201		mg/Kg		03/03/23 12:50	03/04/23 15:41	1
Toluene	<0.00201	U F1 F2	0.00201		mg/Kg		03/03/23 12:50	03/04/23 15:41	1
Ethylbenzene	0.00362	F1 F2	0.00201		mg/Kg		03/03/23 12:50	03/04/23 15:41	1
m-Xylene & p-Xylene	0.00417	F1 F2	0.00402		mg/Kg		03/03/23 12:50	03/04/23 15:41	1
o-Xylene	0.00232	F1 F2	0.00201		mg/Kg		03/03/23 12:50	03/04/23 15:41	1
Xylenes, Total	0.00649	F1 F2	0.00402		mg/Kg		03/03/23 12:50	03/04/23 15:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	03/03/23 12:50	03/04/23 15:41	1
1,4-Difluorobenzene (Surr)	112		70 - 130	03/03/23 12:50	03/04/23 15:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0101		0.00402		mg/Kg			03/06/23 14:37	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			03/06/23 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/03/23 15:48	03/04/23 11:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 15:48	03/04/23 11:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 15:48	03/04/23 11:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130	03/03/23 15:48	03/04/23 11:42	1
o-Terphenyl	117		70 - 130	03/03/23 15:48	03/04/23 11:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	146		4.99		mg/Kg			03/04/23 19:48	1

Client Sample ID: CS-52 (8')

Lab Sample ID: 880-25413-22

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:50	03/04/23 16:01	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/03/23 12:50	03/04/23 16:01	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/03/23 12:50	03/04/23 16:01	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/03/23 12:50	03/04/23 16:01	1
o-Xylene	0.00327		0.00202		mg/Kg		03/03/23 12:50	03/04/23 16:01	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/03/23 12:50	03/04/23 16:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	03/03/23 12:50	03/04/23 16:01	1
1,4-Difluorobenzene (Surr)	97		70 - 130	03/03/23 12:50	03/04/23 16:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Client Sample ID: CS-52 (8')

Lab Sample ID: 880-25413-22

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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			03/06/23 14:37	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			03/06/23 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/03/23 15:48	03/04/23 12:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 15:48	03/04/23 12:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 15:48	03/04/23 12:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	03/03/23 15:48	03/04/23 12:45	1
o-Terphenyl	116		70 - 130	03/03/23 15:48	03/04/23 12:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	155		5.04		mg/Kg			03/04/23 20:03	1

Client Sample ID: CS-53 (5')

Lab Sample ID: 880-25413-23

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:50	03/04/23 16:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:50	03/04/23 16:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:50	03/04/23 16:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/03/23 12:50	03/04/23 16:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:50	03/04/23 16:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/03/23 12:50	03/04/23 16:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	03/03/23 12:50	03/04/23 16:22	1
1,4-Difluorobenzene (Surr)	105		70 - 130	03/03/23 12:50	03/04/23 16:22	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			03/06/23 14:37	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			03/06/23 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/03/23 15:48	03/04/23 13:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 15:48	03/04/23 13:06	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Client Sample ID: CS-53 (5')

Lab Sample ID: 880-25413-23

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 15:48	03/04/23 13:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				03/03/23 15:48	03/04/23 13:06	1
o-Terphenyl	117		70 - 130				03/03/23 15:48	03/04/23 13:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	153		4.99		mg/Kg			03/04/23 20:08	1

Client Sample ID: SW-3 (8')

Lab Sample ID: 880-25413-24

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:50	03/04/23 16:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:50	03/04/23 16:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:50	03/04/23 16:42	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/03/23 12:50	03/04/23 16:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:50	03/04/23 16:42	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/03/23 12:50	03/04/23 16:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				03/03/23 12:50	03/04/23 16:42	1
1,4-Difluorobenzene (Surr)	90		70 - 130				03/03/23 12:50	03/04/23 16:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/06/23 14:37	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			03/06/23 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/03/23 15:48	03/04/23 13:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 15:48	03/04/23 13:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 15:48	03/04/23 13:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				03/03/23 15:48	03/04/23 13:28	1
o-Terphenyl	115		70 - 130				03/03/23 15:48	03/04/23 13:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	143		4.98		mg/Kg			03/04/23 20:12	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
SDG: Eddy Co, NM

Client Sample ID: SW-6 (8')

Lab Sample ID: 880-25413-25

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:50	03/04/23 17:03	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/03/23 12:50	03/04/23 17:03	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/03/23 12:50	03/04/23 17:03	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/03/23 12:50	03/04/23 17:03	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/03/23 12:50	03/04/23 17:03	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/03/23 12:50	03/04/23 17:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	03/03/23 12:50	03/04/23 17:03	1
1,4-Difluorobenzene (Surr)	90		70 - 130	03/03/23 12:50	03/04/23 17:03	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			03/06/23 14:37	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			03/06/23 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/03/23 15:48	03/04/23 13:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 15:48	03/04/23 13:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 15:48	03/04/23 13:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130	03/03/23 15:48	03/04/23 13:50	1
o-Terphenyl	118		70 - 130	03/03/23 15:48	03/04/23 13:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	158		5.05		mg/Kg			03/04/23 20:17	1

Client Sample ID: SW-7 (5')

Lab Sample ID: 880-25413-26

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:50	03/04/23 17:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:50	03/04/23 17:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:50	03/04/23 17:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/03/23 12:50	03/04/23 17:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:50	03/04/23 17:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/03/23 12:50	03/04/23 17:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	03/03/23 12:50	03/04/23 17:23	1
1,4-Difluorobenzene (Surr)	100		70 - 130	03/03/23 12:50	03/04/23 17:23	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Client Sample ID: SW-7 (5')

Lab Sample ID: 880-25413-26

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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			03/06/23 14:37	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			03/06/23 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/03/23 15:48	03/04/23 14:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 15:48	03/04/23 14:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 15:48	03/04/23 14:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	03/03/23 15:48	03/04/23 14:11	1
o-Terphenyl	113		70 - 130	03/03/23 15:48	03/04/23 14:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	143		5.02		mg/Kg			03/04/23 20:32	1

Client Sample ID: SW-8 (5')

Lab Sample ID: 880-25413-27

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:50	03/04/23 17:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:50	03/04/23 17:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:50	03/04/23 17:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/03/23 12:50	03/04/23 17:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:50	03/04/23 17:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/03/23 12:50	03/04/23 17:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	03/03/23 12:50	03/04/23 17:44	1
1,4-Difluorobenzene (Surr)	102		70 - 130	03/03/23 12:50	03/04/23 17:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/06/23 14:37	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			03/06/23 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/03/23 15:48	03/04/23 14:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 15:48	03/04/23 14:32	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Client Sample ID: SW-8 (5')

Lab Sample ID: 880-25413-27

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 15:48	03/04/23 14:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				03/03/23 15:48	03/04/23 14:32	1
o-Terphenyl	118		70 - 130				03/03/23 15:48	03/04/23 14:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	151		4.98		mg/Kg			03/04/23 20:37	1

Client Sample ID: SW-10 (5')

Lab Sample ID: 880-25413-28

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:50	03/04/23 18:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/03/23 12:50	03/04/23 18:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/03/23 12:50	03/04/23 18:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/03/23 12:50	03/04/23 18:04	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/03/23 12:50	03/04/23 18:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/03/23 12:50	03/04/23 18:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				03/03/23 12:50	03/04/23 18:04	1
1,4-Difluorobenzene (Surr)	100		70 - 130				03/03/23 12:50	03/04/23 18:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/06/23 14:37	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			03/06/23 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/03/23 15:48	03/04/23 14:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 15:48	03/04/23 14:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 15:48	03/04/23 14:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				03/03/23 15:48	03/04/23 14:53	1
o-Terphenyl	116		70 - 130				03/03/23 15:48	03/04/23 14:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	149		4.95		mg/Kg			03/04/23 20:42	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
SDG: Eddy Co, NM

Client Sample ID: SW-23 (3')

Lab Sample ID: 880-25413-29

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:50	03/04/23 18:24	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/03/23 12:50	03/04/23 18:24	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/03/23 12:50	03/04/23 18:24	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/03/23 12:50	03/04/23 18:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/03/23 12:50	03/04/23 18:24	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/03/23 12:50	03/04/23 18:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	03/03/23 12:50	03/04/23 18:24	1
1,4-Difluorobenzene (Surr)	97		70 - 130	03/03/23 12:50	03/04/23 18:24	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			03/06/23 14:37	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			03/06/23 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/03/23 15:48	03/04/23 15:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 15:48	03/04/23 15:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 15:48	03/04/23 15:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	03/03/23 15:48	03/04/23 15:13	1
o-Terphenyl	114		70 - 130	03/03/23 15:48	03/04/23 15:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	153		4.97		mg/Kg			03/04/23 20:46	1

Client Sample ID: SW-24 (3')

Lab Sample ID: 880-25413-30

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:50	03/04/23 18:45	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/03/23 12:50	03/04/23 18:45	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/03/23 12:50	03/04/23 18:45	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/03/23 12:50	03/04/23 18:45	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/03/23 12:50	03/04/23 18:45	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/03/23 12:50	03/04/23 18:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	03/03/23 12:50	03/04/23 18:45	1
1,4-Difluorobenzene (Surr)	96		70 - 130	03/03/23 12:50	03/04/23 18:45	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Laguna Grande Unit 7 RowJob ID: 880-25413-1
SDG: Eddy Co, NM

Client Sample ID: SW-24 (3')

Lab Sample ID: 880-25413-30

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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			03/06/23 14:37	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			03/06/23 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/03/23 15:48	03/04/23 15:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 15:48	03/04/23 15:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 15:48	03/04/23 15:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				03/03/23 15:48	03/04/23 15:34	1
o-Terphenyl	119		70 - 130				03/03/23 15:48	03/04/23 15:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	151		4.99		mg/Kg			03/04/23 20:51	1

Client Sample ID: SW-25 (3')

Lab Sample ID: 880-25413-31

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:50	03/04/23 20:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:50	03/04/23 20:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:50	03/04/23 20:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/03/23 12:50	03/04/23 20:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:50	03/04/23 20:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/03/23 12:50	03/04/23 20:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				03/03/23 12:50	03/04/23 20:35	1
1,4-Difluorobenzene (Surr)	101		70 - 130				03/03/23 12:50	03/04/23 20:35	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			03/06/23 14:37	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			03/06/23 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/03/23 15:48	03/04/23 16:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 15:48	03/04/23 16:14	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Client Sample ID: SW-25 (3')

Lab Sample ID: 880-25413-31

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 15:48	03/04/23 16:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				03/03/23 15:48	03/04/23 16:14	1
o-Terphenyl	114		70 - 130				03/03/23 15:48	03/04/23 16:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	143	F1	4.95		mg/Kg			03/04/23 20:56	1

Client Sample ID: SW-26 (3')

Lab Sample ID: 880-25413-32

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:50	03/04/23 20:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:50	03/04/23 20:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:50	03/04/23 20:55	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/03/23 12:50	03/04/23 20:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:50	03/04/23 20:55	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/03/23 12:50	03/04/23 20:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				03/03/23 12:50	03/04/23 20:55	1
1,4-Difluorobenzene (Surr)	119		70 - 130				03/03/23 12:50	03/04/23 20:55	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			03/06/23 14:37	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			03/06/23 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/03/23 15:48	03/04/23 16:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 15:48	03/04/23 16:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 15:48	03/04/23 16:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				03/03/23 15:48	03/04/23 16:35	1
o-Terphenyl	116		70 - 130				03/03/23 15:48	03/04/23 16:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	149		4.99		mg/Kg			03/04/23 21:11	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
SDG: Eddy Co, NM

Client Sample ID: SW-27 (3')

Lab Sample ID: 880-25413-33

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:50	03/04/23 21:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:50	03/04/23 21:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:50	03/04/23 21:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/03/23 12:50	03/04/23 21:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:50	03/04/23 21:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/03/23 12:50	03/04/23 21:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	03/03/23 12:50	03/04/23 21:16	1
1,4-Difluorobenzene (Surr)	99		70 - 130	03/03/23 12:50	03/04/23 21:16	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			03/06/23 14:37	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			03/06/23 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/03/23 15:48	03/04/23 16:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 15:48	03/04/23 16:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 15:48	03/04/23 16:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	03/03/23 15:48	03/04/23 16:56	1
o-Terphenyl	115		70 - 130	03/03/23 15:48	03/04/23 16:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	143		4.95		mg/Kg			03/04/23 21:15	1

Client Sample ID: SW-28 (3')

Lab Sample ID: 880-25413-34

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:50	03/04/23 21:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:50	03/04/23 21:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:50	03/04/23 21:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/03/23 12:50	03/04/23 21:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:50	03/04/23 21:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/03/23 12:50	03/04/23 21:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	03/03/23 12:50	03/04/23 21:36	1
1,4-Difluorobenzene (Surr)	96		70 - 130	03/03/23 12:50	03/04/23 21:36	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Client Sample ID: SW-28 (3')

Lab Sample ID: 880-25413-34

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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			03/06/23 14:37	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			03/06/23 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/03/23 15:48	03/04/23 17:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 15:48	03/04/23 17:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 15:48	03/04/23 17:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				03/03/23 15:48	03/04/23 17:16	1
o-Terphenyl	110		70 - 130				03/03/23 15:48	03/04/23 17:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	146		5.04		mg/Kg			03/04/23 21:30	1

Client Sample ID: SW-29 (3')

Lab Sample ID: 880-25413-35

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:50	03/04/23 21:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/03/23 12:50	03/04/23 21:57	1
Ethylbenzene	0.00440		0.00201		mg/Kg		03/03/23 12:50	03/04/23 21:57	1
m-Xylene & p-Xylene	0.00447		0.00402		mg/Kg		03/03/23 12:50	03/04/23 21:57	1
o-Xylene	0.00291		0.00201		mg/Kg		03/03/23 12:50	03/04/23 21:57	1
Xylenes, Total	0.00738		0.00402		mg/Kg		03/03/23 12:50	03/04/23 21:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130				03/03/23 12:50	03/04/23 21:57	1
1,4-Difluorobenzene (Surr)	129		70 - 130				03/03/23 12:50	03/04/23 21:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0118		0.00402		mg/Kg			03/06/23 14:37	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			03/06/23 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/03/23 15:48	03/04/23 17:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 15:48	03/04/23 17:36	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Client Sample ID: SW-29 (3')

Lab Sample ID: 880-25413-35

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 15:48	03/04/23 17:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				03/03/23 15:48	03/04/23 17:36	1
o-Terphenyl	114		70 - 130				03/03/23 15:48	03/04/23 17:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	145		4.98		mg/Kg			03/04/23 21:35	1

Client Sample ID: SW-30 (3')

Lab Sample ID: 880-25413-36

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:50	03/04/23 22:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:50	03/04/23 22:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:50	03/04/23 22:17	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/03/23 12:50	03/04/23 22:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:50	03/04/23 22:17	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/03/23 12:50	03/04/23 22:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				03/03/23 12:50	03/04/23 22:17	1
1,4-Difluorobenzene (Surr)	101		70 - 130				03/03/23 12:50	03/04/23 22:17	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			03/06/23 14:37	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			03/06/23 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/03/23 15:48	03/04/23 17:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 15:48	03/04/23 17:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 15:48	03/04/23 17:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				03/03/23 15:48	03/04/23 17:56	1
o-Terphenyl	115		70 - 130				03/03/23 15:48	03/04/23 17:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	164		4.99		mg/Kg			03/04/23 21:40	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
SDG: Eddy Co, NM

Client Sample ID: SW-31 (3')

Lab Sample ID: 880-25413-37

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:50	03/04/23 22:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:50	03/04/23 22:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:50	03/04/23 22:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/03/23 12:50	03/04/23 22:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:50	03/04/23 22:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/03/23 12:50	03/04/23 22:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	03/03/23 12:50	03/04/23 22:37	1
1,4-Difluorobenzene (Surr)	100		70 - 130	03/03/23 12:50	03/04/23 22:37	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			03/06/23 14:37	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			03/06/23 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/03/23 15:48	03/04/23 18:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 15:48	03/04/23 18:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 15:48	03/04/23 18:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	03/03/23 15:48	03/04/23 18:17	1
o-Terphenyl	111		70 - 130	03/03/23 15:48	03/04/23 18:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	151		5.01		mg/Kg			03/04/23 21:45	1

Client Sample ID: SW-32 (3')

Lab Sample ID: 880-25413-38

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:50	03/04/23 22:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:50	03/04/23 22:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:50	03/04/23 22:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/03/23 12:50	03/04/23 22:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/03/23 12:50	03/04/23 22:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/03/23 12:50	03/04/23 22:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	03/03/23 12:50	03/04/23 22:58	1
1,4-Difluorobenzene (Surr)	107		70 - 130	03/03/23 12:50	03/04/23 22:58	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Client Sample ID: SW-32 (3')

Lab Sample ID: 880-25413-38

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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			03/06/23 14:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	218		50.0		mg/Kg			03/06/23 13:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/04/23 09:43	03/06/23 03:58	1
Diesel Range Organics (Over C10-C28)	218		50.0		mg/Kg		03/04/23 09:43	03/06/23 03:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/04/23 09:43	03/06/23 03:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				03/04/23 09:43	03/06/23 03:58	1
o-Terphenyl	119		70 - 130				03/04/23 09:43	03/06/23 03:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	147		4.97		mg/Kg			03/04/23 21:50	1

Client Sample ID: SW-33 (3')

Lab Sample ID: 880-25413-39

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:50	03/04/23 23:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:50	03/04/23 23:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:50	03/04/23 23:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/03/23 12:50	03/04/23 23:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:50	03/04/23 23:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/03/23 12:50	03/04/23 23:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				03/03/23 12:50	03/04/23 23:18	1
1,4-Difluorobenzene (Surr)	106		70 - 130				03/03/23 12:50	03/04/23 23:18	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			03/06/23 14:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	76.8		49.9		mg/Kg			03/06/23 13:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/04/23 09:43	03/06/23 04:18	1
Diesel Range Organics (Over C10-C28)	76.8		49.9		mg/Kg		03/04/23 09:43	03/06/23 04:18	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Client Sample ID: SW-33 (3')

Lab Sample ID: 880-25413-39

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/04/23 09:43	03/06/23 04:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				03/04/23 09:43	03/06/23 04:18	1
o-Terphenyl	113		70 - 130				03/04/23 09:43	03/06/23 04:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		4.98		mg/Kg			03/04/23 21:55	1

Client Sample ID: SW-34 (3')

Lab Sample ID: 880-25413-40

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/03/23 12:50	03/04/23 23:39	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/03/23 12:50	03/04/23 23:39	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/03/23 12:50	03/04/23 23:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/03/23 12:50	03/04/23 23:39	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/03/23 12:50	03/04/23 23:39	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/03/23 12:50	03/04/23 23:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				03/03/23 12:50	03/04/23 23:39	1
1,4-Difluorobenzene (Surr)	100		70 - 130				03/03/23 12:50	03/04/23 23:39	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			03/06/23 14:37	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			03/06/23 11:31	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		03/04/23 10:55	03/05/23 18:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/04/23 10:55	03/05/23 18:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/04/23 10:55	03/05/23 18:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				03/04/23 10:55	03/05/23 18:12	1
o-Terphenyl	96		70 - 130				03/04/23 10:55	03/05/23 18:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	148		4.97		mg/Kg			03/04/23 22:00	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
SDG: Eddy Co, NM

Client Sample ID: SW-35 (3')

Lab Sample ID: 880-25413-41

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/06/23 12:32	03/07/23 08:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/06/23 12:32	03/07/23 08:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/06/23 12:32	03/07/23 08:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/06/23 12:32	03/07/23 08:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/06/23 12:32	03/07/23 08:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/06/23 12:32	03/07/23 08:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	152	S1+	70 - 130	03/06/23 12:32	03/07/23 08:26	1
1,4-Difluorobenzene (Surr)	101		70 - 130	03/06/23 12:32	03/07/23 08:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/07/23 16:00	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			03/06/23 12:22	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		03/03/23 14:07	03/04/23 17:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 14:07	03/04/23 17:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 14:07	03/04/23 17:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	03/03/23 14:07	03/04/23 17:50	1
o-Terphenyl	112		70 - 130	03/03/23 14:07	03/04/23 17:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	166		5.01		mg/Kg			03/05/23 09:16	1

Client Sample ID: SW-36 (3')

Lab Sample ID: 880-25413-42

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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		03/06/23 12:32	03/07/23 08:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/06/23 12:32	03/07/23 08:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/06/23 12:32	03/07/23 08:52	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/06/23 12:32	03/07/23 08:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/06/23 12:32	03/07/23 08:52	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/06/23 12:32	03/07/23 08:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	03/06/23 12:32	03/07/23 08:52	1
1,4-Difluorobenzene (Surr)	78		70 - 130	03/06/23 12:32	03/07/23 08:52	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Client Sample ID: SW-36 (3')

Lab Sample ID: 880-25413-42

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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			03/07/23 16:00	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			03/06/23 12:22	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		03/03/23 14:07	03/04/23 18:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 14:07	03/04/23 18:11	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 14:07	03/04/23 18:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	03/03/23 14:07	03/04/23 18:11	1
o-Terphenyl	112		70 - 130	03/03/23 14:07	03/04/23 18:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	152		4.98		mg/Kg			03/05/23 09:31	1

Surrogate Summary

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-25412-A-21-B MS	Matrix Spike	103	71
880-25412-A-21-C MSD	Matrix Spike Duplicate	140 S1+	9 S1-
880-25413-1	CS-1 (8')	104	97
880-25413-1 MS	CS-1 (8')	117	113
880-25413-1 MSD	CS-1 (8')	106	98
880-25413-2	CS-2 (8')	94	102
880-25413-3	CS-3 (8')	118	104
880-25413-4	CS-4 (8')	122	104
880-25413-5	CS-5 (8')	126	108
880-25413-6	CS-6 (5')	116	108
880-25413-7	CS-7 (5')	117	104
880-25413-8	CS-38 (3')	112	103
880-25413-9	CS-39 (3')	82	108
880-25413-10	CS-40 (3')	115	110
880-25413-11	CS-41 (3')	107	101
880-25413-12	CS-42 (3')	117	102
880-25413-13	CS-43 (3')	105	98
880-25413-14	CS-44 (3')	119	108
880-25413-15	CS-45 (3')	119	108
880-25413-16	CS-46 (3')	96	101
880-25413-17	CS-47 (3')	76	110
880-25413-18	CS-48 (3')	117	105
880-25413-19	CS-49 (3')	97	100
880-25413-20	CS-50 (3')	95	98
880-25413-21	CS-51 (3')	107	112
880-25413-21 MS	CS-51 (3')	114	105
880-25413-21 MSD	CS-51 (3')	121	111
880-25413-22	CS-52 (8')	92	97
880-25413-23	CS-53 (5')	122	105
880-25413-24	SW-3 (8')	101	90
880-25413-25	SW-6 (8')	95	90
880-25413-26	SW-7 (5')	105	100
880-25413-27	SW-8 (5')	113	102
880-25413-28	SW-10 (5')	103	100
880-25413-29	SW-23 (3')	90	97
880-25413-30	SW-24 (3')	109	96
880-25413-31	SW-25 (3')	114	101
880-25413-32	SW-26 (3')	99	119
880-25413-33	SW-27 (3')	110	99
880-25413-34	SW-28 (3')	89	96
880-25413-35	SW-29 (3')	75	129
880-25413-36	SW-30 (3')	95	101
880-25413-37	SW-31 (3')	109	100
880-25413-38	SW-32 (3')	117	107
880-25413-39	SW-33 (3')	122	106
880-25413-40	SW-34 (3')	117	100
880-25413-41	SW-35 (3')	152 S1+	101
880-25413-42	SW-36 (3')	130	78
LCS 880-47733/1-A	Lab Control Sample	134 S1+	92

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Surrogate Summary

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
LCS 880-47741/1-A	Lab Control Sample	112	115
LCS 880-47742/1-A	Lab Control Sample	109	112
LCS 880-47733/2-A	Lab Control Sample Dup	146 S1+	91
LCS 880-47741/2-A	Lab Control Sample Dup	111	112
LCS 880-47742/2-A	Lab Control Sample Dup	108	112
MB 880-47713/5-A	Method Blank	103	106
MB 880-47733/5-A	Method Blank	91	84
MB 880-47741/5-A	Method Blank	107	99
MB 880-47742/5-A	Method Blank	107	102
MB 880-47777/5-A	Method Blank	83	85

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)
880-25410-A-1-F MS	Matrix Spike	118	122
880-25410-A-1-G MSD	Matrix Spike Duplicate	114	119
880-25413-1	CS-1 (8')	98	94
880-25413-1 MS	CS-1 (8')	118	101
880-25413-1 MSD	CS-1 (8')	120	102
880-25413-2	CS-2 (8')	113	108
880-25413-3	CS-3 (8')	211 S1+	205 S1+
880-25413-4	CS-4 (8')	99	97
880-25413-5	CS-5 (8')	111	110
880-25413-6	CS-6 (5')	100	97
880-25413-7	CS-7 (5')	85	83
880-25413-8	CS-38 (3')	106	103
880-25413-9	CS-39 (3')	92	91
880-25413-10	CS-40 (3')	93	90
880-25413-11	CS-41 (3')	101	101
880-25413-12	CS-42 (3')	96	95
880-25413-13	CS-43 (3')	91	89
880-25413-14	CS-44 (3')	92	93
880-25413-15	CS-45 (3')	98	97
880-25413-16	CS-46 (3')	92	92
880-25413-17	CS-47 (3')	86	87
880-25413-18	CS-48 (3')	86	86
880-25413-19	CS-49 (3')	100	101
880-25413-20	CS-50 (3')	91	92
880-25413-21	CS-51 (3')	120	117
880-25413-21 MS	CS-51 (3')	133 S1+	117
880-25413-21 MSD	CS-51 (3')	133 S1+	118
880-25413-22	CS-52 (8')	118	116
880-25413-23	CS-53 (5')	120	117
880-25413-24	SW-3 (8')	116	115

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Surrogate Summary

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-25413-25	SW-6 (8')	120	118
880-25413-26	SW-7 (5')	118	113
880-25413-27	SW-8 (5')	119	118
880-25413-28	SW-10 (5')	117	116
880-25413-29	SW-23 (3')	114	114
880-25413-30	SW-24 (3')	119	119
880-25413-31	SW-25 (3')	114	114
880-25413-32	SW-26 (3')	116	116
880-25413-33	SW-27 (3')	115	115
880-25413-34	SW-28 (3')	112	110
880-25413-35	SW-29 (3')	114	114
880-25413-36	SW-30 (3')	117	115
880-25413-37	SW-31 (3')	114	111
880-25413-38	SW-32 (3')	120	119
880-25413-39	SW-33 (3')	117	113
880-25413-40	SW-34 (3')	100	96
880-25413-41	SW-35 (3')	107	112
880-25413-42	SW-36 (3')	105	112
890-4205-A-101-B MS	Matrix Spike	136 S1+	120
890-4205-A-101-C MSD	Matrix Spike Duplicate	151 S1+	134 S1+
890-4212-A-21-B MS	Matrix Spike	107	96
890-4212-A-21-C MSD	Matrix Spike Duplicate	109	98
LCS 880-47759/2-A	Lab Control Sample	113	125
LCS 880-47764/2-A	Lab Control Sample	113	101
LCS 880-47766/2-A	Lab Control Sample	118	108
LCS 880-47810/2-A	Lab Control Sample	106	99
LCS 880-47811/2-A	Lab Control Sample	93	85
LCSD 880-47759/3-A	Lab Control Sample Dup	98	117
LCSD 880-47764/3-A	Lab Control Sample Dup	126	114
LCSD 880-47766/3-A	Lab Control Sample Dup	126	117
LCSD 880-47810/3-A	Lab Control Sample Dup	115	108
LCSD 880-47811/3-A	Lab Control Sample Dup	92	84
MB 880-47759/1-A	Method Blank	126	137 S1+
MB 880-47764/1-A	Method Blank	117	112
MB 880-47766/1-A	Method Blank	136 S1+	134 S1+
MB 880-47810/1-A	Method Blank	151 S1+	150 S1+
MB 880-47811/1-A	Method Blank	123	121

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-47713/5-A
 Matrix: Solid
 Analysis Batch: 47723

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 47713

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		03/03/23 09:48	03/03/23 14:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/03/23 09:48	03/03/23 14:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/03/23 09:48	03/03/23 14:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/03/23 09:48	03/03/23 14:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/03/23 09:48	03/03/23 14:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/03/23 09:48	03/03/23 14:40	1
MB MB									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				03/03/23 09:48	03/03/23 14:40	1
1,4-Difluorobenzene (Surr)	106		70 - 130				03/03/23 09:48	03/03/23 14:40	1

Lab Sample ID: MB 880-47733/5-A
 Matrix: Solid
 Analysis Batch: 47865

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 47733

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		03/06/23 12:32	03/07/23 01:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/06/23 12:32	03/07/23 01:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/06/23 12:32	03/07/23 01:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/06/23 12:32	03/07/23 01:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/06/23 12:32	03/07/23 01:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/06/23 12:32	03/07/23 01:50	1
MB MB									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				03/06/23 12:32	03/07/23 01:50	1
1,4-Difluorobenzene (Surr)	84		70 - 130				03/06/23 12:32	03/07/23 01:50	1

Lab Sample ID: LCS 880-47733/1-A
 Matrix: Solid
 Analysis Batch: 47865

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 47733

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD
Benzene	0.100	0.1102		mg/Kg		110	70 - 130	
Toluene	0.100	0.1095		mg/Kg		109	70 - 130	
Ethylbenzene	0.100	0.1035		mg/Kg		103	70 - 130	
m-Xylene & p-Xylene	0.200	0.2209		mg/Kg		110	70 - 130	
o-Xylene	0.100	0.1047		mg/Kg		105	70 - 130	
LCS LCS								
Surrogate	%Recovery	Qualifier	Limits					
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130					
1,4-Difluorobenzene (Surr)	92		70 - 130					

Lab Sample ID: LCSD 880-47733/2-A
 Matrix: Solid
 Analysis Batch: 47865

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 47733

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1214		mg/Kg		121	70 - 130	10	35

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QC Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-47733/2-A
 Matrix: Solid
 Analysis Batch: 47865

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 47733

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Toluene	0.100	0.1203		mg/Kg		120	70 - 130	9	35	
Ethylbenzene	0.100	0.1136		mg/Kg		114	70 - 130	9	35	
m-Xylene & p-Xylene	0.200	0.2416		mg/Kg		121	70 - 130	9	35	
o-Xylene	0.100	0.1161		mg/Kg		116	70 - 130	10	35	
		LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130							
1,4-Difluorobenzene (Surr)	91		70 - 130							

Lab Sample ID: 880-25412-A-21-B MS
 Matrix: Solid
 Analysis Batch: 47865

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 47733

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Benzene	<0.00202	U F1 F2	0.100	0.02283	F1	mg/Kg		23	70 - 130			
Toluene	<0.00202	U F1 F2	0.100	0.02187	F1	mg/Kg		22	70 - 130			
Ethylbenzene	<0.00202	U F1	0.100	0.03041	F1	mg/Kg		30	70 - 130			
m-Xylene & p-Xylene	<0.00403	U F1 F2	0.201	0.06226	F1	mg/Kg		31	70 - 130			
o-Xylene	<0.00202	U F1 F2	0.100	0.03233	F1	mg/Kg		32	70 - 130			
		MS	MS									
Surrogate	%Recovery	Qualifier	Limits									
4-Bromofluorobenzene (Surr)	103		70 - 130									
1,4-Difluorobenzene (Surr)	71		70 - 130									

Lab Sample ID: 880-25412-A-21-C MSD
 Matrix: Solid
 Analysis Batch: 47865

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 47733

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Benzene	<0.00202	U F1 F2	0.0990	0.04120	F1 F2	mg/Kg		42	70 - 130	57	35	
Toluene	<0.00202	U F1 F2	0.0990	0.04014	F1 F2	mg/Kg		41	70 - 130	59	35	
Ethylbenzene	<0.00202	U F1	0.0990	0.04240	F1	mg/Kg		43	70 - 130	33	35	
m-Xylene & p-Xylene	<0.00403	U F1 F2	0.198	0.09019	F1 F2	mg/Kg		46	70 - 130	37	35	
o-Xylene	<0.00202	U F1 F2	0.0990	0.04873	F1 F2	mg/Kg		49	70 - 130	40	35	
		MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits									
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130									
1,4-Difluorobenzene (Surr)	9	S1-	70 - 130									

Lab Sample ID: MB 880-47741/5-A
 Matrix: Solid
 Analysis Batch: 47723

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 47741

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared		Analyzed		Dil Fac
							Time	Date	Time	Date	
Benzene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:49	03/04/23 03:36			1
Toluene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:49	03/04/23 03:36			1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:49	03/04/23 03:36			1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/03/23 12:49	03/04/23 03:36			1

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QC Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-47741/5-A
 Matrix: Solid
 Analysis Batch: 47723

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 47741

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:49	03/04/23 03:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/03/23 12:49	03/04/23 03:36	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	107		70 - 130	03/03/23 12:49	03/04/23 03:36	1
1,4-Difluorobenzene (Surr)	99		70 - 130	03/03/23 12:49	03/04/23 03:36	1

Lab Sample ID: LCS 880-47741/1-A
 Matrix: Solid
 Analysis Batch: 47723

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 47741

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	0.100	0.1103		mg/Kg		110	70 - 130
Toluene	0.100	0.1058		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.1082		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	0.200	0.2289		mg/Kg		114	70 - 130
o-Xylene	0.100	0.1120		mg/Kg		112	70 - 130

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

Lab Sample ID: LCSD 880-47741/2-A
 Matrix: Solid
 Analysis Batch: 47723

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 47741

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	Limit
		Result	Qualifier						
Benzene	0.100	0.1069		mg/Kg		107	70 - 130	3	35
Toluene	0.100	0.1026		mg/Kg		103	70 - 130	3	35
Ethylbenzene	0.100	0.1042		mg/Kg		104	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2208		mg/Kg		110	70 - 130	4	35
o-Xylene	0.100	0.1079		mg/Kg		108	70 - 130	4	35

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-25413-1 MS
 Matrix: Solid
 Analysis Batch: 47723

Client Sample ID: CS-1 (8')
 Prep Type: Total/NA
 Prep Batch: 47741

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Benzene	<0.00200	U F1 F2	0.0998	0.08472		mg/Kg		85	70 - 130
Toluene	<0.00200	U F1 F2	0.0998	0.08298		mg/Kg		83	70 - 130
Ethylbenzene	<0.00200	U F1 F2	0.0998	0.08278		mg/Kg		82	70 - 130
m-Xylene & p-Xylene	<0.00401	U F1 F2	0.200	0.1816		mg/Kg		90	70 - 130
o-Xylene	0.00263	F1 F2	0.0998	0.08996		mg/Kg		88	70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

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

Lab Sample ID: 880-25413-1 MS
 Matrix: Solid
 Analysis Batch: 47723

Client Sample ID: CS-1 (8')
 Prep Type: Total/NA
 Prep Batch: 47741

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: 880-25413-1 MSD
 Matrix: Solid
 Analysis Batch: 47723

Client Sample ID: CS-1 (8')
 Prep Type: Total/NA
 Prep Batch: 47741

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1 F2	0.0990	0.02683	F1 F2	mg/Kg		27	70 - 130	104	35
Toluene	<0.00200	U F1 F2	0.0990	0.03289	F1 F2	mg/Kg		33	70 - 130	86	35
Ethylbenzene	<0.00200	U F1 F2	0.0990	0.03210	F1 F2	mg/Kg		31	70 - 130	88	35
m-Xylene & p-Xylene	<0.00401	U F1 F2	0.198	0.07219	F1 F2	mg/Kg		35	70 - 130	86	35
o-Xylene	0.00263	F1 F2	0.0990	0.03850	F1 F2	mg/Kg		36	70 - 130	80	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: MB 880-47742/5-A
 Matrix: Solid
 Analysis Batch: 47723

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 47742

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:50	03/04/23 15:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:50	03/04/23 15:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:50	03/04/23 15:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/03/23 12:50	03/04/23 15:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/03/23 12:50	03/04/23 15:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/03/23 12:50	03/04/23 15:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	03/03/23 12:50	03/04/23 15:12	1
1,4-Difluorobenzene (Surr)	102		70 - 130	03/03/23 12:50	03/04/23 15:12	1

Lab Sample ID: LCS 880-47742/1-A
 Matrix: Solid
 Analysis Batch: 47723

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 47742

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09482		mg/Kg		95	70 - 130
Toluene	0.100	0.09099		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.09286		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1965		mg/Kg		98	70 - 130
o-Xylene	0.100	0.09907		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130

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QC Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-47742/1-A
 Matrix: Solid
 Analysis Batch: 47723

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 47742

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

Lab Sample ID: LCSD 880-47742/2-A
 Matrix: Solid
 Analysis Batch: 47723

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 47742

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Benzene	0.100	0.1017		mg/Kg		102	70 - 130	7		35
Toluene	0.100	0.09646		mg/Kg		96	70 - 130	6		35
Ethylbenzene	0.100	0.09779		mg/Kg		98	70 - 130	5		35
m-Xylene & p-Xylene	0.200	0.2063		mg/Kg		103	70 - 130	5		35
o-Xylene	0.100	0.1017		mg/Kg		102	70 - 130	3		35

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

Lab Sample ID: 880-25413-21 MS
 Matrix: Solid
 Analysis Batch: 47723

Client Sample ID: CS-51 (3')
 Prep Type: Total/NA
 Prep Batch: 47742

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	RPD
Benzene	<0.00201	U F1 F2	0.0998	0.01296	F1	mg/Kg		13	70 - 130	
Toluene	<0.00201	U F1 F2	0.0998	0.01449	F1	mg/Kg		15	70 - 130	
Ethylbenzene	0.00362	F1 F2	0.0998	0.009510	F1	mg/Kg		6	70 - 130	
m-Xylene & p-Xylene	0.00417	F1 F2	0.200	0.03700	F1	mg/Kg		16	70 - 130	
o-Xylene	0.00232	F1 F2	0.0998	0.02105	F1	mg/Kg		19	70 - 130	

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-25413-21 MSD
 Matrix: Solid
 Analysis Batch: 47723

Client Sample ID: CS-51 (3')
 Prep Type: Total/NA
 Prep Batch: 47742

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Benzene	<0.00201	U F1 F2	0.100	0.08383	F2	mg/Kg		83	70 - 130	146		35
Toluene	<0.00201	U F1 F2	0.100	0.08151	F2	mg/Kg		81	70 - 130	140		35
Ethylbenzene	0.00362	F1 F2	0.100	0.07014	F1 F2	mg/Kg		66	70 - 130	152		35
m-Xylene & p-Xylene	0.00417	F1 F2	0.200	0.1815	F2	mg/Kg		88	70 - 130	132		35
o-Xylene	0.00232	F1 F2	0.100	0.08988	F2	mg/Kg		87	70 - 130	124		35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	121		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

QC Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-47777/5-A
 Matrix: Solid
 Analysis Batch: 47865

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 47777

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/03/23 16:01	03/06/23 12:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/03/23 16:01	03/06/23 12:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/03/23 16:01	03/06/23 12:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/03/23 16:01	03/06/23 12:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/03/23 16:01	03/06/23 12:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/03/23 16:01	03/06/23 12:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	03/03/23 16:01	03/06/23 12:10	1
1,4-Difluorobenzene (Surr)	85		70 - 130	03/03/23 16:01	03/06/23 12:10	1

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

Lab Sample ID: MB 880-47759/1-A
 Matrix: Solid
 Analysis Batch: 47801

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 47759

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		03/03/23 14:07	03/04/23 09:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 14:07	03/04/23 09:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 14:07	03/04/23 09:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130	03/03/23 14:07	03/04/23 09:09	1
o-Terphenyl	137	S1+	70 - 130	03/03/23 14:07	03/04/23 09:09	1

Lab Sample ID: LCS 880-47759/2-A
 Matrix: Solid
 Analysis Batch: 47801

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 47759

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	950.9		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1128		mg/Kg		113	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	113		70 - 130
o-Terphenyl	125		70 - 130

Lab Sample ID: LCSD 880-47759/3-A
 Matrix: Solid
 Analysis Batch: 47801

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 47759

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1036		mg/Kg		104	70 - 130	9	20

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QC Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-47759/3-A
Matrix: Solid
Analysis Batch: 47801

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 47759

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (Over C10-C28)	1000	1040		mg/Kg		104	70 - 130	8	20
Surrogate		LCSD %Recovery	LCSD Qualifier						
1-Chlorooctane		98					70 - 130		
o-Terphenyl		117					70 - 130		

Lab Sample ID: 880-25410-A-1-F MS
Matrix: Solid
Analysis Batch: 47801

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 47759

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1108		mg/Kg		107	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1078		mg/Kg		108	70 - 130		
Surrogate		MS %Recovery		MS Qualifier							
1-Chlorooctane		118							70 - 130		
o-Terphenyl		122							70 - 130		

Lab Sample ID: 880-25410-A-1-G MSD
Matrix: Solid
Analysis Batch: 47801

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 47759

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1090		mg/Kg		105	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1056		mg/Kg		106	70 - 130	2	20
Surrogate		MSD %Recovery		MSD Qualifier							
1-Chlorooctane		114							70 - 130		
o-Terphenyl		119							70 - 130		

Lab Sample ID: MB 880-47764/1-A
Matrix: Solid
Analysis Batch: 47804

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 47764

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		03/03/23 15:45	03/04/23 09:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 15:45	03/04/23 09:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 15:45	03/04/23 09:08	1
Surrogate		MB %Recovery		MB Qualifier			Prepared	Analyzed	Dil Fac
1-Chlorooctane		117					03/03/23 15:45	03/04/23 09:08	1
o-Terphenyl		112					03/03/23 15:45	03/04/23 09:08	1

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QC Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-47764/2-A
Matrix: Solid
Analysis Batch: 47804

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 47764

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	686.0	*-	mg/Kg		69	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1054		mg/Kg		105	70 - 130	
		LCS	LCS					
Surrogate		%Recovery	Qualifier			Limits		
1-Chlorooctane		113				70 - 130		
o-Terphenyl		101				70 - 130		

Lab Sample ID: LCSD 880-47764/3-A
Matrix: Solid
Analysis Batch: 47804

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 47764

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD Limit	
									RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	743.2		mg/Kg		74	70 - 130	8	20	
Diesel Range Organics (Over C10-C28)	1000	1194		mg/Kg		119	70 - 130	12	20	
		LCSD	LCSD							
Surrogate		%Recovery	Qualifier			Limits				
1-Chlorooctane		126				70 - 130				
o-Terphenyl		114				70 - 130				

Lab Sample ID: 880-25413-1 MS
Matrix: Solid
Analysis Batch: 47804

Client Sample ID: CS-1 (8')
Prep Type: Total/NA
Prep Batch: 47764

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *-	998	877.5		mg/Kg		85	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	998	780.3		mg/Kg		76	70 - 130	
		MS	MS							
Surrogate		%Recovery	Qualifier			Limits				
1-Chlorooctane		118				70 - 130				
o-Terphenyl		101				70 - 130				

Lab Sample ID: 880-25413-1 MSD
Matrix: Solid
Analysis Batch: 47804

Client Sample ID: CS-1 (8')
Prep Type: Total/NA
Prep Batch: 47764

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD Limit	
											RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *-	999	877.1		mg/Kg		85	70 - 130	0	20	
Diesel Range Organics (Over C10-C28)	<49.9	U	999	792.6		mg/Kg		77	70 - 130	2	20	
		MSD	MSD									
Surrogate		%Recovery	Qualifier			Limits						
1-Chlorooctane		120				70 - 130						

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QC Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

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

Lab Sample ID: 880-25413-1 MSD
Matrix: Solid
Analysis Batch: 47804

Client Sample ID: CS-1 (8')
Prep Type: Total/NA
Prep Batch: 47764

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
<i>o</i> -Terphenyl	102		70 - 130

Lab Sample ID: MB 880-47766/1-A
Matrix: Solid
Analysis Batch: 47806

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 47766

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		03/03/23 15:48	03/04/23 09:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 15:48	03/04/23 09:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 15:48	03/04/23 09:08	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
<i>1</i> -Chlorooctane	136	S1+	70 - 130	03/03/23 15:48	03/04/23 09:08	1
<i>o</i> -Terphenyl	134	S1+	70 - 130	03/03/23 15:48	03/04/23 09:08	1

Lab Sample ID: LCS 880-47766/2-A
Matrix: Solid
Analysis Batch: 47806

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 47766

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	998	955.5		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	998	1151		mg/Kg		115	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
<i>1</i> -Chlorooctane	118		70 - 130
<i>o</i> -Terphenyl	108		70 - 130

Lab Sample ID: LCSD 880-47766/3-A
Matrix: Solid
Analysis Batch: 47806

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 47766

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	999	1040		mg/Kg		104	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	999	1237		mg/Kg		124	70 - 130	7	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
<i>1</i> -Chlorooctane	126		70 - 130
<i>o</i> -Terphenyl	117		70 - 130

QC Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-47810/2-A
Matrix: Solid
Analysis Batch: 47832

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 47810

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	106		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: LCSD 880-47810/3-A
Matrix: Solid
Analysis Batch: 47832

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 47810

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec		RPD	Limit
		Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	1009		mg/Kg		101	70 - 130	13		20
Diesel Range Organics (Over C10-C28)	1000	1082		mg/Kg		108	70 - 130	8		20

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	115		70 - 130
o-Terphenyl	108		70 - 130

Lab Sample ID: 890-4205-A-101-B MS
Matrix: Solid
Analysis Batch: 47832

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 47810

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1158		mg/Kg		114	70 - 130	
Diesel Range Organics (Over C10-C28)	84.7		998	990.1		mg/Kg		91	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	136	S1+	70 - 130
o-Terphenyl	120		70 - 130

Lab Sample ID: 890-4205-A-101-C MSD
Matrix: Solid
Analysis Batch: 47832

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 47810

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1269		mg/Kg		125	70 - 130	9
Diesel Range Organics (Over C10-C28)	84.7		999	1104		mg/Kg		102	70 - 130	11

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	151	S1+	70 - 130
o-Terphenyl	134	S1+	70 - 130

QC Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-47811/1-A
 Matrix: Solid
 Analysis Batch: 47830

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 47811

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		03/04/23 10:55	03/05/23 08:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/04/23 10:55	03/05/23 08:30	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/04/23 10:55	03/05/23 08:30	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	123		70 - 130	03/04/23 10:55	03/05/23 08:30	1
o-Terphenyl	121		70 - 130	03/04/23 10:55	03/05/23 08:30	1

Lab Sample ID: LCS 880-47811/2-A
 Matrix: Solid
 Analysis Batch: 47830

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 47811

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	867.5		mg/Kg		87	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	93		70 - 130
o-Terphenyl	85		70 - 130

Lab Sample ID: LCSD 880-47811/3-A
 Matrix: Solid
 Analysis Batch: 47830

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 47811

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	568.0	*-	mg/Kg		57	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	848.8		mg/Kg		85	70 - 130	2	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	92		70 - 130
o-Terphenyl	84		70 - 130

Lab Sample ID: 890-4212-A-21-B MS
 Matrix: Solid
 Analysis Batch: 47830

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 47811

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	<49.9	U	998	722.1		mg/Kg		70	70 - 130

QC Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

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

Lab Sample ID: 890-4212-A-21-B MS
 Matrix: Solid
 Analysis Batch: 47830

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 47811

Surrogate	%Recovery	MS MS Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: 890-4212-A-21-C MSD
 Matrix: Solid
 Analysis Batch: 47830

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 47811

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *-	999	800.0		mg/Kg		80	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	738.2		mg/Kg		71	70 - 130	2	20

Surrogate	%Recovery	MSD MSD Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	98		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-47768/1-A
 Matrix: Solid
 Analysis Batch: 47821

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			03/04/23 19:33	1

Lab Sample ID: LCS 880-47768/2-A
 Matrix: Solid
 Analysis Batch: 47821

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 880-47768/3-A
 Matrix: Solid
 Analysis Batch: 47821

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	260.7		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-25413-21 MS
 Matrix: Solid
 Analysis Batch: 47821

Client Sample ID: CS-51 (3')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	146		250	419.4		mg/Kg		110	90 - 110

QC Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-25413-21 MSD
 Matrix: Solid
 Analysis Batch: 47821

Client Sample ID: CS-51 (3')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	146		250	419.5		mg/Kg		110	90 - 110	0	20

Lab Sample ID: 880-25413-31 MS
 Matrix: Solid
 Analysis Batch: 47821

Client Sample ID: SW-25 (3')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	143	F1	248	422.2	F1	mg/Kg		113	90 - 110

Lab Sample ID: 880-25413-31 MSD
 Matrix: Solid
 Analysis Batch: 47821

Client Sample ID: SW-25 (3')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	143	F1	248	421.6	F1	mg/Kg		113	90 - 110	0	20

Lab Sample ID: MB 880-47767/1-A
 Matrix: Solid
 Analysis Batch: 47822

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			03/04/23 22:24	1

Lab Sample ID: LCS 880-47767/2-A
 Matrix: Solid
 Analysis Batch: 47822

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	228.6		mg/Kg		91	90 - 110

Lab Sample ID: LCSD 880-47767/3-A
 Matrix: Solid
 Analysis Batch: 47822

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	229.2		mg/Kg		92	90 - 110	0	20

Lab Sample ID: 880-25413-1 MS
 Matrix: Solid
 Analysis Batch: 47822

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	170	F1	251	468.5	F1	mg/Kg		119	90 - 110

Lab Sample ID: 880-25413-1 MSD
 Matrix: Solid
 Analysis Batch: 47822

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	170	F1	251	469.7	F1	mg/Kg		119	90 - 110	0	20

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QC Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-25413-11 MS
Matrix: Solid
Analysis Batch: 47822

Client Sample ID: CS-41 (3')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	189		250	449.6		mg/Kg		104	90 - 110

Lab Sample ID: 880-25413-11 MSD
Matrix: Solid
Analysis Batch: 47822

Client Sample ID: CS-41 (3')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	189		250	448.9		mg/Kg		104	90 - 110	0	20

Lab Sample ID: MB 880-47770/1-A
Matrix: Solid
Analysis Batch: 47823

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			03/05/23 09:02	1

Lab Sample ID: LCS 880-47770/2-A
Matrix: Solid
Analysis Batch: 47823

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	235.7		mg/Kg		94	90 - 110

Lab Sample ID: LCSD 880-47770/3-A
Matrix: Solid
Analysis Batch: 47823

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	235.8		mg/Kg		94	90 - 110	0	20

Lab Sample ID: 880-25413-41 MS
Matrix: Solid
Analysis Batch: 47823

Client Sample ID: SW-35 (3')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	166		251	441.0		mg/Kg		110	90 - 110

Lab Sample ID: 880-25413-41 MSD
Matrix: Solid
Analysis Batch: 47823

Client Sample ID: SW-35 (3')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	166		251	440.8		mg/Kg		110	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

GC VOA

Prep Batch: 47713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-47713/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 47723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25413-1	CS-1 (8')	Total/NA	Solid	8021B	47741
880-25413-2	CS-2 (8')	Total/NA	Solid	8021B	47741
880-25413-3	CS-3 (8')	Total/NA	Solid	8021B	47741
880-25413-4	CS-4 (8')	Total/NA	Solid	8021B	47741
880-25413-5	CS-5 (8')	Total/NA	Solid	8021B	47741
880-25413-6	CS-6 (5')	Total/NA	Solid	8021B	47741
880-25413-7	CS-7 (5')	Total/NA	Solid	8021B	47741
880-25413-8	CS-38 (3')	Total/NA	Solid	8021B	47741
880-25413-9	CS-39 (3')	Total/NA	Solid	8021B	47741
880-25413-10	CS-40 (3')	Total/NA	Solid	8021B	47741
880-25413-11	CS-41 (3')	Total/NA	Solid	8021B	47741
880-25413-12	CS-42 (3')	Total/NA	Solid	8021B	47741
880-25413-13	CS-43 (3')	Total/NA	Solid	8021B	47741
880-25413-14	CS-44 (3')	Total/NA	Solid	8021B	47741
880-25413-15	CS-45 (3')	Total/NA	Solid	8021B	47741
880-25413-16	CS-46 (3')	Total/NA	Solid	8021B	47741
880-25413-17	CS-47 (3')	Total/NA	Solid	8021B	47741
880-25413-18	CS-48 (3')	Total/NA	Solid	8021B	47741
880-25413-19	CS-49 (3')	Total/NA	Solid	8021B	47741
880-25413-20	CS-50 (3')	Total/NA	Solid	8021B	47741
880-25413-21	CS-51 (3')	Total/NA	Solid	8021B	47742
880-25413-22	CS-52 (8')	Total/NA	Solid	8021B	47742
880-25413-23	CS-53 (5')	Total/NA	Solid	8021B	47742
880-25413-24	SW-3 (8')	Total/NA	Solid	8021B	47742
880-25413-25	SW-6 (8')	Total/NA	Solid	8021B	47742
880-25413-26	SW-7 (5')	Total/NA	Solid	8021B	47742
880-25413-27	SW-8 (5')	Total/NA	Solid	8021B	47742
880-25413-28	SW-10 (5')	Total/NA	Solid	8021B	47742
880-25413-29	SW-23 (3')	Total/NA	Solid	8021B	47742
880-25413-30	SW-24 (3')	Total/NA	Solid	8021B	47742
880-25413-31	SW-25 (3')	Total/NA	Solid	8021B	47742
880-25413-32	SW-26 (3')	Total/NA	Solid	8021B	47742
880-25413-33	SW-27 (3')	Total/NA	Solid	8021B	47742
880-25413-34	SW-28 (3')	Total/NA	Solid	8021B	47742
880-25413-35	SW-29 (3')	Total/NA	Solid	8021B	47742
880-25413-36	SW-30 (3')	Total/NA	Solid	8021B	47742
880-25413-37	SW-31 (3')	Total/NA	Solid	8021B	47742
880-25413-38	SW-32 (3')	Total/NA	Solid	8021B	47742
880-25413-39	SW-33 (3')	Total/NA	Solid	8021B	47742
880-25413-40	SW-34 (3')	Total/NA	Solid	8021B	47742
MB 880-47713/5-A	Method Blank	Total/NA	Solid	8021B	47713
MB 880-47741/5-A	Method Blank	Total/NA	Solid	8021B	47741
MB 880-47742/5-A	Method Blank	Total/NA	Solid	8021B	47742
LCS 880-47741/1-A	Lab Control Sample	Total/NA	Solid	8021B	47741
LCS 880-47742/1-A	Lab Control Sample	Total/NA	Solid	8021B	47742
LCSD 880-47741/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	47741
LCSD 880-47742/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	47742

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

GC VOA (Continued)

Analysis Batch: 47723 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25413-1 MS	CS-1 (8')	Total/NA	Solid	8021B	47741
880-25413-1 MSD	CS-1 (8')	Total/NA	Solid	8021B	47741
880-25413-21 MS	CS-51 (3')	Total/NA	Solid	8021B	47742
880-25413-21 MSD	CS-51 (3')	Total/NA	Solid	8021B	47742

Prep Batch: 47733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25413-41	SW-35 (3')	Total/NA	Solid	5035	
880-25413-42	SW-36 (3')	Total/NA	Solid	5035	
MB 880-47733/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-47733/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 880-47733/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25412-A-21-B MS	Matrix Spike	Total/NA	Solid	5035	
880-25412-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 47741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25413-1	CS-1 (8')	Total/NA	Solid	5035	
880-25413-2	CS-2 (8')	Total/NA	Solid	5035	
880-25413-3	CS-3 (8')	Total/NA	Solid	5035	
880-25413-4	CS-4 (8')	Total/NA	Solid	5035	
880-25413-5	CS-5 (8')	Total/NA	Solid	5035	
880-25413-6	CS-6 (5')	Total/NA	Solid	5035	
880-25413-7	CS-7 (5')	Total/NA	Solid	5035	
880-25413-8	CS-38 (3')	Total/NA	Solid	5035	
880-25413-9	CS-39 (3')	Total/NA	Solid	5035	
880-25413-10	CS-40 (3')	Total/NA	Solid	5035	
880-25413-11	CS-41 (3')	Total/NA	Solid	5035	
880-25413-12	CS-42 (3')	Total/NA	Solid	5035	
880-25413-13	CS-43 (3')	Total/NA	Solid	5035	
880-25413-14	CS-44 (3')	Total/NA	Solid	5035	
880-25413-15	CS-45 (3')	Total/NA	Solid	5035	
880-25413-16	CS-46 (3')	Total/NA	Solid	5035	
880-25413-17	CS-47 (3')	Total/NA	Solid	5035	
880-25413-18	CS-48 (3')	Total/NA	Solid	5035	
880-25413-19	CS-49 (3')	Total/NA	Solid	5035	
880-25413-20	CS-50 (3')	Total/NA	Solid	5035	
MB 880-47741/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-47741/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 880-47741/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25413-1 MS	CS-1 (8')	Total/NA	Solid	5035	
880-25413-1 MSD	CS-1 (8')	Total/NA	Solid	5035	

Prep Batch: 47742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25413-21	CS-51 (3')	Total/NA	Solid	5035	
880-25413-22	CS-52 (8')	Total/NA	Solid	5035	
880-25413-23	CS-53 (5')	Total/NA	Solid	5035	
880-25413-24	SW-3 (8')	Total/NA	Solid	5035	
880-25413-25	SW-6 (8')	Total/NA	Solid	5035	
880-25413-26	SW-7 (5')	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
SDG: Eddy Co, NM

GC VOA (Continued)

Prep Batch: 47742 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25413-27	SW-8 (5')	Total/NA	Solid	5035	
880-25413-28	SW-10 (5')	Total/NA	Solid	5035	
880-25413-29	SW-23 (3')	Total/NA	Solid	5035	
880-25413-30	SW-24 (3')	Total/NA	Solid	5035	
880-25413-31	SW-25 (3')	Total/NA	Solid	5035	
880-25413-32	SW-26 (3')	Total/NA	Solid	5035	
880-25413-33	SW-27 (3')	Total/NA	Solid	5035	
880-25413-34	SW-28 (3')	Total/NA	Solid	5035	
880-25413-35	SW-29 (3')	Total/NA	Solid	5035	
880-25413-36	SW-30 (3')	Total/NA	Solid	5035	
880-25413-37	SW-31 (3')	Total/NA	Solid	5035	
880-25413-38	SW-32 (3')	Total/NA	Solid	5035	
880-25413-39	SW-33 (3')	Total/NA	Solid	5035	
880-25413-40	SW-34 (3')	Total/NA	Solid	5035	
MB 880-47742/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-47742/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-47742/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25413-21 MS	CS-51 (3')	Total/NA	Solid	5035	
880-25413-21 MSD	CS-51 (3')	Total/NA	Solid	5035	

Prep Batch: 47777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-47777/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 47865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25413-41	SW-35 (3')	Total/NA	Solid	8021B	47733
880-25413-42	SW-36 (3')	Total/NA	Solid	8021B	47733
MB 880-47733/5-A	Method Blank	Total/NA	Solid	8021B	47733
MB 880-47777/5-A	Method Blank	Total/NA	Solid	8021B	47777
LCS 880-47733/1-A	Lab Control Sample	Total/NA	Solid	8021B	47733
LCSD 880-47733/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	47733
880-25412-A-21-B MS	Matrix Spike	Total/NA	Solid	8021B	47733
880-25412-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	47733

Analysis Batch: 47946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25413-1	CS-1 (8')	Total/NA	Solid	Total BTEX	
880-25413-2	CS-2 (8')	Total/NA	Solid	Total BTEX	
880-25413-3	CS-3 (8')	Total/NA	Solid	Total BTEX	
880-25413-4	CS-4 (8')	Total/NA	Solid	Total BTEX	
880-25413-5	CS-5 (8')	Total/NA	Solid	Total BTEX	
880-25413-6	CS-6 (5')	Total/NA	Solid	Total BTEX	
880-25413-7	CS-7 (5')	Total/NA	Solid	Total BTEX	
880-25413-8	CS-38 (3')	Total/NA	Solid	Total BTEX	
880-25413-9	CS-39 (3')	Total/NA	Solid	Total BTEX	
880-25413-10	CS-40 (3')	Total/NA	Solid	Total BTEX	
880-25413-11	CS-41 (3')	Total/NA	Solid	Total BTEX	
880-25413-12	CS-42 (3')	Total/NA	Solid	Total BTEX	
880-25413-13	CS-43 (3')	Total/NA	Solid	Total BTEX	
880-25413-14	CS-44 (3')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

GC VOA (Continued)

Analysis Batch: 47946 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25413-15	CS-45 (3')	Total/NA	Solid	Total BTEX	
880-25413-16	CS-46 (3')	Total/NA	Solid	Total BTEX	
880-25413-17	CS-47 (3')	Total/NA	Solid	Total BTEX	
880-25413-18	CS-48 (3')	Total/NA	Solid	Total BTEX	
880-25413-19	CS-49 (3')	Total/NA	Solid	Total BTEX	
880-25413-20	CS-50 (3')	Total/NA	Solid	Total BTEX	
880-25413-21	CS-51 (3')	Total/NA	Solid	Total BTEX	
880-25413-22	CS-52 (8')	Total/NA	Solid	Total BTEX	
880-25413-23	CS-53 (5')	Total/NA	Solid	Total BTEX	
880-25413-24	SW-3 (8')	Total/NA	Solid	Total BTEX	
880-25413-25	SW-6 (8')	Total/NA	Solid	Total BTEX	
880-25413-26	SW-7 (5')	Total/NA	Solid	Total BTEX	
880-25413-27	SW-8 (5')	Total/NA	Solid	Total BTEX	
880-25413-28	SW-10 (5')	Total/NA	Solid	Total BTEX	
880-25413-29	SW-23 (3')	Total/NA	Solid	Total BTEX	
880-25413-30	SW-24 (3')	Total/NA	Solid	Total BTEX	
880-25413-31	SW-25 (3')	Total/NA	Solid	Total BTEX	
880-25413-32	SW-26 (3')	Total/NA	Solid	Total BTEX	
880-25413-33	SW-27 (3')	Total/NA	Solid	Total BTEX	
880-25413-34	SW-28 (3')	Total/NA	Solid	Total BTEX	
880-25413-35	SW-29 (3')	Total/NA	Solid	Total BTEX	
880-25413-36	SW-30 (3')	Total/NA	Solid	Total BTEX	
880-25413-37	SW-31 (3')	Total/NA	Solid	Total BTEX	
880-25413-38	SW-32 (3')	Total/NA	Solid	Total BTEX	
880-25413-39	SW-33 (3')	Total/NA	Solid	Total BTEX	
880-25413-40	SW-34 (3')	Total/NA	Solid	Total BTEX	
880-25413-41	SW-35 (3')	Total/NA	Solid	Total BTEX	
880-25413-42	SW-36 (3')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 47759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25413-41	SW-35 (3')	Total/NA	Solid	8015NM Prep	
880-25413-42	SW-36 (3')	Total/NA	Solid	8015NM Prep	
MB 880-47759/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-47759/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-47759/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25410-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-25410-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 47764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25413-1	CS-1 (8')	Total/NA	Solid	8015NM Prep	
880-25413-2	CS-2 (8')	Total/NA	Solid	8015NM Prep	
880-25413-3	CS-3 (8')	Total/NA	Solid	8015NM Prep	
880-25413-4	CS-4 (8')	Total/NA	Solid	8015NM Prep	
880-25413-5	CS-5 (8')	Total/NA	Solid	8015NM Prep	
880-25413-6	CS-6 (5')	Total/NA	Solid	8015NM Prep	
880-25413-7	CS-7 (5')	Total/NA	Solid	8015NM Prep	
880-25413-8	CS-38 (3')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

GC Semi VOA (Continued)

Prep Batch: 47764 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25413-9	CS-39 (3')	Total/NA	Solid	8015NM Prep	
880-25413-10	CS-40 (3')	Total/NA	Solid	8015NM Prep	
880-25413-11	CS-41 (3')	Total/NA	Solid	8015NM Prep	
880-25413-12	CS-42 (3')	Total/NA	Solid	8015NM Prep	
880-25413-13	CS-43 (3')	Total/NA	Solid	8015NM Prep	
880-25413-14	CS-44 (3')	Total/NA	Solid	8015NM Prep	
880-25413-15	CS-45 (3')	Total/NA	Solid	8015NM Prep	
880-25413-16	CS-46 (3')	Total/NA	Solid	8015NM Prep	
880-25413-17	CS-47 (3')	Total/NA	Solid	8015NM Prep	
880-25413-18	CS-48 (3')	Total/NA	Solid	8015NM Prep	
880-25413-19	CS-49 (3')	Total/NA	Solid	8015NM Prep	
880-25413-20	CS-50 (3')	Total/NA	Solid	8015NM Prep	
MB 880-47764/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-47764/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCS 880-47764/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25413-1 MS	CS-1 (8')	Total/NA	Solid	8015NM Prep	
880-25413-1 MSD	CS-1 (8')	Total/NA	Solid	8015NM Prep	

Prep Batch: 47766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25413-21	CS-51 (3')	Total/NA	Solid	8015NM Prep	
880-25413-22	CS-52 (8')	Total/NA	Solid	8015NM Prep	
880-25413-23	CS-53 (5')	Total/NA	Solid	8015NM Prep	
880-25413-24	SW-3 (8')	Total/NA	Solid	8015NM Prep	
880-25413-25	SW-6 (8')	Total/NA	Solid	8015NM Prep	
880-25413-26	SW-7 (5')	Total/NA	Solid	8015NM Prep	
880-25413-27	SW-8 (5')	Total/NA	Solid	8015NM Prep	
880-25413-28	SW-10 (5')	Total/NA	Solid	8015NM Prep	
880-25413-29	SW-23 (3')	Total/NA	Solid	8015NM Prep	
880-25413-30	SW-24 (3')	Total/NA	Solid	8015NM Prep	
880-25413-31	SW-25 (3')	Total/NA	Solid	8015NM Prep	
880-25413-32	SW-26 (3')	Total/NA	Solid	8015NM Prep	
880-25413-33	SW-27 (3')	Total/NA	Solid	8015NM Prep	
880-25413-34	SW-28 (3')	Total/NA	Solid	8015NM Prep	
880-25413-35	SW-29 (3')	Total/NA	Solid	8015NM Prep	
880-25413-36	SW-30 (3')	Total/NA	Solid	8015NM Prep	
880-25413-37	SW-31 (3')	Total/NA	Solid	8015NM Prep	
MB 880-47766/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-47766/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCS 880-47766/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25413-21 MS	CS-51 (3')	Total/NA	Solid	8015NM Prep	
880-25413-21 MSD	CS-51 (3')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 47801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25413-41	SW-35 (3')	Total/NA	Solid	8015B NM	47759
880-25413-42	SW-36 (3')	Total/NA	Solid	8015B NM	47759
MB 880-47759/1-A	Method Blank	Total/NA	Solid	8015B NM	47759
LCS 880-47759/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47759
LCS 880-47759/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47759
880-25410-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	47759

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 47801 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25410-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	47759

Analysis Batch: 47804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25413-1	CS-1 (8')	Total/NA	Solid	8015B NM	47764
880-25413-2	CS-2 (8')	Total/NA	Solid	8015B NM	47764
880-25413-3	CS-3 (8')	Total/NA	Solid	8015B NM	47764
880-25413-4	CS-4 (8')	Total/NA	Solid	8015B NM	47764
880-25413-5	CS-5 (8')	Total/NA	Solid	8015B NM	47764
880-25413-6	CS-6 (5')	Total/NA	Solid	8015B NM	47764
880-25413-7	CS-7 (5')	Total/NA	Solid	8015B NM	47764
880-25413-8	CS-38 (3')	Total/NA	Solid	8015B NM	47764
880-25413-9	CS-39 (3')	Total/NA	Solid	8015B NM	47764
880-25413-10	CS-40 (3')	Total/NA	Solid	8015B NM	47764
880-25413-11	CS-41 (3')	Total/NA	Solid	8015B NM	47764
880-25413-12	CS-42 (3')	Total/NA	Solid	8015B NM	47764
880-25413-13	CS-43 (3')	Total/NA	Solid	8015B NM	47764
880-25413-14	CS-44 (3')	Total/NA	Solid	8015B NM	47764
880-25413-15	CS-45 (3')	Total/NA	Solid	8015B NM	47764
880-25413-16	CS-46 (3')	Total/NA	Solid	8015B NM	47764
880-25413-17	CS-47 (3')	Total/NA	Solid	8015B NM	47764
880-25413-18	CS-48 (3')	Total/NA	Solid	8015B NM	47764
880-25413-19	CS-49 (3')	Total/NA	Solid	8015B NM	47764
880-25413-20	CS-50 (3')	Total/NA	Solid	8015B NM	47764
MB 880-47764/1-A	Method Blank	Total/NA	Solid	8015B NM	47764
LCS 880-47764/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47764
LCSD 880-47764/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47764
880-25413-1 MS	CS-1 (8')	Total/NA	Solid	8015B NM	47764
880-25413-1 MSD	CS-1 (8')	Total/NA	Solid	8015B NM	47764

Analysis Batch: 47806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25413-21	CS-51 (3')	Total/NA	Solid	8015B NM	47766
880-25413-22	CS-52 (8')	Total/NA	Solid	8015B NM	47766
880-25413-23	CS-53 (5')	Total/NA	Solid	8015B NM	47766
880-25413-24	SW-3 (8')	Total/NA	Solid	8015B NM	47766
880-25413-25	SW-6 (8')	Total/NA	Solid	8015B NM	47766
880-25413-26	SW-7 (5')	Total/NA	Solid	8015B NM	47766
880-25413-27	SW-8 (5')	Total/NA	Solid	8015B NM	47766
880-25413-28	SW-10 (5')	Total/NA	Solid	8015B NM	47766
880-25413-29	SW-23 (3')	Total/NA	Solid	8015B NM	47766
880-25413-30	SW-24 (3')	Total/NA	Solid	8015B NM	47766
880-25413-31	SW-25 (3')	Total/NA	Solid	8015B NM	47766
880-25413-32	SW-26 (3')	Total/NA	Solid	8015B NM	47766
880-25413-33	SW-27 (3')	Total/NA	Solid	8015B NM	47766
880-25413-34	SW-28 (3')	Total/NA	Solid	8015B NM	47766
880-25413-35	SW-29 (3')	Total/NA	Solid	8015B NM	47766
880-25413-36	SW-30 (3')	Total/NA	Solid	8015B NM	47766
880-25413-37	SW-31 (3')	Total/NA	Solid	8015B NM	47766
MB 880-47766/1-A	Method Blank	Total/NA	Solid	8015B NM	47766
LCS 880-47766/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47766

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 47806 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-47766/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47766
880-25413-21 MS	CS-51 (3')	Total/NA	Solid	8015B NM	47766
880-25413-21 MSD	CS-51 (3')	Total/NA	Solid	8015B NM	47766

Prep Batch: 47810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25413-38	SW-32 (3')	Total/NA	Solid	8015NM Prep	
880-25413-39	SW-33 (3')	Total/NA	Solid	8015NM Prep	
MB 880-47810/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-47810/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-47810/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4205-A-101-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4205-A-101-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 47811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25413-40	SW-34 (3')	Total/NA	Solid	8015NM Prep	
MB 880-47811/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-47811/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-47811/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4212-A-21-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4212-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 47830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25413-40	SW-34 (3')	Total/NA	Solid	8015B NM	47811
MB 880-47811/1-A	Method Blank	Total/NA	Solid	8015B NM	47811
LCS 880-47811/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47811
LCSD 880-47811/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47811
890-4212-A-21-B MS	Matrix Spike	Total/NA	Solid	8015B NM	47811
890-4212-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	47811

Analysis Batch: 47832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25413-38	SW-32 (3')	Total/NA	Solid	8015B NM	47810
880-25413-39	SW-33 (3')	Total/NA	Solid	8015B NM	47810
MB 880-47810/1-A	Method Blank	Total/NA	Solid	8015B NM	47810
LCS 880-47810/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47810
LCSD 880-47810/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47810
890-4205-A-101-B MS	Matrix Spike	Total/NA	Solid	8015B NM	47810
890-4205-A-101-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	47810

Analysis Batch: 47899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25413-1	CS-1 (8')	Total/NA	Solid	8015 NM	
880-25413-2	CS-2 (8')	Total/NA	Solid	8015 NM	
880-25413-3	CS-3 (8')	Total/NA	Solid	8015 NM	
880-25413-4	CS-4 (8')	Total/NA	Solid	8015 NM	
880-25413-5	CS-5 (8')	Total/NA	Solid	8015 NM	
880-25413-6	CS-6 (5')	Total/NA	Solid	8015 NM	
880-25413-7	CS-7 (5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 47899 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25413-8	CS-38 (3')	Total/NA	Solid	8015 NM	
880-25413-9	CS-39 (3')	Total/NA	Solid	8015 NM	
880-25413-10	CS-40 (3')	Total/NA	Solid	8015 NM	
880-25413-11	CS-41 (3')	Total/NA	Solid	8015 NM	
880-25413-12	CS-42 (3')	Total/NA	Solid	8015 NM	
880-25413-13	CS-43 (3')	Total/NA	Solid	8015 NM	
880-25413-14	CS-44 (3')	Total/NA	Solid	8015 NM	
880-25413-15	CS-45 (3')	Total/NA	Solid	8015 NM	
880-25413-16	CS-46 (3')	Total/NA	Solid	8015 NM	
880-25413-17	CS-47 (3')	Total/NA	Solid	8015 NM	
880-25413-18	CS-48 (3')	Total/NA	Solid	8015 NM	
880-25413-19	CS-49 (3')	Total/NA	Solid	8015 NM	
880-25413-20	CS-50 (3')	Total/NA	Solid	8015 NM	
880-25413-21	CS-51 (3')	Total/NA	Solid	8015 NM	
880-25413-22	CS-52 (8')	Total/NA	Solid	8015 NM	
880-25413-23	CS-53 (5')	Total/NA	Solid	8015 NM	
880-25413-24	SW-3 (8')	Total/NA	Solid	8015 NM	
880-25413-25	SW-6 (8')	Total/NA	Solid	8015 NM	
880-25413-26	SW-7 (5')	Total/NA	Solid	8015 NM	
880-25413-27	SW-8 (5')	Total/NA	Solid	8015 NM	
880-25413-28	SW-10 (5')	Total/NA	Solid	8015 NM	
880-25413-29	SW-23 (3')	Total/NA	Solid	8015 NM	
880-25413-30	SW-24 (3')	Total/NA	Solid	8015 NM	
880-25413-31	SW-25 (3')	Total/NA	Solid	8015 NM	
880-25413-32	SW-26 (3')	Total/NA	Solid	8015 NM	
880-25413-33	SW-27 (3')	Total/NA	Solid	8015 NM	
880-25413-34	SW-28 (3')	Total/NA	Solid	8015 NM	
880-25413-35	SW-29 (3')	Total/NA	Solid	8015 NM	
880-25413-36	SW-30 (3')	Total/NA	Solid	8015 NM	
880-25413-37	SW-31 (3')	Total/NA	Solid	8015 NM	
880-25413-38	SW-32 (3')	Total/NA	Solid	8015 NM	
880-25413-39	SW-33 (3')	Total/NA	Solid	8015 NM	
880-25413-40	SW-34 (3')	Total/NA	Solid	8015 NM	
880-25413-41	SW-35 (3')	Total/NA	Solid	8015 NM	
880-25413-42	SW-36 (3')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 47767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25413-1	CS-1 (8')	Soluble	Solid	DI Leach	
880-25413-2	CS-2 (8')	Soluble	Solid	DI Leach	
880-25413-3	CS-3 (8')	Soluble	Solid	DI Leach	
880-25413-4	CS-4 (8')	Soluble	Solid	DI Leach	
880-25413-5	CS-5 (8')	Soluble	Solid	DI Leach	
880-25413-6	CS-6 (5')	Soluble	Solid	DI Leach	
880-25413-7	CS-7 (5')	Soluble	Solid	DI Leach	
880-25413-8	CS-38 (3')	Soluble	Solid	DI Leach	
880-25413-9	CS-39 (3')	Soluble	Solid	DI Leach	
880-25413-10	CS-40 (3')	Soluble	Solid	DI Leach	
880-25413-11	CS-41 (3')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

HPLC/IC (Continued)

Leach Batch: 47767 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25413-12	CS-42 (3')	Soluble	Solid	DI Leach	
880-25413-13	CS-43 (3')	Soluble	Solid	DI Leach	
880-25413-14	CS-44 (3')	Soluble	Solid	DI Leach	
880-25413-15	CS-45 (3')	Soluble	Solid	DI Leach	
880-25413-16	CS-46 (3')	Soluble	Solid	DI Leach	
880-25413-17	CS-47 (3')	Soluble	Solid	DI Leach	
880-25413-18	CS-48 (3')	Soluble	Solid	DI Leach	
880-25413-19	CS-49 (3')	Soluble	Solid	DI Leach	
880-25413-20	CS-50 (3')	Soluble	Solid	DI Leach	
MB 880-47767/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-47767/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-47767/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25413-1 MS	CS-1 (8')	Soluble	Solid	DI Leach	
880-25413-1 MSD	CS-1 (8')	Soluble	Solid	DI Leach	
880-25413-11 MS	CS-41 (3')	Soluble	Solid	DI Leach	
880-25413-11 MSD	CS-41 (3')	Soluble	Solid	DI Leach	

Leach Batch: 47768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25413-21	CS-51 (3')	Soluble	Solid	DI Leach	
880-25413-22	CS-52 (8')	Soluble	Solid	DI Leach	
880-25413-23	CS-53 (5')	Soluble	Solid	DI Leach	
880-25413-24	SW-3 (8')	Soluble	Solid	DI Leach	
880-25413-25	SW-6 (8')	Soluble	Solid	DI Leach	
880-25413-26	SW-7 (5')	Soluble	Solid	DI Leach	
880-25413-27	SW-8 (5')	Soluble	Solid	DI Leach	
880-25413-28	SW-10 (5')	Soluble	Solid	DI Leach	
880-25413-29	SW-23 (3')	Soluble	Solid	DI Leach	
880-25413-30	SW-24 (3')	Soluble	Solid	DI Leach	
880-25413-31	SW-25 (3')	Soluble	Solid	DI Leach	
880-25413-32	SW-26 (3')	Soluble	Solid	DI Leach	
880-25413-33	SW-27 (3')	Soluble	Solid	DI Leach	
880-25413-34	SW-28 (3')	Soluble	Solid	DI Leach	
880-25413-35	SW-29 (3')	Soluble	Solid	DI Leach	
880-25413-36	SW-30 (3')	Soluble	Solid	DI Leach	
880-25413-37	SW-31 (3')	Soluble	Solid	DI Leach	
880-25413-38	SW-32 (3')	Soluble	Solid	DI Leach	
880-25413-39	SW-33 (3')	Soluble	Solid	DI Leach	
880-25413-40	SW-34 (3')	Soluble	Solid	DI Leach	
MB 880-47768/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-47768/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-47768/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25413-21 MS	CS-51 (3')	Soluble	Solid	DI Leach	
880-25413-21 MSD	CS-51 (3')	Soluble	Solid	DI Leach	
880-25413-31 MS	SW-25 (3')	Soluble	Solid	DI Leach	
880-25413-31 MSD	SW-25 (3')	Soluble	Solid	DI Leach	

Leach Batch: 47770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25413-41	SW-35 (3')	Soluble	Solid	DI Leach	
880-25413-42	SW-36 (3')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

HPLC/IC (Continued)

Leach Batch: 47770 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-47770/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-47770/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-47770/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25413-41 MS	SW-35 (3')	Soluble	Solid	DI Leach	
880-25413-41 MSD	SW-35 (3')	Soluble	Solid	DI Leach	

Analysis Batch: 47821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25413-21	CS-51 (3')	Soluble	Solid	300.0	47768
880-25413-22	CS-52 (8')	Soluble	Solid	300.0	47768
880-25413-23	CS-53 (5')	Soluble	Solid	300.0	47768
880-25413-24	SW-3 (8')	Soluble	Solid	300.0	47768
880-25413-25	SW-6 (8')	Soluble	Solid	300.0	47768
880-25413-26	SW-7 (5')	Soluble	Solid	300.0	47768
880-25413-27	SW-8 (5')	Soluble	Solid	300.0	47768
880-25413-28	SW-10 (5')	Soluble	Solid	300.0	47768
880-25413-29	SW-23 (3')	Soluble	Solid	300.0	47768
880-25413-30	SW-24 (3')	Soluble	Solid	300.0	47768
880-25413-31	SW-25 (3')	Soluble	Solid	300.0	47768
880-25413-32	SW-26 (3')	Soluble	Solid	300.0	47768
880-25413-33	SW-27 (3')	Soluble	Solid	300.0	47768
880-25413-34	SW-28 (3')	Soluble	Solid	300.0	47768
880-25413-35	SW-29 (3')	Soluble	Solid	300.0	47768
880-25413-36	SW-30 (3')	Soluble	Solid	300.0	47768
880-25413-37	SW-31 (3')	Soluble	Solid	300.0	47768
880-25413-38	SW-32 (3')	Soluble	Solid	300.0	47768
880-25413-39	SW-33 (3')	Soluble	Solid	300.0	47768
880-25413-40	SW-34 (3')	Soluble	Solid	300.0	47768
MB 880-47768/1-A	Method Blank	Soluble	Solid	300.0	47768
LCS 880-47768/2-A	Lab Control Sample	Soluble	Solid	300.0	47768
LCSD 880-47768/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	47768
880-25413-21 MS	CS-51 (3')	Soluble	Solid	300.0	47768
880-25413-21 MSD	CS-51 (3')	Soluble	Solid	300.0	47768
880-25413-31 MS	SW-25 (3')	Soluble	Solid	300.0	47768
880-25413-31 MSD	SW-25 (3')	Soluble	Solid	300.0	47768

Analysis Batch: 47822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25413-1	CS-1 (8')	Soluble	Solid	300.0	47767
880-25413-2	CS-2 (8')	Soluble	Solid	300.0	47767
880-25413-3	CS-3 (8')	Soluble	Solid	300.0	47767
880-25413-4	CS-4 (8')	Soluble	Solid	300.0	47767
880-25413-5	CS-5 (8')	Soluble	Solid	300.0	47767
880-25413-6	CS-6 (5')	Soluble	Solid	300.0	47767
880-25413-7	CS-7 (5')	Soluble	Solid	300.0	47767
880-25413-8	CS-38 (3')	Soluble	Solid	300.0	47767
880-25413-9	CS-39 (3')	Soluble	Solid	300.0	47767
880-25413-10	CS-40 (3')	Soluble	Solid	300.0	47767
880-25413-11	CS-41 (3')	Soluble	Solid	300.0	47767
880-25413-12	CS-42 (3')	Soluble	Solid	300.0	47767
880-25413-13	CS-43 (3')	Soluble	Solid	300.0	47767

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QC Association Summary

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

HPLC/IC (Continued)

Analysis Batch: 47822 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25413-14	CS-44 (3')	Soluble	Solid	300.0	47767
880-25413-15	CS-45 (3')	Soluble	Solid	300.0	47767
880-25413-16	CS-46 (3')	Soluble	Solid	300.0	47767
880-25413-17	CS-47 (3')	Soluble	Solid	300.0	47767
880-25413-18	CS-48 (3')	Soluble	Solid	300.0	47767
880-25413-19	CS-49 (3')	Soluble	Solid	300.0	47767
880-25413-20	CS-50 (3')	Soluble	Solid	300.0	47767
MB 880-47767/1-A	Method Blank	Soluble	Solid	300.0	47767
LCS 880-47767/2-A	Lab Control Sample	Soluble	Solid	300.0	47767
LCSD 880-47767/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	47767
880-25413-1 MS	CS-1 (8')	Soluble	Solid	300.0	47767
880-25413-1 MSD	CS-1 (8')	Soluble	Solid	300.0	47767
880-25413-11 MS	CS-41 (3')	Soluble	Solid	300.0	47767
880-25413-11 MSD	CS-41 (3')	Soluble	Solid	300.0	47767

Analysis Batch: 47823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25413-41	SW-35 (3')	Soluble	Solid	300.0	47770
880-25413-42	SW-36 (3')	Soluble	Solid	300.0	47770
MB 880-47770/1-A	Method Blank	Soluble	Solid	300.0	47770
LCS 880-47770/2-A	Lab Control Sample	Soluble	Solid	300.0	47770
LCSD 880-47770/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	47770
880-25413-41 MS	SW-35 (3')	Soluble	Solid	300.0	47770
880-25413-41 MSD	SW-35 (3')	Soluble	Solid	300.0	47770

Lab Chronicle

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Client Sample ID: CS-1 (8')

Lab Sample ID: 880-25413-1

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47741	03/03/23 12:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 04:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47764	03/03/23 15:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47804	03/04/23 11:42	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	47767	03/03/23 15:48	CH	EET MID
Soluble	Analysis	300.0		1			47822	03/04/23 22:38	CH	EET MID

Client Sample ID: CS-2 (8')

Lab Sample ID: 880-25413-2

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47741	03/03/23 12:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 04:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47764	03/03/23 15:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47804	03/04/23 12:45	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47767	03/03/23 15:48	CH	EET MID
Soluble	Analysis	300.0		1			47822	03/04/23 22:53	CH	EET MID

Client Sample ID: CS-3 (8')

Lab Sample ID: 880-25413-3

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47741	03/03/23 12:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 04:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47764	03/03/23 15:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47804	03/04/23 13:06	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47767	03/03/23 15:48	CH	EET MID
Soluble	Analysis	300.0		1			47822	03/04/23 22:58	CH	EET MID

Client Sample ID: CS-4 (8')

Lab Sample ID: 880-25413-4

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47741	03/03/23 12:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 05:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Client Sample ID: CS-4 (8')

Lab Sample ID: 880-25413-4

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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			47899	03/06/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47764	03/03/23 15:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47804	03/04/23 13:28	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	47767	03/03/23 15:48	CH	EET MID
Soluble	Analysis	300.0		1			47822	03/04/23 23:03	CH	EET MID

Client Sample ID: CS-5 (8')

Lab Sample ID: 880-25413-5

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47741	03/03/23 12:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 05:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47764	03/03/23 15:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47804	03/04/23 13:50	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47767	03/03/23 15:48	CH	EET MID
Soluble	Analysis	300.0		1			47822	03/04/23 23:08	CH	EET MID

Client Sample ID: CS-6 (5')

Lab Sample ID: 880-25413-6

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47741	03/03/23 12:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 05:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47764	03/03/23 15:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47804	03/04/23 14:11	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47767	03/03/23 15:48	CH	EET MID
Soluble	Analysis	300.0		1			47822	03/04/23 23:22	CH	EET MID

Client Sample ID: CS-7 (5')

Lab Sample ID: 880-25413-7

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47741	03/03/23 12:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 06:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47764	03/03/23 15:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47804	03/04/23 14:32	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Client Sample ID: CS-7 (5')

Lab Sample ID: 880-25413-7

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47767	03/03/23 15:48	CH	EET MID
Soluble	Analysis	300.0		1			47822	03/04/23 23:27	CH	EET MID

Client Sample ID: CS-38 (3')

Lab Sample ID: 880-25413-8

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47741	03/03/23 12:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 06:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47764	03/03/23 15:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47804	03/04/23 14:53	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47767	03/03/23 15:48	CH	EET MID
Soluble	Analysis	300.0		1			47822	03/04/23 23:32	CH	EET MID

Client Sample ID: CS-39 (3')

Lab Sample ID: 880-25413-9

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47741	03/03/23 12:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 06:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47764	03/03/23 15:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47804	03/04/23 15:13	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47767	03/03/23 15:48	CH	EET MID
Soluble	Analysis	300.0		1			47822	03/04/23 23:37	CH	EET MID

Client Sample ID: CS-40 (3')

Lab Sample ID: 880-25413-10

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47741	03/03/23 12:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 07:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47764	03/03/23 15:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47804	03/04/23 15:34	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47767	03/03/23 15:48	CH	EET MID
Soluble	Analysis	300.0		1			47822	03/04/23 23:41	CH	EET MID

Lab Chronicle

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Client Sample ID: CS-41 (3')

Lab Sample ID: 880-25413-11

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47741	03/03/23 12:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 08:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47764	03/03/23 15:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47804	03/04/23 16:14	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47767	03/03/23 15:48	CH	EET MID
Soluble	Analysis	300.0		1			47822	03/04/23 23:46	CH	EET MID

Client Sample ID: CS-42 (3')

Lab Sample ID: 880-25413-12

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47741	03/03/23 12:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 09:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47764	03/03/23 15:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47804	03/04/23 16:35	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47767	03/03/23 15:48	CH	EET MID
Soluble	Analysis	300.0		1			47822	03/05/23 00:01	CH	EET MID

Client Sample ID: CS-43 (3')

Lab Sample ID: 880-25413-13

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47741	03/03/23 12:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 09:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47764	03/03/23 15:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47804	03/04/23 16:56	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	47767	03/03/23 15:48	CH	EET MID
Soluble	Analysis	300.0		1			47822	03/05/23 00:06	CH	EET MID

Client Sample ID: CS-44 (3')

Lab Sample ID: 880-25413-14

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47741	03/03/23 12:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 10:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Client Sample ID: CS-44 (3')

Lab Sample ID: 880-25413-14

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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			47899	03/06/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47764	03/03/23 15:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47804	03/04/23 17:16	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	47767	03/03/23 15:48	CH	EET MID
Soluble	Analysis	300.0		1			47822	03/05/23 00:20	CH	EET MID

Client Sample ID: CS-45 (3')

Lab Sample ID: 880-25413-15

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47741	03/03/23 12:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 10:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.031 g	10 mL	47764	03/03/23 15:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47804	03/04/23 17:36	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	47767	03/03/23 15:48	CH	EET MID
Soluble	Analysis	300.0		1			47822	03/05/23 00:25	CH	EET MID

Client Sample ID: CS-46 (3')

Lab Sample ID: 880-25413-16

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47741	03/03/23 12:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 10:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47764	03/03/23 15:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47804	03/04/23 17:56	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	47767	03/03/23 15:48	CH	EET MID
Soluble	Analysis	300.0		1			47822	03/05/23 00:30	CH	EET MID

Client Sample ID: CS-47 (3')

Lab Sample ID: 880-25413-17

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47741	03/03/23 12:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 11:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47764	03/03/23 15:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47804	03/04/23 18:17	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Client Sample ID: CS-47 (3')

Lab Sample ID: 880-25413-17

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47767	03/03/23 15:48	CH	EET MID
Soluble	Analysis	300.0		1			47822	03/05/23 00:35	CH	EET MID

Client Sample ID: CS-48 (3')

Lab Sample ID: 880-25413-18

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47741	03/03/23 12:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 11:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47764	03/03/23 15:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47804	03/04/23 18:37	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47767	03/03/23 15:48	CH	EET MID
Soluble	Analysis	300.0		1			47822	03/05/23 00:40	CH	EET MID

Client Sample ID: CS-49 (3')

Lab Sample ID: 880-25413-19

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47741	03/03/23 12:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 11:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47764	03/03/23 15:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47804	03/04/23 18:57	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47767	03/03/23 15:48	CH	EET MID
Soluble	Analysis	300.0		1			47822	03/05/23 00:45	CH	EET MID

Client Sample ID: CS-50 (3')

Lab Sample ID: 880-25413-20

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47741	03/03/23 12:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 12:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47764	03/03/23 15:45	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47804	03/04/23 19:17	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47767	03/03/23 15:48	CH	EET MID
Soluble	Analysis	300.0		1			47822	03/05/23 00:49	CH	EET MID

Lab Chronicle

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Client Sample ID: CS-51 (3')

Lab Sample ID: 880-25413-21

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47742	03/03/23 12:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 15:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47766	03/03/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47806	03/04/23 11:42	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47768	03/03/23 15:49	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47821	03/04/23 19:48	CH	EET MID

Client Sample ID: CS-52 (8')

Lab Sample ID: 880-25413-22

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47742	03/03/23 12:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 16:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	47766	03/03/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47806	03/04/23 12:45	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	47768	03/03/23 15:49	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47821	03/04/23 20:03	CH	EET MID

Client Sample ID: CS-53 (5')

Lab Sample ID: 880-25413-23

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47742	03/03/23 12:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 16:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	47766	03/03/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47806	03/04/23 13:06	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47768	03/03/23 15:49	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47821	03/04/23 20:08	CH	EET MID

Client Sample ID: SW-3 (8')

Lab Sample ID: 880-25413-24

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47742	03/03/23 12:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 16:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Client Sample ID: SW-3 (8')

Lab Sample ID: 880-25413-24

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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			47899	03/06/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47766	03/03/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47806	03/04/23 13:28	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	47768	03/03/23 15:49	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47821	03/04/23 20:12	CH	EET MID

Client Sample ID: SW-6 (8')

Lab Sample ID: 880-25413-25

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47742	03/03/23 12:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 17:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47766	03/03/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47806	03/04/23 13:50	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	47768	03/03/23 15:49	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47821	03/04/23 20:17	CH	EET MID

Client Sample ID: SW-7 (5')

Lab Sample ID: 880-25413-26

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47742	03/03/23 12:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 17:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47766	03/03/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47806	03/04/23 14:11	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	47768	03/03/23 15:49	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47821	03/04/23 20:32	CH	EET MID

Client Sample ID: SW-8 (5')

Lab Sample ID: 880-25413-27

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47742	03/03/23 12:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 17:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47766	03/03/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47806	03/04/23 14:32	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Client Sample ID: SW-8 (5')

Lab Sample ID: 880-25413-27

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47768	03/03/23 15:49	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47821	03/04/23 20:37	CH	EET MID

Client Sample ID: SW-10 (5')

Lab Sample ID: 880-25413-28

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47742	03/03/23 12:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 18:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47766	03/03/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47806	03/04/23 14:53	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	47768	03/03/23 15:49	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47821	03/04/23 20:42	CH	EET MID

Client Sample ID: SW-23 (3')

Lab Sample ID: 880-25413-29

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47742	03/03/23 12:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 18:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47766	03/03/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47806	03/04/23 15:13	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47768	03/03/23 15:49	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47821	03/04/23 20:46	CH	EET MID

Client Sample ID: SW-24 (3')

Lab Sample ID: 880-25413-30

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47742	03/03/23 12:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 18:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47766	03/03/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47806	03/04/23 15:34	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47768	03/03/23 15:49	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47821	03/04/23 20:51	CH	EET MID

Lab Chronicle

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Client Sample ID: SW-25 (3')

Lab Sample ID: 880-25413-31

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47742	03/03/23 12:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 20:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47766	03/03/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47806	03/04/23 16:14	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	47768	03/03/23 15:49	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47821	03/04/23 20:56	CH	EET MID

Client Sample ID: SW-26 (3')

Lab Sample ID: 880-25413-32

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47742	03/03/23 12:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 20:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47766	03/03/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47806	03/04/23 16:35	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47768	03/03/23 15:49	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47821	03/04/23 21:11	CH	EET MID

Client Sample ID: SW-27 (3')

Lab Sample ID: 880-25413-33

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47742	03/03/23 12:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 21:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47766	03/03/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47806	03/04/23 16:56	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	47768	03/03/23 15:49	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47821	03/04/23 21:15	CH	EET MID

Client Sample ID: SW-28 (3')

Lab Sample ID: 880-25413-34

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47742	03/03/23 12:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 21:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Client Sample ID: SW-28 (3')

Lab Sample ID: 880-25413-34

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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			47899	03/06/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47766	03/03/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47806	03/04/23 17:16	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	47768	03/03/23 15:49	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47821	03/04/23 21:30	CH	EET MID

Client Sample ID: SW-29 (3')

Lab Sample ID: 880-25413-35

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47742	03/03/23 12:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 21:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47766	03/03/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47806	03/04/23 17:36	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	47768	03/03/23 15:49	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47821	03/04/23 21:35	CH	EET MID

Client Sample ID: SW-30 (3')

Lab Sample ID: 880-25413-36

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47742	03/03/23 12:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 22:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47766	03/03/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47806	03/04/23 17:56	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47768	03/03/23 15:49	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47821	03/04/23 21:40	CH	EET MID

Client Sample ID: SW-31 (3')

Lab Sample ID: 880-25413-37

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47742	03/03/23 12:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 22:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47766	03/03/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47806	03/04/23 18:17	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Client Sample ID: SW-31 (3')

Lab Sample ID: 880-25413-37

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47768	03/03/23 15:49	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47821	03/04/23 21:45	CH	EET MID

Client Sample ID: SW-32 (3')

Lab Sample ID: 880-25413-38

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47742	03/03/23 12:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 22:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47810	03/04/23 09:43	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47832	03/06/23 03:58	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47768	03/03/23 15:49	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47821	03/04/23 21:50	CH	EET MID

Client Sample ID: SW-33 (3')

Lab Sample ID: 880-25413-39

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47742	03/03/23 12:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 23:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47810	03/04/23 09:43	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47832	03/06/23 04:18	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	47768	03/03/23 15:49	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47821	03/04/23 21:55	CH	EET MID

Client Sample ID: SW-34 (3')

Lab Sample ID: 880-25413-40

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47742	03/03/23 12:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47723	03/04/23 23:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/06/23 14:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 11:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47811	03/04/23 10:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47830	03/05/23 18:12	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47768	03/03/23 15:49	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47821	03/04/23 22:00	CH	EET MID

Lab Chronicle

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Client Sample ID: SW-35 (3')

Lab Sample ID: 880-25413-41

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47733	03/06/23 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47865	03/07/23 08:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/07/23 16:00	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 12:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47759	03/03/23 14:07	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47801	03/04/23 17:50	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	47770	03/03/23 15:51	CH	EET MID
Soluble	Analysis	300.0		1			47823	03/05/23 09:16	CH	EET MID

Client Sample ID: SW-36 (3')

Lab Sample ID: 880-25413-42

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 10:43

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	47733	03/06/23 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47865	03/07/23 08:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			47946	03/07/23 16:00	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47899	03/06/23 12:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47759	03/03/23 14:07	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47801	03/04/23 18:11	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	47770	03/03/23 15:51	CH	EET MID
Soluble	Analysis	300.0		1			47823	03/05/23 09:31	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: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 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)
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: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 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: Laguna Grande Unit 7 Row

Job ID: 880-25413-1
 SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-25413-1	CS-1 (8')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-2	CS-2 (8')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-3	CS-3 (8')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-4	CS-4 (8')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-5	CS-5 (8')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-6	CS-6 (5')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-7	CS-7 (5')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-8	CS-38 (3')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-9	CS-39 (3')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-10	CS-40 (3')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-11	CS-41 (3')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-12	CS-42 (3')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-13	CS-43 (3')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-14	CS-44 (3')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-15	CS-45 (3')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-16	CS-46 (3')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-17	CS-47 (3')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-18	CS-48 (3')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-19	CS-49 (3')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-20	CS-50 (3')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-21	CS-51 (3')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-22	CS-52 (8')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-23	CS-53 (5')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-24	SW-3 (8')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-25	SW-6 (8')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-26	SW-7 (5')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-27	SW-8 (5')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-28	SW-10 (5')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-29	SW-23 (3')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-30	SW-24 (3')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-31	SW-25 (3')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-32	SW-26 (3')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-33	SW-27 (3')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-34	SW-28 (3')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-35	SW-29 (3')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-36	SW-30 (3')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-37	SW-31 (3')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-38	SW-32 (3')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-39	SW-33 (3')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-40	SW-34 (3')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-41	SW-35 (3')	Solid	03/02/23 00:00	03/03/23 10:43
880-25413-42	SW-36 (3')	Solid	03/02/23 00:00	03/03/23 10:43

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Work Order No: 85413

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Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Lung
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 West Wall Ste 415	Address:	600 N Marlenfield St Suite 600
City State ZIP:	Midland, TX 79701	City, State ZIP:	Midland TX 79701
Phone:	432-813-5347	Email:	laci.lung@colterra.com & ashton.thielke@colterra.com

Project Name:	Laguna Grande Unit 7 Row	Tum Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	
Project Number:	1227	Due Date:	48 HR		
Project Location:	Eddy Co NIM	TAT starts the day received by the lab if received by 4:30pm			
Sampler's Name:	KB	Parameters			
PO #:		BTEX 8021B			
SAMPLE RECEIPT		Temp Blank	Yes No	Wet Ice	Yes No
Received Inlact.	Yes No	Thermometer ID	Yes No	Correction Factor	Yes No
Cooler Custody Seals	Yes No	Temperature Reading	Corrected Temperature:		
Sample Custody Seals	Yes No	Total Containers			

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST	Preservative Codes	Sample Comments
CS-1 (8)	3/2/2023		X		Comp	1		None NO	
CS-2 (8)	3/2/2023		X		Comp	1		Cool Cool	
CS-3 (8)	3/2/2023		X		Comp	1		HCL HC	
CS-4 (8)	3/2/2023		X		Comp	1		H ₂ SO ₄ H ₂	
CS-5 (8)	3/2/2023		X		Comp	1		H ₃ PO ₄ HP	
CS-6 (5)	3/2/2023		X		Comp	1		NaHSO ₄ NABIS	
CS-7 (5)	3/2/2023		X		Comp	1		Na ₂ S ₂ O ₅ NaSO ₃	
CS-38 (3)	3/2/2023		X		Comp	1		Zn Acetate+NaOH Zn	
CS-39 (3)	3/2/2023		X		Comp	1		NaOH+Ascorbic Acid SAPP	
CS-40 (3)	3/2/2023		X		Comp	1			

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com



Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
		3/2/23			
		3/16/23			

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Work Order No: 25413

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Project Manager	Ashton Thielke	Bill to: (if different)	Laci Luig
Company Name	Carmona Resources	Company Name:	Cimatex Energy
Address	310 West Wall Ste 415	Address	600 N Marlenfield St, Suite 600
City State ZIP	Midland, TX 79701	City, State ZIP	Midland TX 79701
Phone	432-813-5347	Email	laci.luig@colerra.com & ashton.thielke@colerra.com

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

Project Name	Project Number	Turn Around		Pres. Code	ANALYSIS REQUEST			Preservative Codes
		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		Due Date	48 HR	Parameters	
Laguna Grande Unit 7 Row	1227							
Project Location	Eddy Co. NM							
Sampler's Name	KB							
PO #								
SAMPLE RECEIPT	Temp Blank	Yes	No	Thermometer ID				
Received Intact:	Yes	No	N/A	Correction Factor				
Cooler Custody Seals	Yes	No	N/A	Temperature Reading				
Sample Custody Seals	Yes	No	N/A	Corrected Temperature				
Total Containers								
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Sample Comments	
CS-41 (3')	3/2/2023		X		Comp	1	X	X
CS-42 (3')	3/2/2023		X		Comp	1	X	X
CS-43 (3')	3/2/2023		X		Comp	1	X	X
CS-44 (3')	3/2/2023		X		Comp	1	X	X
CS-45 (3')	3/2/2023		X		Comp	1	X	X
CS-46 (3')	3/2/2023		X		Comp	1	X	X
CS-47 (3')	3/2/2023		X		Comp	1	X	X
CS-48 (3')	3/2/2023		X		Comp	1	X	X
CS-49 (3')	3/2/2023		X		Comp	1	X	X
CS-50 (3')	3/2/2023		X		Comp	1	X	X

Please send results to cmoehting@carmonarresources.com and mcarmona@carmonarresources.com

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
		3/5/23			1043

Revised Date 05/01/2020 Rev 2020 1

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Work Order No: 25413

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Project Manager:	Ashton Thielke	Bill to (if different):	Laci Lung
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 West Wall Ste 415	Address:	600 N Mainfield St Suite 600
City/State ZIP:	Midland, TX 79701	City/State ZIP:	Midland TX 79701
Phone:	432-813-5347	Email:	laci.lung@colterra.com & ashton.thielke@colterra.com

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

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			Preservative Codes
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	
CS-51 (3)	3/2/2023		X		Comp	1	X	X	X	
CS-52 (8)	3/2/2023		X		Comp	1	X	X	X	
CS-53 (5)	3/2/2023		X		Comp	1	X	X	X	
SW-3 (8)	3/2/2023		X		Comp	1	X	X	X	
SW-6 (8)	3/2/2023		X		Comp	1	X	X	X	
SW-7 (5)	3/2/2023		X		Comp	1	X	X	X	
SW-8 (5)	3/2/2023		X		Comp	1	X	X	X	
SW-10 (5)	3/2/2023		X		Comp	1	X	X	X	
SW-23 (3)	3/2/2023		X		Comp	1	X	X	X	
SW-24 (3)	3/2/2023		X		Comp	1	X	X	X	

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
		3/15/23			
		10430			

Revised Date 04/20/2019 Rev. 2020.1

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Work Order No: 25413

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Project Manager	Ashton Thielke	Bill to (if different)	Lael Luig
Company Name	Carmona Resources	Company Name	Cimarex Energy
Address	310 West Wall Ste 415	Address	600 N Marientfield St Suite 600
City State ZIP	Midland, TX 79701	City State ZIP	Midland TX 79701
Phone	432-813-5347	Email	lael.luig@colterra.com & ashton.thielke@colterra.com

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

Project Name	Laguna Grande Unit 7 Row	Turn Around		Pres. Code	ANALYSIS REQUEST			Preservative Codes
		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		48 HR	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	
Project Number	1227	Due Date						
Project Location	Eddy Co, NM	TAT starts the day received by the lab if received by 4 30pm						
Sampler's Name	KB	Wet Ice						
PO #		Thermometer ID						
SAMPLE RECEIPT		Temp Blank	Yes No	Correction Factor				
Received Intact	Yes No	Temperature Reading	Corrected Temperature					
Cooler Custody Seals	Yes No N/A	Parameters						
Sample Custody Seals	Yes No N/A	Grab/Comp						
Total Containers	Corrected Temperature	# of Cont						
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Sample Comments	
SW-25 (3)	3/2/2023		X		Comp	1		
SW-26 (3)	3/2/2023		X		Comp	1		
SW-27 (3)	3/2/2023		X		Comp	1		
SW-28 (3)	3/2/2023		X		Comp	1		
SW-29 (3)	3/2/2023		X		Comp	1		
SW-30 (3)	3/2/2023		X		Comp	1		
SW-31 (3)	3/2/2023		X		Comp	1		
SW-32 (3)	3/2/2023		X		Comp	1		
SW-33 (3)	3/2/2023		X		Comp	1		
SW-34 (3)	3/2/2023		X		Comp	1		

Please send results to cmoehring@carmonarresources.com and mcarmona@carmonarresources.com

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
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		1043			

Revised Date 05/12/20 Rev. 202 1

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Work Order No: 25413

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Project Manager	Ashton Thielke	Bill to (if different)	Lael Luing
Company Name	Carmona Resources	Company Name:	Cimarex Energy
Address	310 West Wall Ste 415	Address	600 N Marshallfield St Suite 600
City State ZIP	Midland TX 79701	City, State ZIP	Midland TX 79701
Phone	432-813-5347	Email	lael.luing@coterra.com & ashton.thielke@coterra.com

Work Order Comments

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

Project Name	Laguna Grande Unit 7 Row	Turn Around		Pres.	ANALYSIS REQUEST	Preservative Codes
Project Number	1227	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush	Code		None, NO Cool Cool HCL HC H ₂ SO ₄ H ₂ H ₃ PO ₄ , HP NaHSO ₄ , NABIS Na ₂ S ₂ O ₅ , NaSO Zn Acetate+NaOH Zn NaOH+Ascorbic Acid SAPC

Project Location	Eddy Co NM	Due Date	48 HR	Parameters	BTEX 8021B										
Sampler's Name	KB	TAT starts the day received by the lab if received by 4:30pm			TPH 8015M (GRO + DRO + MRO)										
PO #		Temp Blank	Yes No	Thermometer ID	Chloride 300 0										

Received Intact	Yes	No	N/A	Correction Factor											
Cooler Custody Seals	Yes	No	N/A	Temperature Reading	Corrected Temperature										
Sample Custody Seals	Yes	No	N/A	Temperature Reading	Corrected Temperature										
Total Containers															
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont									
SW-35 (3)	3/2/2023		X		Comp	1	X	X	X						
SW-36 (3)	3/2/2023		X		Comp	1	X	X	X						

Please send results to cmoehring@carnonaresources.com and mcarnona@carnonaresources.com

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
		3/2/2023			

Loc: 880
25413

Revised Date 05/01/2020 Rev: 2020 1

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-25413-1

SDG Number: Eddy Co, NM

Login Number: 25413

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	

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Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Ashton Thielke
 Carmona Resources
 310 W Wall St
 Ste 415
 Midland, Texas 79701
 Generated 3/7/2023 3:19:07 PM

JOB DESCRIPTION

Laguna Grande Unit 7 Row
 SDG NUMBER Eddy Co, NM

JOB NUMBER

880-25424-1

Eurofins Midland
 1211 W. Florida Ave
 Midland TX 79701

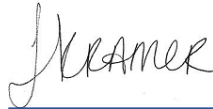


Eurofins Midland

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
3/7/2023 3:19:07 PM

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

Client: Carmona Resources
Project/Site: Laguna Grande Unit 7 Row

Laboratory Job ID: 880-25424-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25424-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25424-1
SDG: Eddy Co, NM

Job ID: 880-25424-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-25424-1**

Receipt

The samples were received on 3/3/2023 1:43 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 3.5°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW-1 (8'0) (880-25424-1), SW-2 (8'0) (880-25424-2), SW-3 (8'0) (880-25424-3) and SW-4 (8'0) (880-25424-4).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-47733 and analytical batch 880-47865 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.

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 880-47766 and analytical batch 880-47806 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-25413-A-21-E MS) and (880-25413-A-21-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-47769 and analytical batch 880-47799 was outside the upper control limits.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-47744 and analytical batch 880-47760 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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



Client Sample Results

Client: Carmona Resources
Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25424-1
SDG: Eddy Co, NM

Client Sample ID: SW-1 (8'0)

Lab Sample ID: 880-25424-1

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 13:43

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		03/06/23 12:32	03/07/23 09:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/06/23 12:32	03/07/23 09:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/06/23 12:32	03/07/23 09:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/06/23 12:32	03/07/23 09:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/06/23 12:32	03/07/23 09:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/06/23 12:32	03/07/23 09:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	03/06/23 12:32	03/07/23 09:18	1
1,4-Difluorobenzene (Surr)	78		70 - 130	03/06/23 12:32	03/07/23 09:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/07/23 16:00	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			03/06/23 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/03/23 15:48	03/04/23 18:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 15:48	03/04/23 18:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 15:48	03/04/23 18:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	03/03/23 15:48	03/04/23 18:37	1
o-Terphenyl	113		70 - 130	03/03/23 15:48	03/04/23 18:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9010		100		mg/Kg			03/03/23 17:49	20

Client Sample ID: SW-2 (8'0)

Lab Sample ID: 880-25424-2

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 13:43

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		03/06/23 12:32	03/07/23 09:44	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/06/23 12:32	03/07/23 09:44	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/06/23 12:32	03/07/23 09:44	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/06/23 12:32	03/07/23 09:44	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/06/23 12:32	03/07/23 09:44	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/06/23 12:32	03/07/23 09:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	03/06/23 12:32	03/07/23 09:44	1
1,4-Difluorobenzene (Surr)	72		70 - 130	03/06/23 12:32	03/07/23 09:44	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25424-1
 SDG: Eddy Co, NM

Client Sample ID: SW-2 (8'0)

Lab Sample ID: 880-25424-2

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 13:43

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			03/07/23 16:00	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			03/06/23 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/03/23 15:48	03/04/23 18:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 15:48	03/04/23 18:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 15:48	03/04/23 18:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	03/03/23 15:48	03/04/23 18:57	1
o-Terphenyl	116		70 - 130	03/03/23 15:48	03/04/23 18:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7800		101		mg/Kg			03/03/23 17:55	20

Client Sample ID: SW-3 (8'0)

Lab Sample ID: 880-25424-3

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 13:43

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		03/06/23 12:32	03/07/23 10:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/06/23 12:32	03/07/23 10:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/06/23 12:32	03/07/23 10:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/06/23 12:32	03/07/23 10:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/06/23 12:32	03/07/23 10:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/06/23 12:32	03/07/23 10:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	03/06/23 12:32	03/07/23 10:10	1
1,4-Difluorobenzene (Surr)	71		70 - 130	03/06/23 12:32	03/07/23 10:10	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			03/07/23 16:00	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			03/06/23 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/03/23 15:48	03/04/23 19:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 15:48	03/04/23 19:17	1

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Client Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25424-1
 SDG: Eddy Co, NM

Client Sample ID: SW-3 (8'0)

Lab Sample ID: 880-25424-3

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 13:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 15:48	03/04/23 19:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				03/03/23 15:48	03/04/23 19:17	1
o-Terphenyl	117		70 - 130				03/03/23 15:48	03/04/23 19:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6340		99.8		mg/Kg			03/03/23 18:01	20

Client Sample ID: SW-4 (8'0)

Lab Sample ID: 880-25424-4

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 13:43

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		03/06/23 12:32	03/07/23 10:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/06/23 12:32	03/07/23 10:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/06/23 12:32	03/07/23 10:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/06/23 12:32	03/07/23 10:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/06/23 12:32	03/07/23 10:36	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/06/23 12:32	03/07/23 10:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				03/06/23 12:32	03/07/23 10:36	1
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130				03/06/23 12:32	03/07/23 10:36	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			03/07/23 16:00	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			03/06/23 13:16	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		03/03/23 15:51	03/04/23 12:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/23 15:51	03/04/23 12:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/23 15:51	03/04/23 12:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				03/03/23 15:51	03/04/23 12:49	1
o-Terphenyl	110		70 - 130				03/03/23 15:51	03/04/23 12:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	602		4.96		mg/Kg			03/03/23 18:07	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25424-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-25412-A-21-B MS	Matrix Spike	103	71
880-25412-A-21-C MSD	Matrix Spike Duplicate	140 S1+	9 S1-
880-25424-1	SW-1 (8'0)	123	78
880-25424-2	SW-2 (8'0)	106	72
880-25424-3	SW-3 (8'0)	130	71
880-25424-4	SW-4 (8'0)	118	68 S1-
LCS 880-47733/1-A	Lab Control Sample	134 S1+	92
LCSD 880-47733/2-A	Lab Control Sample Dup	146 S1+	91
MB 880-47733/5-A	Method Blank	91	84
MB 880-47777/5-A	Method Blank	83	85

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-25237-A-47-C MS	Matrix Spike	116	116
880-25237-A-47-D MSD	Matrix Spike Duplicate	115	116
880-25413-A-21-E MS	Matrix Spike	133 S1+	117
880-25413-A-21-F MSD	Matrix Spike Duplicate	133 S1+	118
880-25424-1	SW-1 (8'0)	115	113
880-25424-2	SW-2 (8'0)	117	116
880-25424-3	SW-3 (8'0)	119	117
880-25424-4	SW-4 (8'0)	99	110
LCS 880-47766/2-A	Lab Control Sample	118	108
LCS 880-47769/2-A	Lab Control Sample	79	84
LCSD 880-47766/3-A	Lab Control Sample Dup	126	117
LCSD 880-47769/3-A	Lab Control Sample Dup	82	87
MB 880-47766/1-A	Method Blank	136 S1+	134 S1+
MB 880-47769/1-A	Method Blank	125	141 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25424-1
 SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-47733/5-A
 Matrix: Solid
 Analysis Batch: 47865

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 47733

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/06/23 12:32	03/07/23 01:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/06/23 12:32	03/07/23 01:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/06/23 12:32	03/07/23 01:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/06/23 12:32	03/07/23 01:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/06/23 12:32	03/07/23 01:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/06/23 12:32	03/07/23 01:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	03/06/23 12:32	03/07/23 01:50	1
1,4-Difluorobenzene (Surr)	84		70 - 130	03/06/23 12:32	03/07/23 01:50	1

Lab Sample ID: LCS 880-47733/1-A
 Matrix: Solid
 Analysis Batch: 47865

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 47733

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1102		mg/Kg		110	70 - 130
Toluene	0.100	0.1095		mg/Kg		109	70 - 130
Ethylbenzene	0.100	0.1035		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.2209		mg/Kg		110	70 - 130
o-Xylene	0.100	0.1047		mg/Kg		105	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: LCSD 880-47733/2-A
 Matrix: Solid
 Analysis Batch: 47865

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 47733

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1214		mg/Kg		121	70 - 130	10	35
Toluene	0.100	0.1203		mg/Kg		120	70 - 130	9	35
Ethylbenzene	0.100	0.1136		mg/Kg		114	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.2416		mg/Kg		121	70 - 130	9	35
o-Xylene	0.100	0.1161		mg/Kg		116	70 - 130	10	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: 880-25412-A-21-B MS
 Matrix: Solid
 Analysis Batch: 47865

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 47733

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U F1 F2	0.100	0.02283	F1	mg/Kg		23	70 - 130
Toluene	<0.00202	U F1 F2	0.100	0.02187	F1	mg/Kg		22	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25424-1
 SDG: Eddy Co, NM

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

Lab Sample ID: 880-25412-A-21-B MS
 Matrix: Solid
 Analysis Batch: 47865

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 47733

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U F1	0.100	0.03041	F1	mg/Kg		30	70 - 130
m-Xylene & p-Xylene	<0.00403	U F1 F2	0.201	0.06226	F1	mg/Kg		31	70 - 130
o-Xylene	<0.00202	U F1 F2	0.100	0.03233	F1	mg/Kg		32	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	71		70 - 130

Lab Sample ID: 880-25412-A-21-C MSD
 Matrix: Solid
 Analysis Batch: 47865

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 47733

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U F1 F2	0.0990	0.04120	F1 F2	mg/Kg		42	70 - 130	57	35
Toluene	<0.00202	U F1 F2	0.0990	0.04014	F1 F2	mg/Kg		41	70 - 130	59	35
Ethylbenzene	<0.00202	U F1	0.0990	0.04240	F1	mg/Kg		43	70 - 130	33	35
m-Xylene & p-Xylene	<0.00403	U F1 F2	0.198	0.09019	F1 F2	mg/Kg		46	70 - 130	37	35
o-Xylene	<0.00202	U F1 F2	0.0990	0.04873	F1 F2	mg/Kg		49	70 - 130	40	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130
1,4-Difluorobenzene (Surr)	9	S1-	70 - 130

Lab Sample ID: MB 880-47777/5-A
 Matrix: Solid
 Analysis Batch: 47865

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 47777

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/03/23 16:01	03/06/23 12:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/03/23 16:01	03/06/23 12:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/03/23 16:01	03/06/23 12:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/03/23 16:01	03/06/23 12:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/03/23 16:01	03/06/23 12:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/03/23 16:01	03/06/23 12:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	03/03/23 16:01	03/06/23 12:10	1
1,4-Difluorobenzene (Surr)	85		70 - 130	03/03/23 16:01	03/06/23 12:10	1

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

Lab Sample ID: MB 880-47766/1-A
 Matrix: Solid
 Analysis Batch: 47806

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 47766

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		03/03/23 15:48	03/04/23 09:08	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25424-1
 SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-47766/1-A
Matrix: Solid
Analysis Batch: 47806

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 47766

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 15:48	03/04/23 09:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 15:48	03/04/23 09:08	1
Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac			
	%Recovery	Qualifier							
1-Chlorooctane	136	S1+	70 - 130	03/03/23 15:48	03/04/23 09:08	1			
o-Terphenyl	134	S1+	70 - 130	03/03/23 15:48	03/04/23 09:08	1			

Lab Sample ID: LCS 880-47766/2-A
Matrix: Solid
Analysis Batch: 47806

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 47766

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	998	1151		mg/Kg		115	70 - 130
Surrogate	LCS	LCS	Limits				
	%Recovery	Qualifier					
1-Chlorooctane	118		70 - 130				
o-Terphenyl	108		70 - 130				

Lab Sample ID: LCSD 880-47766/3-A
Matrix: Solid
Analysis Batch: 47806

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 47766

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (Over C10-C28)	999	1237		mg/Kg		124	70 - 130	7	20
Surrogate	LCSD	LCSD	Limits						
	%Recovery	Qualifier							
1-Chlorooctane	126		70 - 130						
o-Terphenyl	117		70 - 130						

Lab Sample ID: 880-25413-A-21-E MS
Matrix: Solid
Analysis Batch: 47806

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 47766

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	<50.0	U	999	877.7		mg/Kg		88	70 - 130
Surrogate	MS	MS	Limits						
	%Recovery	Qualifier							
1-Chlorooctane	133	S1+	70 - 130						
o-Terphenyl	117		70 - 130						

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QC Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25424-1
 SDG: Eddy Co, NM

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

Lab Sample ID: 880-25413-A-21-F MSD
Matrix: Solid
Analysis Batch: 47806

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 47766

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	951.2		mg/Kg		92	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	882.9		mg/Kg		88	70 - 130	1	20
Surrogate	MSD	MSD									
	%Recovery	Qualifier	Limits								
1-Chlorooctane	133	S1+	70 - 130								
o-Terphenyl	118		70 - 130								

Lab Sample ID: MB 880-47769/1-A
Matrix: Solid
Analysis Batch: 47799

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 47769

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		03/03/23 15:51	03/04/23 09:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/23 15:51	03/04/23 09:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/23 15:51	03/04/23 09:09	1
Surrogate	MB	MB					Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier	Limits						
1-Chlorooctane	125		70 - 130				03/03/23 15:51	03/04/23 09:09	1
o-Terphenyl	141	S1+	70 - 130				03/03/23 15:51	03/04/23 09:09	1

Lab Sample ID: LCS 880-47769/2-A
Matrix: Solid
Analysis Batch: 47799

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 47769

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec	RPD	Limit
							Result		
Gasoline Range Organics (GRO)-C6-C10	1000	982.4		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	983.3		mg/Kg		98	70 - 130		
Surrogate	LCS	LCS							
	%Recovery	Qualifier	Limits						
1-Chlorooctane	79		70 - 130						
o-Terphenyl	84		70 - 130						

Lab Sample ID: LCSD 880-47769/3-A
Matrix: Solid
Analysis Batch: 47799

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 47769

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	Limit
							Result		
Gasoline Range Organics (GRO)-C6-C10	1000	1023		mg/Kg		102	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	1031		mg/Kg		103	70 - 130	5	20

QC Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25424-1
 SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-47769/3-A
 Matrix: Solid
 Analysis Batch: 47799

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 47769

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	82		70 - 130
o-Terphenyl	87		70 - 130

Lab Sample ID: 880-25237-A-47-C MS
 Matrix: Solid
 Analysis Batch: 47799

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 47769

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
	MS %Recovery	MS Qualifier	Limits							
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	919.6		mg/Kg		89	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	999	990.4		mg/Kg		97	70 - 130	
Surrogate	MS %Recovery	MS Qualifier	Limits							
1-Chlorooctane	116		70 - 130							
o-Terphenyl	116		70 - 130							

Lab Sample ID: 880-25237-A-47-D MSD
 Matrix: Solid
 Analysis Batch: 47799

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 47769

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
	MSD %Recovery	MSD Qualifier	Limits	RPD	Limit						
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	909.0		mg/Kg		88	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	990.5		mg/Kg		97	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	115		70 - 130								
o-Terphenyl	116		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-47744/1-A
 Matrix: Solid
 Analysis Batch: 47760

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			03/03/23 15:10	1

Lab Sample ID: LCS 880-47744/2-A
 Matrix: Solid
 Analysis Batch: 47760

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	230.3		mg/Kg		92	90 - 110

QC Sample Results

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25424-1
 SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-47744/3-A
 Matrix: Solid
 Analysis Batch: 47760

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Chloride	250	230.0		mg/Kg		92	90 - 110	0	20	

Lab Sample ID: 880-25421-A-1-B MS
 Matrix: Solid
 Analysis Batch: 47760

Client Sample ID: Matrix Spike
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Chloride	61000	F1	25100	80330	F1	mg/Kg		77	90 - 110			

Lab Sample ID: 880-25421-A-1-C MSD
 Matrix: Solid
 Analysis Batch: 47760

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Chloride	61000	F1	25100	80320	F1	mg/Kg		77	90 - 110	0	20	

Lab Sample ID: 890-4225-A-7-B MS
 Matrix: Solid
 Analysis Batch: 47760

Client Sample ID: Matrix Spike
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Chloride	65.6		249	305.7		mg/Kg		96	90 - 110			

Lab Sample ID: 890-4225-A-7-C MSD
 Matrix: Solid
 Analysis Batch: 47760

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Chloride	65.6		249	306.3		mg/Kg		97	90 - 110	0	20	

QC Association Summary

Client: Carmona Resources
Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25424-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 47733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25424-1	SW-1 (8'0)	Total/NA	Solid	5035	
880-25424-2	SW-2 (8'0)	Total/NA	Solid	5035	
880-25424-3	SW-3 (8'0)	Total/NA	Solid	5035	
880-25424-4	SW-4 (8'0)	Total/NA	Solid	5035	
MB 880-47733/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-47733/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-47733/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25412-A-21-B MS	Matrix Spike	Total/NA	Solid	5035	
880-25412-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 47777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-47777/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 47865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25424-1	SW-1 (8'0)	Total/NA	Solid	8021B	47733
880-25424-2	SW-2 (8'0)	Total/NA	Solid	8021B	47733
880-25424-3	SW-3 (8'0)	Total/NA	Solid	8021B	47733
880-25424-4	SW-4 (8'0)	Total/NA	Solid	8021B	47733
MB 880-47733/5-A	Method Blank	Total/NA	Solid	8021B	47733
MB 880-47777/5-A	Method Blank	Total/NA	Solid	8021B	47777
LCS 880-47733/1-A	Lab Control Sample	Total/NA	Solid	8021B	47733
LCSD 880-47733/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	47733
880-25412-A-21-B MS	Matrix Spike	Total/NA	Solid	8021B	47733
880-25412-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	47733

Analysis Batch: 48069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25424-1	SW-1 (8'0)	Total/NA	Solid	Total BTEX	
880-25424-2	SW-2 (8'0)	Total/NA	Solid	Total BTEX	
880-25424-3	SW-3 (8'0)	Total/NA	Solid	Total BTEX	
880-25424-4	SW-4 (8'0)	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 47766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25424-1	SW-1 (8'0)	Total/NA	Solid	8015NM Prep	
880-25424-2	SW-2 (8'0)	Total/NA	Solid	8015NM Prep	
880-25424-3	SW-3 (8'0)	Total/NA	Solid	8015NM Prep	
MB 880-47766/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-47766/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-47766/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25413-A-21-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-25413-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 47769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25424-4	SW-4 (8'0)	Total/NA	Solid	8015NM Prep	
MB 880-47769/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25424-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Prep Batch: 47769 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-47769/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCS 880-47769/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25237-A-47-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-25237-A-47-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 47799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25424-4	SW-4 (8'0)	Total/NA	Solid	8015B NM	47769
MB 880-47769/1-A	Method Blank	Total/NA	Solid	8015B NM	47769
LCS 880-47769/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47769
LCS 880-47769/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47769
880-25237-A-47-C MS	Matrix Spike	Total/NA	Solid	8015B NM	47769
880-25237-A-47-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	47769

Analysis Batch: 47806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25424-1	SW-1 (8'0)	Total/NA	Solid	8015B NM	47766
880-25424-2	SW-2 (8'0)	Total/NA	Solid	8015B NM	47766
880-25424-3	SW-3 (8'0)	Total/NA	Solid	8015B NM	47766
MB 880-47766/1-A	Method Blank	Total/NA	Solid	8015B NM	47766
LCS 880-47766/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47766
LCS 880-47766/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47766
880-25413-A-21-E MS	Matrix Spike	Total/NA	Solid	8015B NM	47766
880-25413-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	47766

Analysis Batch: 47922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25424-1	SW-1 (8'0)	Total/NA	Solid	8015 NM	
880-25424-2	SW-2 (8'0)	Total/NA	Solid	8015 NM	
880-25424-3	SW-3 (8'0)	Total/NA	Solid	8015 NM	
880-25424-4	SW-4 (8'0)	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 47744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25424-1	SW-1 (8'0)	Soluble	Solid	DI Leach	
880-25424-2	SW-2 (8'0)	Soluble	Solid	DI Leach	
880-25424-3	SW-3 (8'0)	Soluble	Solid	DI Leach	
880-25424-4	SW-4 (8'0)	Soluble	Solid	DI Leach	
MB 880-47744/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-47744/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCS 880-47744/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25421-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-25421-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
890-4225-A-7-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-4225-A-7-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 47760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25424-1	SW-1 (8'0)	Soluble	Solid	300.0	47744

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QC Association Summary

Client: Carmona Resources
Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25424-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Analysis Batch: 47760 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25424-2	SW-2 (8'0)	Soluble	Solid	300.0	47744
880-25424-3	SW-3 (8'0)	Soluble	Solid	300.0	47744
880-25424-4	SW-4 (8'0)	Soluble	Solid	300.0	47744
MB 880-47744/1-A	Method Blank	Soluble	Solid	300.0	47744
LCS 880-47744/2-A	Lab Control Sample	Soluble	Solid	300.0	47744
LCSD 880-47744/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	47744
880-25421-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	47744
880-25421-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	47744
890-4225-A-7-B MS	Matrix Spike	Soluble	Solid	300.0	47744
890-4225-A-7-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	47744

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Lab Chronicle

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25424-1
 SDG: Eddy Co, NM

Client Sample ID: SW-1 (8'0)

Lab Sample ID: 880-25424-1

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 13:43

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	47733	03/06/23 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47865	03/07/23 09:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48069	03/07/23 16:00	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47922	03/06/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47766	03/03/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47806	03/04/23 18:37	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	47744	03/03/23 13:45	SMC	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	47760	03/03/23 17:49	CH	EET MID

Client Sample ID: SW-2 (8'0)

Lab Sample ID: 880-25424-2

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 13:43

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	47733	03/06/23 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47865	03/07/23 09:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48069	03/07/23 16:00	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47922	03/06/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47766	03/03/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47806	03/04/23 18:57	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	47744	03/03/23 13:45	SMC	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	47760	03/03/23 17:55	CH	EET MID

Client Sample ID: SW-3 (8'0)

Lab Sample ID: 880-25424-3

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 13:43

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	47733	03/06/23 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47865	03/07/23 10:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48069	03/07/23 16:00	AJ	EET MID
Total/NA	Analysis	8015 NM		1			47922	03/06/23 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47766	03/03/23 15:48	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47806	03/04/23 19:17	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47744	03/03/23 13:45	SMC	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	47760	03/03/23 18:01	CH	EET MID

Client Sample ID: SW-4 (8'0)

Lab Sample ID: 880-25424-4

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 13:43

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	47733	03/06/23 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	47865	03/07/23 10:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48069	03/07/23 16:00	AJ	EET MID

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Lab Chronicle

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25424-1
 SDG: Eddy Co, NM

Client Sample ID: SW-4 (8'0)

Lab Sample ID: 880-25424-4

Date Collected: 03/02/23 00:00

Matrix: Solid

Date Received: 03/03/23 13:43

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			47922	03/06/23 13:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47769	03/03/23 15:51	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47799	03/04/23 12:49	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	47744	03/03/23 13:45	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	47760	03/03/23 18:07	CH	EET MID

Laboratory References:

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

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Accreditation/Certification Summary

Client: Carmona Resources
 Project/Site: Laguna Grande Unit 7 Row

Job ID: 880-25424-1
 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)
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: Laguna Grande Unit 7 Row

Job ID: 880-25424-1
 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: Laguna Grande Unit 7 Row

Job ID: 880-25424-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-25424-1	SW-1 (8'0)	Solid	03/02/23 00:00	03/03/23 13:43
880-25424-2	SW-2 (8'0)	Solid	03/02/23 00:00	03/03/23 13:43
880-25424-3	SW-3 (8'0)	Solid	03/02/23 00:00	03/03/23 13:43
880-25424-4	SW-4 (8'0)	Solid	03/02/23 00:00	03/03/23 13:43

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Chain of Custody

Work Order No: 25424

Page 1 of 1

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Lugg
Company Name:	Carmona Resources	Company Name:	Cimarrex Energy
Address:	310 West Wall Ste 415	Address:	600 N Marinerfield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-5347	Email:	laci.lugg@coterra.com & ashton.thielke@coterra.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRR <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Jupertund <input type="checkbox"/>	State of Project:
Reporting Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> P-ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	Deliverables EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:

Project Name:	Laguna Grande Unit 7 Row	Turn Around		Pres. Code	ANALYSIS REQUEST			Preservative Codes
		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		Due Date	48 HR		
Project Number:	1227							
Project Location:	Eddy Co. NM							
Sampler's Name:	KB	TAT starts the day received by the lab if received by 4:30pm						
PO #:								
SAMPLE RECEIPT								
Received In tact:	Temp Blank	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Weight	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID		
Cooler Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A	330		Correction Factor		
Sample Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A	320		Temperature Reading		
Total Containers		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A	35		Corrected Temperature		
Sample Identification								
SW-1 (8)		3/2/2023	X	Comp	1	X	X	X
SW-2 (8)		3/2/2023	X	Comp	1	X	X	X
SW-4 (8)		3/2/2023	X	Comp	1	X	X	X
SW-5 (8)		3/2/2023	X	Comp	1	X	X	X

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com



None	NO	DI Water	H ₂ O
Cool	Cool	MeOH	Me
HCL	HC	HNO ₃	HN
H ₂ SO ₄	H ₂	NaOH	Na
H ₃ PO ₄	HP		
NaHSO ₄	NABIS		
Na ₂ S ₂ O ₃	NASO ₃		
Zn Acetate	+NaOH	Zn	
NaOH	+Ascorbic Acid	SAPC	

Sample Comments: UOZ

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	03-03-2023	<i>[Signature]</i>	<i>[Signature]</i>	
		13435			

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-25424-1

SDG Number: Eddy Co, NM

Login Number: 25424

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	

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**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Ashton Thielke
Carmona Resources
310 West W Wall Ste. 415
Midland, TX 79701

Project: Laguna Grande Unit 7 ROW

Project Number: 1227

Location: Eddy County, NM

Lab Order Number: 3C14001



Current Certification

Report Date: 03/16/23

Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS-8 (3.25')	3C14001-01	Soil	03/13/23 00:00	03-14-2023 08:59
CS-10 (3.25')	3C14001-02	Soil	03/13/23 00:00	03-14-2023 08:59
CS-11 (3.25')	3C14001-03	Soil	03/13/23 00:00	03-14-2023 08:59
CS-12 (3.25')	3C14001-04	Soil	03/13/23 00:00	03-14-2023 08:59
CS-13 (3.25')	3C14001-05	Soil	03/13/23 00:00	03-14-2023 08:59
CS-18 (3.25')	3C14001-06	Soil	03/13/23 00:00	03-14-2023 08:59
CS-19 (3.25')	3C14001-07	Soil	03/13/23 00:00	03-14-2023 08:59
CS-20 (3.25')	3C14001-08	Soil	03/13/23 00:00	03-14-2023 08:59
CS-23 (3.25')	3C14001-09	Soil	03/13/23 00:00	03-14-2023 08:59
CS-24 (3.25')	3C14001-10	Soil	03/13/23 00:00	03-14-2023 08:59
CS-26 (3.25')	3C14001-11	Soil	03/13/23 00:00	03-14-2023 08:59
CS-27 (3.25')	3C14001-12	Soil	03/13/23 00:00	03-14-2023 08:59
CS-28 (3.25')	3C14001-13	Soil	03/13/23 00:00	03-14-2023 08:59
CS-30 (3.25')	3C14001-14	Soil	03/13/23 00:00	03-14-2023 08:59
CS-31 (3.25')	3C14001-15	Soil	03/13/23 00:00	03-14-2023 08:59
CS-33 (3.25')	3C14001-16	Soil	03/13/23 00:00	03-14-2023 08:59
CS-34 (3.25')	3C14001-17	Soil	03/13/23 00:00	03-14-2023 08:59
CS-36 (3.25')	3C14001-18	Soil	03/13/23 00:00	03-14-2023 08:59
SW-1 (8')	3C14001-19	Soil	03/13/23 00:00	03-14-2023 08:59
SW-2 (8')	3C14001-20	Soil	03/13/23 00:00	03-14-2023 08:59
SW-4 (8')	3C14001-21	Soil	03/13/23 00:00	03-14-2023 08:59
SW-5 (8')	3C14001-22	Soil	03/13/23 00:00	03-14-2023 08:59
SW-14 (3')	3C14001-23	Soil	03/13/23 00:00	03-14-2023 08:59
SW-17 (3')	3C14001-24	Soil	03/13/23 00:00	03-14-2023 08:59
SW-19 (3')	3C14001-25	Soil	03/13/23 00:00	03-14-2023 08:59
SW-20 (3')	3C14001-26	Soil	03/13/23 00:00	03-14-2023 08:59
SW-21 (3')	3C14001-27	Soil	03/13/23 00:00	03-14-2023 08:59
SW-32 (3')	3C14001-28	Soil	03/13/23 00:00	03-14-2023 08:59

Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

CS-8 (3.25')
3C14001-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 13:45	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 13:45	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 13:45	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 13:45	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 13:45	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	80-120		P3C1401	03/14/23 09:32	03/14/23 13:45	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.2 %	80-120		P3C1401	03/14/23 09:32	03/14/23 13:45	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 12:03	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 12:03	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 12:03	TPH 8015M	
Surrogate: 1-Chlorooctane		109 %	70-130		P3C1405	03/14/23 13:25	03/15/23 12:03	TPH 8015M	
Surrogate: o-Terphenyl		126 %	70-130		P3C1405	03/14/23 13:25	03/15/23 12:03	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	03/14/23 13:25	03/15/23 12:03	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	117	1.05	mg/kg dry	1	P3C1407	03/14/23 14:37	03/14/23 17:16	EPA 300.0	
% Moisture	5.0	0.1	%	1	P3C1607	03/16/23 12:33	03/16/23 12:35	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

CS-10 (3.25')
3C14001-02 (Soil)

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							

Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 14:06	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 14:06	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 14:06	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 14:06	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 14:06	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	80-120		P3C1401	03/14/23 09:32	03/14/23 14:06	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.1 %	80-120		P3C1401	03/14/23 09:32	03/14/23 14:06	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 12:27	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 12:27	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 12:27	TPH 8015M	
Surrogate: 1-Chlorooctane		102 %	70-130		P3C1405	03/14/23 13:25	03/15/23 12:27	TPH 8015M	
Surrogate: o-Terphenyl		119 %	70-130		P3C1405	03/14/23 13:25	03/15/23 12:27	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	03/14/23 13:25	03/15/23 12:27	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	104	1.05	mg/kg dry	1	P3C1407	03/14/23 14:37	03/14/23 18:18	EPA 300.0	
% Moisture	5.0	0.1	%	1	P3C1607	03/16/23 12:33	03/16/23 12:35	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

CS-11 (3.25')
3C14001-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 14:27	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 14:27	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 14:27	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 14:27	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 14:27	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	80-120		P3C1401	03/14/23 09:32	03/14/23 14:27	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.5 %	80-120		P3C1401	03/14/23 09:32	03/14/23 14:27	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 12:52	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 12:52	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 12:52	TPH 8015M	
Surrogate: 1-Chlorooctane		106 %	70-130		P3C1405	03/14/23 13:25	03/15/23 12:52	TPH 8015M	
Surrogate: o-Terphenyl		125 %	70-130		P3C1405	03/14/23 13:25	03/15/23 12:52	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	03/14/23 13:25	03/15/23 12:52	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	98.1	1.05	mg/kg dry	1	P3C1407	03/14/23 14:37	03/14/23 18:38	EPA 300.0	
% Moisture	5.0	0.1	%	1	P3C1607	03/16/23 12:33	03/16/23 12:35	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

CS-12 (3.25')
3C14001-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00104	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 14:49	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 14:49	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 14:49	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 14:49	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 14:49	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	80-120		P3C1401	03/14/23 09:32	03/14/23 14:49	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.7 %	80-120		P3C1401	03/14/23 09:32	03/14/23 14:49	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 13:16	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 13:16	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 13:16	TPH 8015M	
Surrogate: 1-Chlorooctane		98.2 %	70-130		P3C1405	03/14/23 13:25	03/15/23 13:16	TPH 8015M	
Surrogate: o-Terphenyl		118 %	70-130		P3C1405	03/14/23 13:25	03/15/23 13:16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	03/14/23 13:25	03/15/23 13:16	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	111	1.04	mg/kg dry	1	P3C1407	03/14/23 14:37	03/14/23 18:59	EPA 300.0	
% Moisture	4.0	0.1	%	1	P3C1607	03/16/23 12:33	03/16/23 12:35	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

CS-13 (3.25')
3C14001-05 (Soil)

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							

Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 15:10	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 15:10	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 15:10	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 15:10	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 15:10	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.7 %	80-120		P3C1401	03/14/23 09:32	03/14/23 15:10	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		106 %	80-120		P3C1401	03/14/23 09:32	03/14/23 15:10	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 13:41	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 13:41	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 13:41	TPH 8015M	
Surrogate: 1-Chlorooctane		99.9 %	70-130		P3C1405	03/14/23 13:25	03/15/23 13:41	TPH 8015M	
Surrogate: o-Terphenyl		117 %	70-130		P3C1405	03/14/23 13:25	03/15/23 13:41	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	03/14/23 13:25	03/15/23 13:41	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	93.9	1.05	mg/kg dry	1	P3C1407	03/14/23 14:37	03/14/23 19:19	EPA 300.0	
% Moisture	5.0	0.1	%	1	P3C1607	03/16/23 12:33	03/16/23 12:35	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

CS-18 (3.25')
3C14001-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00108	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 15:32	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 15:32	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 15:32	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 15:32	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 15:32	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		106 %	80-120		P3C1401	03/14/23 09:32	03/14/23 15:32	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.9 %	80-120		P3C1401	03/14/23 09:32	03/14/23 15:32	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.9	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 14:05	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 14:05	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 14:05	TPH 8015M	
Surrogate: 1-Chlorooctane		102 %	70-130		P3C1405	03/14/23 13:25	03/15/23 14:05	TPH 8015M	
Surrogate: o-Terphenyl		120 %	70-130		P3C1405	03/14/23 13:25	03/15/23 14:05	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	03/14/23 13:25	03/15/23 14:05	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	101	1.08	mg/kg dry	1	P3C1407	03/14/23 14:37	03/14/23 19:40	EPA 300.0	
% Moisture	7.0	0.1	%	1	P3C1607	03/16/23 12:33	03/16/23 12:35	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

CS-19 (3.25')
3C14001-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00104	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 15:54	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 15:54	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 15:54	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 15:54	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 15:54	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		106 %	80-120		P3C1401	03/14/23 09:32	03/14/23 15:54	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.3 %	80-120		P3C1401	03/14/23 09:32	03/14/23 15:54	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 14:32	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 14:32	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 14:32	TPH 8015M	
Surrogate: 1-Chlorooctane		97.3 %	70-130		P3C1405	03/14/23 13:25	03/15/23 14:32	TPH 8015M	
Surrogate: o-Terphenyl		114 %	70-130		P3C1405	03/14/23 13:25	03/15/23 14:32	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	03/14/23 13:25	03/15/23 14:32	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	98.9	1.04	mg/kg dry	1	P3C1407	03/14/23 14:37	03/14/23 20:00	EPA 300.0	
% Moisture	4.0	0.1	%	1	P3C1607	03/16/23 12:33	03/16/23 12:35	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

CS-20 (3.25')
3C14001-08 (Soil)

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							

Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 16:15	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 16:15	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 16:15	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 16:15	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 16:15	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		106 %	80-120		P3C1401	03/14/23 09:32	03/14/23 16:15	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.8 %	80-120		P3C1401	03/14/23 09:32	03/14/23 16:15	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 14:57	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 14:57	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 14:57	TPH 8015M	
Surrogate: 1-Chlorooctane		97.5 %	70-130		P3C1405	03/14/23 13:25	03/15/23 14:57	TPH 8015M	
Surrogate: o-Terphenyl		113 %	70-130		P3C1405	03/14/23 13:25	03/15/23 14:57	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	03/14/23 13:25	03/15/23 14:57	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	104	1.05	mg/kg dry	1	P3C1407	03/14/23 14:37	03/14/23 20:21	EPA 300.0	
% Moisture	5.0	0.1	%	1	P3C1607	03/16/23 12:33	03/16/23 12:35	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

CS-23 (3.25')
3C14001-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 16:37	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 16:37	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 16:37	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 16:37	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 16:37	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.3 %	80-120		P3C1401	03/14/23 09:32	03/14/23 16:37	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		107 %	80-120		P3C1401	03/14/23 09:32	03/14/23 16:37	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 15:22	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 15:22	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 15:22	TPH 8015M	
Surrogate: 1-Chlorooctane		98.4 %	70-130		P3C1405	03/14/23 13:25	03/15/23 15:22	TPH 8015M	
Surrogate: o-Terphenyl		116 %	70-130		P3C1405	03/14/23 13:25	03/15/23 15:22	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	03/14/23 13:25	03/15/23 15:22	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	102	1.05	mg/kg dry	1	P3C1407	03/14/23 14:37	03/14/23 20:41	EPA 300.0	
% Moisture	5.0	0.1	%	1	P3C1607	03/16/23 12:33	03/16/23 12:35	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

CS-24 (3.25')
3C14001-10 (Soil)

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							

Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 16:58	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 16:58	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 16:58	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 16:58	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 16:58	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	80-120		P3C1401	03/14/23 09:32	03/14/23 16:58	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.3 %	80-120		P3C1401	03/14/23 09:32	03/14/23 16:58	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 15:47	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 15:47	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 15:47	TPH 8015M	
Surrogate: 1-Chlorooctane		96.0 %	70-130		P3C1405	03/14/23 13:25	03/15/23 15:47	TPH 8015M	
Surrogate: o-Terphenyl		112 %	70-130		P3C1405	03/14/23 13:25	03/15/23 15:47	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	03/14/23 13:25	03/15/23 15:47	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	103	1.05	mg/kg dry	1	P3C1407	03/14/23 14:37	03/14/23 21:02	EPA 300.0	
% Moisture	5.0	0.1	%	1	P3C1607	03/16/23 12:33	03/16/23 12:35	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

CS-26 (3.25')
3C14001-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 18:03	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 18:03	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 18:03	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 18:03	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 18:03	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.0 %	80-120		P3C1401	03/14/23 09:32	03/14/23 18:03	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		107 %	80-120		P3C1401	03/14/23 09:32	03/14/23 18:03	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 17:47	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 17:47	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 17:47	TPH 8015M	
Surrogate: 1-Chlorooctane		100 %	70-130		P3C1405	03/14/23 13:25	03/15/23 17:47	TPH 8015M	
Surrogate: o-Terphenyl		111 %	70-130		P3C1405	03/14/23 13:25	03/15/23 17:47	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	03/14/23 13:25	03/15/23 17:47	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	92.0	1.05	mg/kg dry	1	P3C1407	03/14/23 14:37	03/14/23 22:03	EPA 300.0	
% Moisture	5.0	0.1	%	1	P3C1607	03/16/23 12:33	03/16/23 12:35	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

CS-27 (3.25')
3C14001-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00104	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 18:24	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 18:24	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 18:24	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 18:24	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 18:24	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	97.5 %		80-120		P3C1401	03/14/23 09:32	03/14/23 18:24	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	107 %		80-120		P3C1401	03/14/23 09:32	03/14/23 18:24	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 18:09	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 18:09	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 18:09	TPH 8015M	
Surrogate: 1-Chlorooctane	94.0 %		70-130		P3C1405	03/14/23 13:25	03/15/23 18:09	TPH 8015M	
Surrogate: o-Terphenyl	105 %		70-130		P3C1405	03/14/23 13:25	03/15/23 18:09	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	03/14/23 13:25	03/15/23 18:09	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	102	1.04	mg/kg dry	1	P3C1407	03/14/23 14:37	03/14/23 23:05	EPA 300.0	
% Moisture	4.0	0.1	%	1	P3C1607	03/16/23 12:33	03/16/23 12:35	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

CS-28 (3.25')
3C14001-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00104	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 18:45	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 18:45	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 18:45	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 18:45	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 18:45	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		95.9 %	80-120		P3C1401	03/14/23 09:32	03/14/23 18:45	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		111 %	80-120		P3C1401	03/14/23 09:32	03/14/23 18:45	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 18:31	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 18:31	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 18:31	TPH 8015M	
Surrogate: 1-Chlorooctane		95.1 %	70-130		P3C1405	03/14/23 13:25	03/15/23 18:31	TPH 8015M	
Surrogate: o-Terphenyl		107 %	70-130		P3C1405	03/14/23 13:25	03/15/23 18:31	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	03/14/23 13:25	03/15/23 18:31	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	86.7	1.04	mg/kg dry	1	P3C1407	03/14/23 14:37	03/14/23 23:26	EPA 300.0	
% Moisture	4.0	0.1	%	1	P3C1607	03/16/23 12:33	03/16/23 12:35	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

CS-30 (3.25')
3C14001-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00104	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 19:07	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 19:07	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 19:07	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 19:07	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 19:07	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.1 %	80-120		P3C1401	03/14/23 09:32	03/14/23 19:07	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		107 %	80-120		P3C1401	03/14/23 09:32	03/14/23 19:07	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 18:54	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 18:54	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 18:54	TPH 8015M	
Surrogate: 1-Chlorooctane		102 %	70-130		P3C1405	03/14/23 13:25	03/15/23 18:54	TPH 8015M	
Surrogate: o-Terphenyl		113 %	70-130		P3C1405	03/14/23 13:25	03/15/23 18:54	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	03/14/23 13:25	03/15/23 18:54	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	101	1.04	mg/kg dry	1	P3C1407	03/14/23 14:37	03/14/23 23:46	EPA 300.0	
% Moisture	4.0	0.1	%	1	P3C1607	03/16/23 12:33	03/16/23 12:35	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

CS-31 (3.25')
3C14001-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 19:28	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 19:28	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 19:28	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 19:28	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 19:28	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.0 %	80-120		P3C1401	03/14/23 09:32	03/14/23 19:28	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	80-120		P3C1401	03/14/23 09:32	03/14/23 19:28	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 19:16	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 19:16	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 19:16	TPH 8015M	
Surrogate: 1-Chlorooctane		94.5 %	70-130		P3C1405	03/14/23 13:25	03/15/23 19:16	TPH 8015M	
Surrogate: o-Terphenyl		107 %	70-130		P3C1405	03/14/23 13:25	03/15/23 19:16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	03/14/23 13:25	03/15/23 19:16	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	107	1.05	mg/kg dry	1	P3C1407	03/14/23 14:37	03/15/23 00:07	EPA 300.0	
% Moisture	5.0	0.1	%	1	P3C1607	03/16/23 12:33	03/16/23 12:35	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

CS-33 (3.25')
3C14001-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 19:49	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 19:49	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 19:49	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 19:49	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 19:49	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		96.9 %	80-120		P3C1401	03/14/23 09:32	03/14/23 19:49	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	80-120		P3C1401	03/14/23 09:32	03/14/23 19:49	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 19:38	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 19:38	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 19:38	TPH 8015M	
Surrogate: 1-Chlorooctane		106 %	70-130		P3C1405	03/14/23 13:25	03/15/23 19:38	TPH 8015M	
Surrogate: o-Terphenyl		119 %	70-130		P3C1405	03/14/23 13:25	03/15/23 19:38	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	03/14/23 13:25	03/15/23 19:38	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	108	1.05	mg/kg dry	1	P3C1407	03/14/23 14:37	03/15/23 00:27	EPA 300.0	
% Moisture	5.0	0.1	%	1	P3C1607	03/16/23 12:33	03/16/23 12:35	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

CS-34 (3.25')
3C14001-17 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 20:10	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 20:10	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 20:10	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 20:10	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 20:10	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		96.7 %	80-120		P3C1401	03/14/23 09:32	03/14/23 20:10	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	80-120		P3C1401	03/14/23 09:32	03/14/23 20:10	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 20:01	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 20:01	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 20:01	TPH 8015M	
Surrogate: 1-Chlorooctane		99.4 %	70-130		P3C1405	03/14/23 13:25	03/15/23 20:01	TPH 8015M	
Surrogate: o-Terphenyl		110 %	70-130		P3C1405	03/14/23 13:25	03/15/23 20:01	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	03/14/23 13:25	03/15/23 20:01	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	94.9	1.05	mg/kg dry	1	P3C1407	03/14/23 14:37	03/15/23 00:48	EPA 300.0	
% Moisture	5.0	0.1	%	1	P3C1607	03/16/23 12:33	03/16/23 12:35	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

CS-36 (3.25')
3C14001-18 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00111	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 20:31	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 20:31	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 20:31	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 20:31	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 20:31	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.1 %	80-120		P3C1401	03/14/23 09:32	03/14/23 20:31	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		106 %	80-120		P3C1401	03/14/23 09:32	03/14/23 20:31	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 20:23	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 20:23	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 20:23	TPH 8015M	
Surrogate: 1-Chlorooctane		97.1 %	70-130		P3C1405	03/14/23 13:25	03/15/23 20:23	TPH 8015M	
Surrogate: o-Terphenyl		108 %	70-130		P3C1405	03/14/23 13:25	03/15/23 20:23	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	03/14/23 13:25	03/15/23 20:23	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	113	1.11	mg/kg dry	1	P3C1407	03/14/23 14:37	03/15/23 01:08	EPA 300.0	
% Moisture	10.0	0.1	%	1	P3C1607	03/16/23 12:33	03/16/23 12:35	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

SW-1 (8')
3C14001-19 (Soil)

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							

Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00104	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 20:52	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 20:52	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 20:52	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 20:52	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 20:52	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		106 %	80-120		P3C1401	03/14/23 09:32	03/14/23 20:52	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.2 %	80-120		P3C1401	03/14/23 09:32	03/14/23 20:52	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 20:46	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 20:46	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 20:46	TPH 8015M	
Surrogate: 1-Chlorooctane		93.5 %	70-130		P3C1405	03/14/23 13:25	03/15/23 20:46	TPH 8015M	
Surrogate: o-Terphenyl		104 %	70-130		P3C1405	03/14/23 13:25	03/15/23 20:46	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	03/14/23 13:25	03/15/23 20:46	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	106	1.04	mg/kg dry	1	P3C1407	03/14/23 14:37	03/15/23 01:29	EPA 300.0	
% Moisture	4.0	0.1	%	1	P3C1607	03/16/23 12:33	03/16/23 12:35	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

SW-2 (8')
3C14001-20 (Soil)

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							

Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 21:13	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 21:13	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 21:13	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 21:13	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3C1401	03/14/23 09:32	03/14/23 21:13	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	80-120		P3C1401	03/14/23 09:32	03/14/23 21:13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		96.8 %	80-120		P3C1401	03/14/23 09:32	03/14/23 21:13	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 21:09	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 21:09	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3C1405	03/14/23 13:25	03/15/23 21:09	TPH 8015M	
Surrogate: 1-Chlorooctane		95.2 %	70-130		P3C1405	03/14/23 13:25	03/15/23 21:09	TPH 8015M	
Surrogate: o-Terphenyl		107 %	70-130		P3C1405	03/14/23 13:25	03/15/23 21:09	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	03/14/23 13:25	03/15/23 21:09	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	103	1.05	mg/kg dry	1	P3C1407	03/14/23 14:37	03/15/23 01:49	EPA 300.0	
% Moisture	5.0	0.1	%	1	P3C1607	03/16/23 12:33	03/16/23 12:35	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

SW-4 (8')
3C14001-21 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00106	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 00:03	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 00:03	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 00:03	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 00:03	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 00:03	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.2 %	80-120		P3C1402	03/14/23 09:36	03/15/23 00:03	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		106 %	80-120		P3C1402	03/14/23 09:36	03/15/23 00:03	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	P3C1406	03/14/23 13:50	03/14/23 18:33	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P3C1406	03/14/23 13:50	03/14/23 18:33	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P3C1406	03/14/23 13:50	03/14/23 18:33	TPH 8015M	
Surrogate: 1-Chlorooctane		77.9 %	70-130		P3C1406	03/14/23 13:50	03/14/23 18:33	TPH 8015M	
Surrogate: o-Terphenyl		90.3 %	70-130		P3C1406	03/14/23 13:50	03/14/23 18:33	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	03/14/23 13:50	03/14/23 18:33	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	98.5	1.06	mg/kg dry	1	P3C1408	03/14/23 14:40	03/14/23 16:45	EPA 300.0	
% Moisture	6.0	0.1	%	1	P3C1607	03/16/23 12:33	03/16/23 12:35	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

SW-5 (8')
3C14001-22 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00104	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 00:25	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 00:25	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 00:25	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 00:25	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 00:25	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.9 %		80-120		P3C1402	03/14/23 09:36	03/15/23 00:25	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	107 %		80-120		P3C1402	03/14/23 09:36	03/15/23 00:25	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P3C1406	03/14/23 13:50	03/14/23 18:57	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P3C1406	03/14/23 13:50	03/14/23 18:57	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P3C1406	03/14/23 13:50	03/14/23 18:57	TPH 8015M	
Surrogate: 1-Chlorooctane	99.3 %		70-130		P3C1406	03/14/23 13:50	03/14/23 18:57	TPH 8015M	
Surrogate: o-Terphenyl	113 %		70-130		P3C1406	03/14/23 13:50	03/14/23 18:57	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	03/14/23 13:50	03/14/23 18:57	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	98.1	1.04	mg/kg dry	1	P3C1408	03/14/23 14:40	03/14/23 17:28	EPA 300.0	
% Moisture	4.0	0.1	%	1	P3C1607	03/16/23 12:33	03/16/23 12:35	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

SW-14 (3')
3C14001-23 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00105	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 00:46	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 00:46	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 00:46	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 00:46	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 00:46	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		106 %	80-120		P3C1402	03/14/23 09:36	03/15/23 00:46	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.3 %	80-120		P3C1402	03/14/23 09:36	03/15/23 00:46	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P3C1406	03/14/23 13:50	03/14/23 19:21	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3C1406	03/14/23 13:50	03/14/23 19:21	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3C1406	03/14/23 13:50	03/14/23 19:21	TPH 8015M	
Surrogate: 1-Chlorooctane		97.1 %	70-130		P3C1406	03/14/23 13:50	03/14/23 19:21	TPH 8015M	
Surrogate: o-Terphenyl		112 %	70-130		P3C1406	03/14/23 13:50	03/14/23 19:21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	03/14/23 13:50	03/14/23 19:21	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	79.0	1.05	mg/kg dry	1	P3C1408	03/14/23 14:40	03/14/23 17:42	EPA 300.0	
% Moisture	5.0	0.1	%	1	P3C1607	03/16/23 12:33	03/16/23 12:35	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

SW-17 (3')
3C14001-24 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00103	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 01:08	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 01:08	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 01:08	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 01:08	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 01:08	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	80-120		P3C1402	03/14/23 09:36	03/15/23 01:08	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.2 %	80-120		P3C1402	03/14/23 09:36	03/15/23 01:08	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	P3C1406	03/14/23 13:50	03/14/23 19:46	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P3C1406	03/14/23 13:50	03/14/23 19:46	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P3C1406	03/14/23 13:50	03/14/23 19:46	TPH 8015M	
Surrogate: 1-Chlorooctane		101 %	70-130		P3C1406	03/14/23 13:50	03/14/23 19:46	TPH 8015M	
Surrogate: o-Terphenyl		115 %	70-130		P3C1406	03/14/23 13:50	03/14/23 19:46	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	03/14/23 13:50	03/14/23 19:46	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	102	1.03	mg/kg dry	1	P3C1408	03/14/23 14:40	03/14/23 17:56	EPA 300.0	
% Moisture	3.0	0.1	%	1	P3C1607	03/16/23 12:33	03/16/23 12:35	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

SW-19 (3')
3C14001-25 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00105	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 01:29	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 01:29	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 01:29	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 01:29	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 01:29	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		106 %	80-120		P3C1402	03/14/23 09:36	03/15/23 01:29	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.0 %	80-120		P3C1402	03/14/23 09:36	03/15/23 01:29	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P3C1406	03/14/23 13:50	03/14/23 20:10	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3C1406	03/14/23 13:50	03/14/23 20:10	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3C1406	03/14/23 13:50	03/14/23 20:10	TPH 8015M	
Surrogate: 1-Chlorooctane		98.5 %	70-130		P3C1406	03/14/23 13:50	03/14/23 20:10	TPH 8015M	
Surrogate: o-Terphenyl		115 %	70-130		P3C1406	03/14/23 13:50	03/14/23 20:10	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	03/14/23 13:50	03/14/23 20:10	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	109	1.05	mg/kg dry	1	P3C1408	03/14/23 14:40	03/14/23 18:11	EPA 300.0	
% Moisture	5.0	0.1	%	1	P3C1607	03/16/23 12:33	03/16/23 12:35	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

SW-20 (3')
3C14001-26 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00103	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 01:50	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 01:50	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 01:50	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 01:50	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 01:50	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.5 %	80-120		P3C1402	03/14/23 09:36	03/15/23 01:50	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	80-120		P3C1402	03/14/23 09:36	03/15/23 01:50	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	P3C1406	03/14/23 13:50	03/14/23 20:34	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P3C1406	03/14/23 13:50	03/14/23 20:34	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P3C1406	03/14/23 13:50	03/14/23 20:34	TPH 8015M	
Surrogate: 1-Chlorooctane		98.0 %	70-130		P3C1406	03/14/23 13:50	03/14/23 20:34	TPH 8015M	
Surrogate: o-Terphenyl		113 %	70-130		P3C1406	03/14/23 13:50	03/14/23 20:34	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	03/14/23 13:50	03/14/23 20:34	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	92.1	1.03	mg/kg dry	1	P3C1408	03/14/23 14:40	03/14/23 18:25	EPA 300.0	
% Moisture	3.0	0.1	%	1	P3C1607	03/16/23 12:33	03/16/23 12:35	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

SW-21 (3')
3C14001-27 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00105	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 02:12	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 02:12	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 02:12	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 02:12	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 02:12	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.4 %	80-120		P3C1402	03/14/23 09:36	03/15/23 02:12	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		107 %	80-120		P3C1402	03/14/23 09:36	03/15/23 02:12	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P3C1406	03/14/23 13:50	03/14/23 20:58	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3C1406	03/14/23 13:50	03/14/23 20:58	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3C1406	03/14/23 13:50	03/14/23 20:58	TPH 8015M	
Surrogate: 1-Chlorooctane		96.5 %	70-130		P3C1406	03/14/23 13:50	03/14/23 20:58	TPH 8015M	
Surrogate: o-Terphenyl		111 %	70-130		P3C1406	03/14/23 13:50	03/14/23 20:58	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	03/14/23 13:50	03/14/23 20:58	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	103	1.05	mg/kg dry	1	P3C1408	03/14/23 14:40	03/14/23 18:39	EPA 300.0	
% Moisture	5.0	0.1	%	1	P3C1607	03/16/23 12:33	03/16/23 12:35	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

SW-32 (3')
3C14001-28 (Soil)

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							

Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00104	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 02:33	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 02:33	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 02:33	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 02:33	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P3C1402	03/14/23 09:36	03/15/23 02:33	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	80-120		P3C1402	03/14/23 09:36	03/15/23 02:33	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.5 %	80-120		P3C1402	03/14/23 09:36	03/15/23 02:33	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P3C1406	03/14/23 13:50	03/14/23 21:22	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P3C1406	03/14/23 13:50	03/14/23 21:22	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P3C1406	03/14/23 13:50	03/14/23 21:22	TPH 8015M	
Surrogate: 1-Chlorooctane		95.4 %	70-130		P3C1406	03/14/23 13:50	03/14/23 21:22	TPH 8015M	
Surrogate: o-Terphenyl		110 %	70-130		P3C1406	03/14/23 13:50	03/14/23 21:22	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	03/14/23 13:50	03/14/23 21:22	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	108	1.04	mg/kg dry	1	P3C1408	03/14/23 14:40	03/14/23 18:54	EPA 300.0	
% Moisture	4.0	0.1	%	1	P3C1607	03/16/23 12:33	03/16/23 12:35	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3C1401 - * DEFAULT PREP *****

LCS (P3C1401-BS1)

Prepared & Analyzed: 03/14/23

Benzene	0.0944	0.00100	mg/kg	0.100		94.4	80-120			
Toluene	0.0913	0.00100	"	0.100		91.3	80-120			
Ethylbenzene	0.0891	0.00100	"	0.100		89.1	80-120			
Xylene (p/m)	0.164	0.00200	"	0.200		82.0	80-120			
Xylene (o)	0.0877	0.00100	"	0.100		87.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.7	80-120			
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	80-120			

LCS Dup (P3C1401-BSD1)

Prepared & Analyzed: 03/14/23

Benzene	0.107	0.00100	mg/kg	0.100		107	80-120	13.0	20	
Toluene	0.104	0.00100	"	0.100		104	80-120	12.6	20	
Ethylbenzene	0.0998	0.00100	"	0.100		99.8	80-120	11.3	20	
Xylene (p/m)	0.183	0.00200	"	0.200		91.5	80-120	11.0	20	
Xylene (o)	0.0995	0.00100	"	0.100		99.5	80-120	12.6	20	
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	80-120			

Calibration Blank (P3C1401-CCB1)

Prepared & Analyzed: 03/14/23

Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.120		"							
Xylene (p/m)	0.120		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		96.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.6	80-120			

Calibration Blank (P3C1401-CCB2)

Prepared & Analyzed: 03/14/23

Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.3	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3C1401 - * DEFAULT PREP *****

Calibration Blank (P3C1401-CCB3)

Prepared & Analyzed: 03/14/23

Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.5	80-120			
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		98.9	80-120			

Calibration Check (P3C1401-CCV1)

Prepared & Analyzed: 03/14/23

Benzene	0.0923	0.00100	mg/kg	0.100		92.3	80-120			
Toluene	0.0894	0.00100	"	0.100		89.4	80-120			
Ethylbenzene	0.0924	0.00100	"	0.100		92.4	80-120			
Xylene (p/m)	0.162	0.00200	"	0.200		81.1	80-120			
Xylene (o)	0.0856	0.00100	"	0.100		85.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.130		"	0.120		108	75-125			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		98.8	75-125			

Calibration Check (P3C1401-CCV2)

Prepared & Analyzed: 03/14/23

Benzene	0.0993	0.00100	mg/kg	0.100		99.3	80-120			
Toluene	0.0940	0.00100	"	0.100		94.0	80-120			
Ethylbenzene	0.0954	0.00100	"	0.100		95.4	80-120			
Xylene (p/m)	0.167	0.00200	"	0.200		83.7	80-120			
Xylene (o)	0.0897	0.00100	"	0.100		89.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.8	75-125			
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		105	75-125			

Calibration Check (P3C1401-CCV3)

Prepared & Analyzed: 03/14/23

Benzene	0.100	0.00100	mg/kg	0.100		100	80-120			
Toluene	0.0956	0.00100	"	0.100		95.6	80-120			
Ethylbenzene	0.0968	0.00100	"	0.100		96.8	80-120			
Xylene (p/m)	0.168	0.00200	"	0.200		83.9	80-120			
Xylene (o)	0.0903	0.00100	"	0.100		90.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.7	75-125			
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	75-125			

Permian Basin Environmental Lab, L.P.

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Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3C1401 - * DEFAULT PREP *****

Matrix Spike (P3C1401-MS1)	Source: 3C14001-01			Prepared & Analyzed: 03/14/23						
Benzene	0.0674	0.00105	mg/kg dry	0.105	ND	64.0	80-120			QM-05
Toluene	0.0623	0.00105	"	0.105	ND	59.2	80-120			QM-05
Ethylbenzene	0.0606	0.00105	"	0.105	ND	57.6	80-120			QM-05
Xylene (p/m)	0.108	0.00211	"	0.211	ND	51.2	80-120			QM-05
Xylene (o)	0.0566	0.00105	"	0.105	ND	53.7	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	0.139		"	0.126		110	80-120			
Surrogate: 1,4-Difluorobenzene	0.125		"	0.126		98.8	80-120			

Matrix Spike Dup (P3C1401-MSD1)	Source: 3C14001-01			Prepared & Analyzed: 03/14/23						
Benzene	0.0769	0.00105	mg/kg dry	0.105	ND	73.0	80-120	13.1	20	QM-05
Toluene	0.0714	0.00105	"	0.105	ND	67.9	80-120	13.6	20	QM-05
Ethylbenzene	0.0685	0.00105	"	0.105	ND	65.1	80-120	12.2	20	QM-05
Xylene (p/m)	0.122	0.00211	"	0.211	ND	58.2	80-120	12.8	20	QM-05
Xylene (o)	0.0642	0.00105	"	0.105	ND	60.9	80-120	12.6	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.139		"	0.126		110	80-120			
Surrogate: 1,4-Difluorobenzene	0.124		"	0.126		98.5	80-120			

Batch P3C1402 - * DEFAULT PREP *****

Blank (P3C1402-BLK1)	Prepared & Analyzed: 03/14/23									
Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Carmona Resources
 310 West W Wall Ste. 415
 Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
 Project Number: 1227
 Project Manager: Ashton Thielke

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3C1402 - * DEFAULT PREP *****

LCS (P3C1402-BS1)										
										Prepared & Analyzed: 03/14/23
Benzene	0.104	0.00100	mg/kg	0.100		104	80-120			
Toluene	0.100	0.00100	"	0.100		100	80-120			
Ethylbenzene	0.0963	0.00100	"	0.100		96.3	80-120			
Xylene (p/m)	0.174	0.00200	"	0.200		86.8	80-120			
Xylene (o)	0.0956	0.00100	"	0.100		95.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	80-120			

LCS Dup (P3C1402-BSD1)										
										Prepared & Analyzed: 03/14/23
Benzene	0.104	0.00100	mg/kg	0.100		104	80-120	0.384	20	
Toluene	0.0986	0.00100	"	0.100		98.6	80-120	1.66	20	
Ethylbenzene	0.0938	0.00100	"	0.100		93.8	80-120	2.63	20	
Xylene (p/m)	0.170	0.00200	"	0.200		85.1	80-120	1.95	20	
Xylene (o)	0.0937	0.00100	"	0.100		93.7	80-120	1.98	20	
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.3	80-120			
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		104	80-120			

Calibration Blank (P3C1402-CCB1)										
										Prepared & Analyzed: 03/14/23
Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		98.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.5	80-120			

Calibration Blank (P3C1402-CCB2)										
										Prepared: 03/14/23 Analyzed: 03/15/23
Benzene	0.00		ug/kg							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.5	80-120			

Permian Basin Environmental Lab, L.P.

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Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3C1402 - * DEFAULT PREP *****

Calibration Check (P3C1402-CCV1)

Prepared & Analyzed: 03/14/23

Benzene	0.100	0.00100	mg/kg	0.100		100	80-120			
Toluene	0.0956	0.00100	"	0.100		95.6	80-120			
Ethylbenzene	0.0968	0.00100	"	0.100		96.8	80-120			
Xylene (p/m)	0.168	0.00200	"	0.200		83.9	80-120			
Xylene (o)	0.0903	0.00100	"	0.100		90.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.7	75-125			
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	75-125			

Calibration Check (P3C1402-CCV2)

Prepared: 03/14/23 Analyzed: 03/15/23

Benzene	0.104	0.00100	mg/kg	0.100		104	80-120			
Toluene	0.0976	0.00100	"	0.100		97.6	80-120			
Ethylbenzene	0.0978	0.00100	"	0.100		97.8	80-120			
Xylene (p/m)	0.169	0.00200	"	0.200		84.5	80-120			
Xylene (o)	0.0920	0.00100	"	0.100		92.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.1	75-125			
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		104	75-125			

Calibration Check (P3C1402-CCV3)

Prepared: 03/14/23 Analyzed: 03/15/23

Benzene	0.103	0.00100	mg/kg	0.100		103	80-120			
Toluene	0.0986	0.00100	"	0.100		98.6	80-120			
Ethylbenzene	0.0996	0.00100	"	0.100		99.6	80-120			
Xylene (p/m)	0.171	0.00200	"	0.200		85.5	80-120			
Xylene (o)	0.0929	0.00100	"	0.100		92.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.6	75-125			
Surrogate: 4-Bromofluorobenzene	0.128		"	0.120		106	75-125			

Matrix Spike (P3C1402-MS1)

Source: 3C14001-28

Prepared: 03/14/23 Analyzed: 03/15/23

Benzene	0.0848	0.00104	mg/kg dry	0.104	ND	81.4	80-120			
Toluene	0.0779	0.00104	"	0.104	ND	74.8	80-120			QM-05
Ethylbenzene	0.0624	0.00104	"	0.104	ND	59.9	80-120			QM-05
Xylene (p/m)	0.128	0.00208	"	0.208	ND	61.3	80-120			QM-05
Xylene (o)	0.0696	0.00104	"	0.104	ND	66.8	80-120			QM-05
Surrogate: 1,4-Difluorobenzene	0.124		"	0.125		98.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.139		"	0.125		111	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Carmona Resources
 310 West W Wall Ste. 415
 Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
 Project Number: 1227
 Project Manager: Ashton Thielke

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3C1402 - * DEFAULT PREP *****

Matrix Spike Dup (P3C1402-MSD1)	Source: 3C14001-28			Prepared: 03/14/23 Analyzed: 03/15/23						
Benzene	0.0640	0.00104	mg/kg dry	0.104	ND	61.4	80-120	28.0	20	QM-05
Toluene	0.0574	0.00104	"	0.104	ND	55.1	80-120	30.3	20	QM-05
Ethylbenzene	0.0433	0.00104	"	0.104	ND	41.6	80-120	36.0	20	QM-05
Xylene (p/m)	0.0919	0.00208	"	0.208	ND	44.1	80-120	32.6	20	QM-05
Xylene (o)	0.0509	0.00104	"	0.104	ND	48.9	80-120	31.0	20	QM-05
Surrogate: 1,4-Difluorobenzene	0.124		"	0.125		99.1	80-120			
Surrogate: 4-Bromofluorobenzene	0.137		"	0.125		109	80-120			

Permian Basin Environmental Lab, L.P.

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Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3C1405 - TX 1005										
Blank (P3C1405-BLK1)										
Prepared: 03/14/23 Analyzed: 03/15/23										
C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	104		"	100		104	70-130			
Surrogate: o-Terphenyl	60.3		"	50.0		121	70-130			
LCS (P3C1405-BS1)										
Prepared: 03/14/23 Analyzed: 03/15/23										
C6-C12	996	25.0	mg/kg	1000		99.6	75-125			
>C12-C28	1040	25.0	"	1000		104	75-125			
Surrogate: 1-Chlorooctane	106		"	100		106	70-130			
Surrogate: o-Terphenyl	57.9		"	50.0		116	70-130			
LCS Dup (P3C1405-BSD1)										
Prepared: 03/14/23 Analyzed: 03/15/23										
C6-C12	990	25.0	mg/kg	1000		99.0	75-125	0.593	20	
>C12-C28	1050	25.0	"	1000		105	75-125	1.09	20	
Surrogate: 1-Chlorooctane	109		"	100		109	70-130			
Surrogate: o-Terphenyl	61.0		"	50.0		122	70-130			
Calibration Check (P3C1405-CCV1)										
Prepared: 03/14/23 Analyzed: 03/15/23										
C6-C12	502	25.0	mg/kg	500		100	85-115			
>C12-C28	439	25.0	"	500		87.8	85-115			
Surrogate: 1-Chlorooctane	125		"	100		125	70-130			
Surrogate: o-Terphenyl	63.3		"	50.0		127	70-130			
Calibration Check (P3C1405-CCV2)										
Prepared: 03/14/23 Analyzed: 03/15/23										
C6-C12	515	25.0	mg/kg	500		103	85-115			
>C12-C28	527	25.0	"	500		105	85-115			
Surrogate: 1-Chlorooctane	122		"	100		122	70-130			
Surrogate: o-Terphenyl	58.9		"	50.0		118	70-130			

Permian Basin Environmental Lab, L.P.

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Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P3C1405 - TX 1005

Matrix Spike (P3C1405-MS1)

Source: 3C14001-20

Prepared: 03/14/23 Analyzed: 03/15/23

C6-C12	878	26.3	mg/kg dry	1050	24.9	81.1	75-125			
>C12-C28	1140	26.3	"	1050	12.7	108	75-125			
Surrogate: 1-Chlorooctane	127		"	105		120	70-130			
Surrogate: o-Terphenyl	59.9		"	52.6		114	70-130			

Matrix Spike Dup (P3C1405-MSD1)

Source: 3C14001-20

Prepared: 03/14/23 Analyzed: 03/15/23

C6-C12	877	26.3	mg/kg dry	1050	24.9	80.9	75-125	0.170	20	
>C12-C28	1140	26.3	"	1050	12.7	107	75-125	0.182	20	
Surrogate: 1-Chlorooctane	127		"	105		121	70-130			
Surrogate: o-Terphenyl	62.1		"	52.6		118	70-130			

Batch P3C1406 - TX 1005

Blank (P3C1406-BLK1)

Prepared & Analyzed: 03/14/23

C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	104		"	100		104	70-130			
Surrogate: o-Terphenyl	60.3		"	50.0		121	70-130			

LCS (P3C1406-BS1)

Prepared & Analyzed: 03/14/23

C6-C12	993	25.0	mg/kg	1000		99.3	75-125			
>C12-C28	1030	25.0	"	1000		103	75-125			
Surrogate: 1-Chlorooctane	109		"	100		109	70-130			
Surrogate: o-Terphenyl	58.5		"	50.0		117	70-130			

LCS Dup (P3C1406-BSD1)

Prepared & Analyzed: 03/14/23

C6-C12	1000	25.0	mg/kg	1000		100	75-125	0.762	20	
>C12-C28	1040	25.0	"	1000		104	75-125	0.497	20	
Surrogate: 1-Chlorooctane	108		"	100		108	70-130			
Surrogate: o-Terphenyl	58.1		"	50.0		116	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3C1406 - TX 1005										
Calibration Check (P3C1406-CCV1)				Prepared & Analyzed: 03/14/23						
C6-C12	521	25.0	mg/kg	500		104	85-115			
>C12-C28	453	25.0	"	500		90.7	85-115			
Surrogate: 1-Chlorooctane	127		"	100		127	70-130			
Surrogate: o-Terphenyl	64.5		"	50.0		129	70-130			
Calibration Check (P3C1406-CCV2)				Prepared & Analyzed: 03/14/23						
C6-C12	512	25.0	mg/kg	500		102	85-115			
>C12-C28	438	25.0	"	500		87.6	85-115			
Surrogate: 1-Chlorooctane	125		"	100		125	70-130			
Surrogate: o-Terphenyl	61.9		"	50.0		124	70-130			
Calibration Check (P3C1406-CCV3)				Prepared: 03/14/23 Analyzed: 03/15/23						
C6-C12	505	25.0	mg/kg	500		101	85-115			
>C12-C28	443	25.0	"	500		88.6	85-115			
Surrogate: 1-Chlorooctane	124		"	100		124	70-130			
Surrogate: o-Terphenyl	63.1		"	50.0		126	70-130			
Matrix Spike (P3C1406-MS1)				Source: 3C14001-28		Prepared: 03/14/23 Analyzed: 03/15/23				
C6-C12	884	26.0	mg/kg dry	1040	ND	84.8	75-125			
>C12-C28	946	26.0	"	1040	ND	90.8	75-125			
Surrogate: 1-Chlorooctane	119		"	104		114	70-130			
Surrogate: o-Terphenyl	53.0		"	52.1		102	70-130			
Matrix Spike Dup (P3C1406-MSD1)				Source: 3C14001-28		Prepared: 03/14/23 Analyzed: 03/15/23				
C6-C12	902	26.0	mg/kg dry	1040	ND	86.6	75-125	2.01	20	
>C12-C28	960	26.0	"	1040	ND	92.2	75-125	1.45	20	
Surrogate: 1-Chlorooctane	122		"	104		117	70-130			
Surrogate: o-Terphenyl	61.5		"	52.1		118	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3C1407 - *** DEFAULT PREP ***										
Blank (P3C1407-BLK1) Prepared & Analyzed: 03/14/23										
Chloride	ND	1.00	mg/kg							
LCS (P3C1407-BS1) Prepared & Analyzed: 03/14/23										
Chloride	21.0		mg/kg	20.0		105	90-110			
LCS Dup (P3C1407-BSD1) Prepared & Analyzed: 03/14/23										
Chloride	21.0		mg/kg	20.0		105	90-110	0.00476	10	
Calibration Check (P3C1407-CCV1) Prepared & Analyzed: 03/14/23										
Chloride	20.4		mg/kg	20.0		102	90-110			
Calibration Check (P3C1407-CCV2) Prepared & Analyzed: 03/14/23										
Chloride	20.9		mg/kg	20.0		104	90-110			
Calibration Check (P3C1407-CCV3) Prepared: 03/14/23 Analyzed: 03/15/23										
Chloride	20.9		mg/kg	20.0		105	90-110			
Matrix Spike (P3C1407-MS1) Source: 3C14001-01 Prepared & Analyzed: 03/14/23										
Chloride	14.7		mg/kg	5.00	11.1	73.0	80-120			QM-05
Matrix Spike (P3C1407-MS2) Source: 3C14001-11 Prepared & Analyzed: 03/14/23										
Chloride	13.7		mg/kg	5.00	8.74	98.5	80-120			
Matrix Spike Dup (P3C1407-MSD1) Source: 3C14001-01 Prepared & Analyzed: 03/14/23										
Chloride	15.3		mg/kg	5.00	11.1	83.9	80-120	3.65	20	
Matrix Spike Dup (P3C1407-MSD2) Source: 3C14001-11 Prepared & Analyzed: 03/14/23										
Chloride	14.1		mg/kg	5.00	8.74	107	80-120	3.11	20	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Carmona Resources
 310 West W Wall Ste. 415
 Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
 Project Number: 1227
 Project Manager: Ashton Thielke

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3C1408 - *** DEFAULT PREP ***										
Blank (P3C1408-BLK1) Prepared & Analyzed: 03/14/23										
Chloride	ND	1.00	mg/kg							
LCS (P3C1408-BS1) Prepared & Analyzed: 03/14/23										
Chloride	19.2		mg/kg	20.0		96.0	90-110			
LCS Dup (P3C1408-BSD1) Prepared & Analyzed: 03/14/23										
Chloride	19.2		mg/kg	20.0		96.1	90-110	0.156	10	
Calibration Check (P3C1408-CCV1) Prepared & Analyzed: 03/14/23										
Chloride	19.8		mg/kg	20.0		99.1	90-110			
Calibration Check (P3C1408-CCV2) Prepared & Analyzed: 03/14/23										
Chloride	19.3		mg/kg	20.0		96.5	90-110			
Matrix Spike (P3C1408-MS1) Source: 3C14001-21 Prepared & Analyzed: 03/14/23										
Chloride	13.2		mg/kg	5.00	9.26	78.4	80-120			QM-05
Matrix Spike (P3C1408-MS2) Source: 3C13004-01 Prepared & Analyzed: 03/14/23										
Chloride	250		mg/kg	50.0	192	116	80-120			
Matrix Spike Dup (P3C1408-MSD1) Source: 3C14001-21 Prepared & Analyzed: 03/14/23										
Chloride	13.6		mg/kg	5.00	9.26	86.1	80-120	2.85	20	
Matrix Spike Dup (P3C1408-MSD2) Source: 3C13004-01 Prepared & Analyzed: 03/14/23										
Chloride	248		mg/kg	50.0	192	111	80-120	1.05	20	
Batch P3C1607 - *** DEFAULT PREP ***										
Blank (P3C1607-BLK1) Prepared & Analyzed: 03/16/23										
% Moisture	ND	0.1	%							

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Carmona Resources
 310 West W Wall Ste. 415
 Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
 Project Number: 1227
 Project Manager: Ashton Thielke

**General Chemistry Parameters by EPA / Standard Methods - Quality Control
 Permian Basin Environmental Lab, L.P.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3C1607 - *** DEFAULT PREP ***										
Duplicate (P3C1607-DUP1)		Source: 3C14001-10			Prepared & Analyzed: 03/16/23					
% Moisture	3.0	0.1	%		5.0			50.0	20	R
Duplicate (P3C1607-DUP2)		Source: 3C14005-04			Prepared & Analyzed: 03/16/23					
% Moisture	ND	0.1	%		1.0			200	20	R
Duplicate (P3C1607-DUP3)		Source: 3C14006-04			Prepared & Analyzed: 03/16/23					
% Moisture	8.0	0.1	%		7.0			13.3	20	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

Notes and Definitions

- ROI Received on Ice
- R The RPD exceeded the method control limit. The individual analyte QA/QC recoveries, however, were within acceptance limits.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
- NPBEL C Chain of Custody was not generated at PBELAB
- BULK Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- LCS Laboratory Control Spike
- MS Matrix Spike
- Dup Duplicate

Report Approved By:  Date: 3/16/2023

Brent Barron, Laboratory Director/Technical Director

Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1227
Project Manager: Ashton Thielke

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Chain of Custody

Work Order No: 3014001

Page 1 of 1

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cinrax Energy
Address:	310 West Wall Ste. 500	Address:	600 N Marrenfield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-5347	Email:	laci.luig@coterra.com & ashton.thielke@coterra.com

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

Project Name:	Laguna Grande Unit 7 Row	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST		Preservative Codes
Project Number:	1227	Due Date:	24 HR					None: NO DI Water: H ₂ O
Project Location:	Eddy Co, NM	TAT starts the day received by the lab, if received by 4:30pm						Cool: Cool MeOH: Me
Sampler's Name:	KB							HCL: HC HNO ₃ : HN
PO #:								H ₂ SO ₄ : H ₂ NaOH: Na
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		H ₃ PO ₄ : HP
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	13					NaHSO ₄ : NABIS
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	NCL					Na ₂ S ₂ O ₃ : NaSO ₃
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature:	-2.0					Zn Acetate+NaOH: Zn
Total Containers:								NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
CS-8 (3.25')	3/13/2023		X		Comp	1	X	X	X		
CS-10 (3.25')	3/13/2023		X		Comp	1	X	X	X		
CS-11 (3.25')	3/13/2023		X		Comp	1	X	X	X		
CS-12 (3.25')	3/13/2023		X		Comp	1	X	X	X		
CS-13 (3.25')	3/13/2023		X		Comp	1	X	X	X		
CS-18 (3.25')	3/13/2023		X		Comp	1	X	X	X		
CS-19 (3.25')	3/13/2023		X		Comp	1	X	X	X		
CS-20 (3.25')	3/13/2023		X		Comp	1	X	X	X		
CS-23 (3.25')	3/13/2023		X		Comp	1	X	X	X		
CS-24 (3.25')	3/13/2023		X		Comp	1	X	X	X		

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time
<i>Carmona Resources</i>	3-14-23	<i>Carmona Resources</i>	8:59 3/14/23

Chain of Custody

Work Order No: 3014001

Page 2 of 3

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cinmarex Energy
Address:	310 West Wall Ste. 500	Address:	600 N Marnefield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-5347	Email:	laci.luig@coterra.com & ashton.thielke@coterra.com

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

Project Name:	Laguna Grande Unit 7 Row	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	
Project Number:	1227	Due Date:	24 HR		
Project Location:	Eddy Co. NM	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	KB	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	L3
PO #:		Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	NCF
SAMPLE RECEIPT		Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	-2.0
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Total Containers:		Corrected Temperature:	-2.0

ANALYSIS REQUEST	
Parameters	
BTEX 8021B	
TPH 8015M (GRO + DRO + MRO)	
Chloride 300.0	
PRESERVATIVE CODES	
None: NO	DI Water: H ₂ O
Cool: Cool	MeOH: Me
HCL: HC	HNO ₃ : HN
H ₂ SO ₄ : H ₂	NaOH: Na
H ₃ PO ₄ : HP	
NaHSO ₄ : NABIS	
Na ₂ S ₂ O ₃ : NaSO ₃	
Zn Acetate+NaOH: Zn	
NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST	Preservative Codes
CS-26 (3.25)	3/13/2023		X		Comp	1	X	
CS-27 (3.25)	3/13/2023		X		Comp	1	X	
CS-28 (3.25)	3/13/2023		X		Comp	1	X	
CS-30 (3.25)	3/13/2023		X		Comp	1	X	
CS-31 (3.25)	3/13/2023		X		Comp	1	X	
CS-33 (3.25)	3/13/2023		X		Comp	1	X	
CS-34 (3.25)	3/13/2023		X		Comp	1	X	
CS-36 (3.25)	3/13/2023		X		Comp	1	X	
SW-1 (8')	3/13/2023		X		Comp	1	X	
SW-2 (8')	3/13/2023		X		Comp	1	X	

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Ashton Thielke</i>	<i>Ashton Thielke</i>	3-14-23 8:59			

Chain of Custody

Work Order No: 3014001

Page 3 of 3

Project Manager:	Ashton Thielke	Bill to: (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 West Wall Ste. 500	Address:	600 N Marnefield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-5347	Email:	laci.luig@coterra.com & ashton.thielke@coterra.com

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

Project Name:	Laguna Grande Unit 7 Row	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST						Preservative Codes	
Project Number:	1227	Due Date:	24 HR		None: NO						DI Water: H ₂ O	
Project Location:	Eddy Co. NM	TAT starts the day received by the lab, if received by 4:30pm			Cool: Cool						MeOH: Me	
Sampler's Name:	KB				HCL: HC						HNO ₃ : HN	
PO #:					H ₂ SO ₄ : H ₂						NaOH: Na	
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	H ₃ PO ₄ : HP						
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	NCF			NaHSO ₄ : NABIS						
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	-2.0			Na ₂ S ₂ O ₃ : NaSO ₃						
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	-2.0			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
SW-4 (8)	3/13/2023		X		Comp	1	BTEX 8021B	
SW-5 (8)	3/13/2023		X		Comp	1	TPH 8015M (GRO + DRO + MRO)	
SW-14 (3)	3/13/2023		X		Comp	1	Chloride 300.0	
SW-17 (3)	3/13/2023		X		Comp	1		
SW-19 (3)	3/13/2023		X		Comp	1		
SW-20 (3)	3/13/2023		X		Comp	1		
SW-21 (3)	3/13/2023		X		Comp	1		
SW-32 (3)	3/13/2023		X		Comp	1		

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Anna</i>	<i>Anna</i>	3-14-23 8:59			

Revised Date 05/01/2020 Rev. 2020.1

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 201106

CONDITIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd, Ste 300N Midland, TX 79706	OGRID: 162683
	Action Number: 201106
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	8/4/2023