



SITE INFORMATION

Deferment Report
Laguna Grande Unit 7H
Eddy County, New Mexico
Unit A Sec 33 T23S R29E
Incident #: NAPP2206969867
32.267769°, -103.984971°

Produced Water Release
Point of Release: Small hole in a fiber spar line
Volume Released: 10 Barrels of Produced Water
Volume Recovered: 0 Barrels of Produced Water

CARMONA RESOURCES

Prepared for:
Cimarex Energy Co. of Colorado
6001 Deauville Blvd
Suite 300N
Midland, Texas 79706



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

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



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October 6, 2023

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

**Re: Deferment Report
Laguna Grande Unit 7H
Cimarex Energy Co. of Colorado
Incident ID NAPP2206969867
Site Location: Unit A, S33, T23S, R29E
(Lat 32.267769°, Long -103.984971°)
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 Laguna Grande Unit 7H. The site is located at 32.267769°, -103.984971° within Unit A, S33, T23S, and 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 release was discovered on March 9, 2022, due to a small hole in the fiber spar line. It resulted in approximately ten (10) barrels of produced water and zero (0) barrels of produced water being recovered. See Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a 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 closest well is located approximately 0.81 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 the ground surface (ft bgs). A copy of the associated summary report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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



4.0 Site Assessment Activities

Initial Assessment

On March 16, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. Six (6) sample points were advanced to depths ranging from the surface to 3" bgs inside and surrounding the release area to assess the vertical and horizontal extent. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. See Table 1 for the analytical results.

Trenching Activities

On May 11, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. To assess the vertical extent, two (2) trenches were advanced to depths ranging from the surface to 9' bgs inside the release area. The release was not vertically defined due to a dense geological formation. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Permian Basin Environmental Lab in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. See Table 1 for the analytical results.

Drilling Activities

On June 15, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. One (1) borehole was advanced to depths ranging from the surface to 20.0' bgs inside the release area to assess the vertical extent. The release was not vertically defined due to a dense geological formation. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

The results of the sampling are summarized in Table 1. See Figure 3 for the sample locations.

5.0 Remediation Activities

Carmona Resources personnel were to collect confirmation samples. Cimarex excavated the impacted soils to the maximum extent possible, and a dense geological formation was encountered at 16.5' (bgs). The equipment could not break through, and samples were collected via track hoe. Cimarex could not safely get a hydro-vac or a drill rig into the 16.5' (bgs)



excavation due to being unable to properly and safely bench the excavation due to the buried lines in close proximity. Before collecting composite confirmation samples, the NMOCD division office was notified via email on April 3, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The areas of S-1 and H-2 were excavated to a depth of 16.5' bgs. A total of nine (9) confirmation floor samples (CS-1 through CS-9) and twenty-eight (28) sidewall samples (SW-1 through SW-28) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA Method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

All final confirmation samples were below the regulatory requirements for TPH, BTEX, and chloride, except for SW-8 through SW-18, which will be deferred. Refer to Table 2.

Deferment Area

A 2' buffer zone on each side of Oxy's buried flowlines will be deferred until the infrastructure is removed or replaced. The areas of SW-8 through SW-18 outlines the extent of impact left in place that surrounds Oxy's buried flowlines. The material was left in place due to Oxy's request. Refer to Table 2, Figure 4 (Facility Equipment), and Appendix C for Oxy email correspondence.

Approximately 780 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Conclusions

Based on the area, safety, and active facility equipment, Cimarex requests to defer the chloride impact surrounding the buried oxy flowlines until the infrastructure is removed or replaced. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

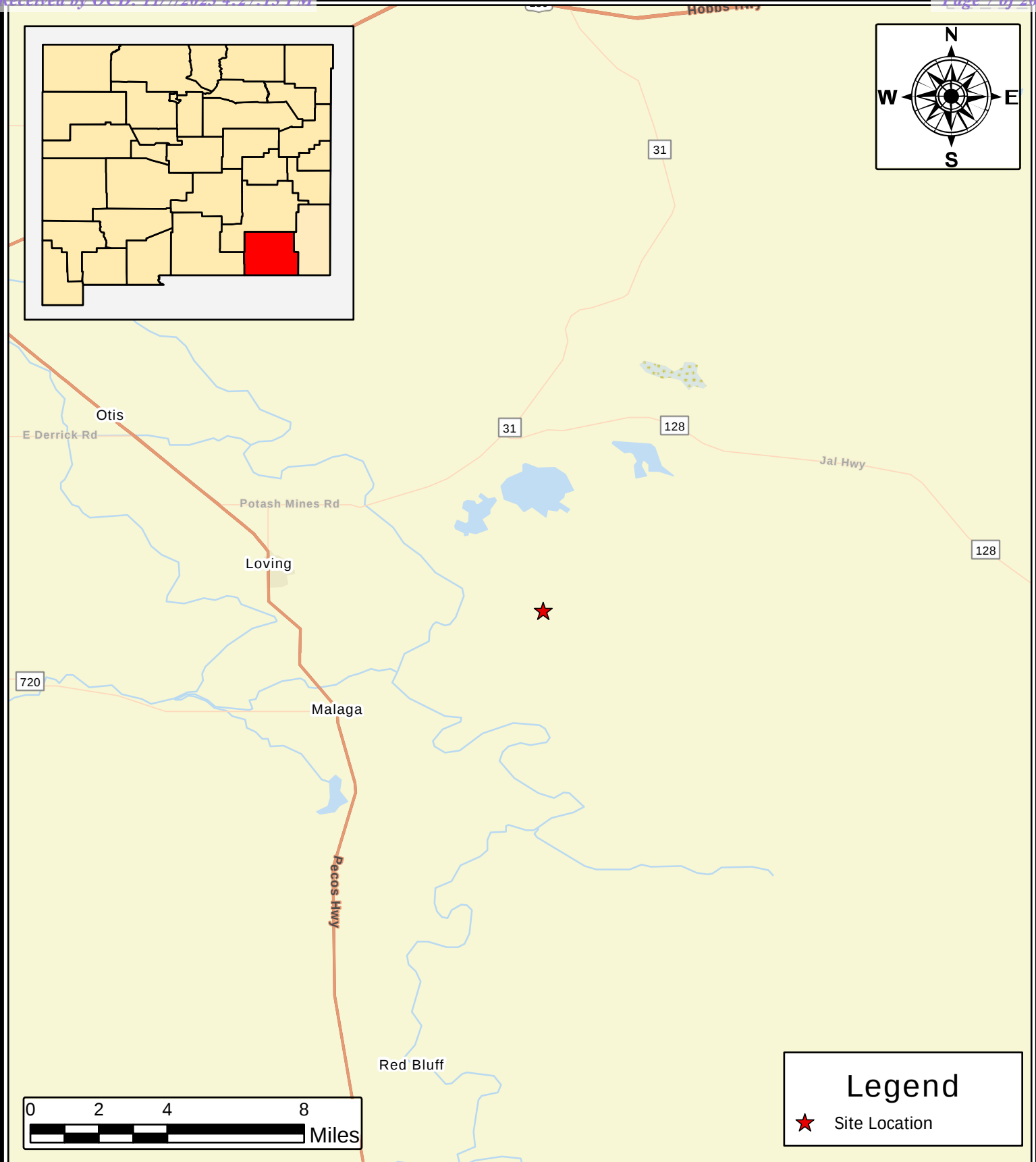
Ashton Thielke
Sr. Project Manager

Conner Moehring
Sr. Project Manager

FIGURES

CARMONA RESOURCES



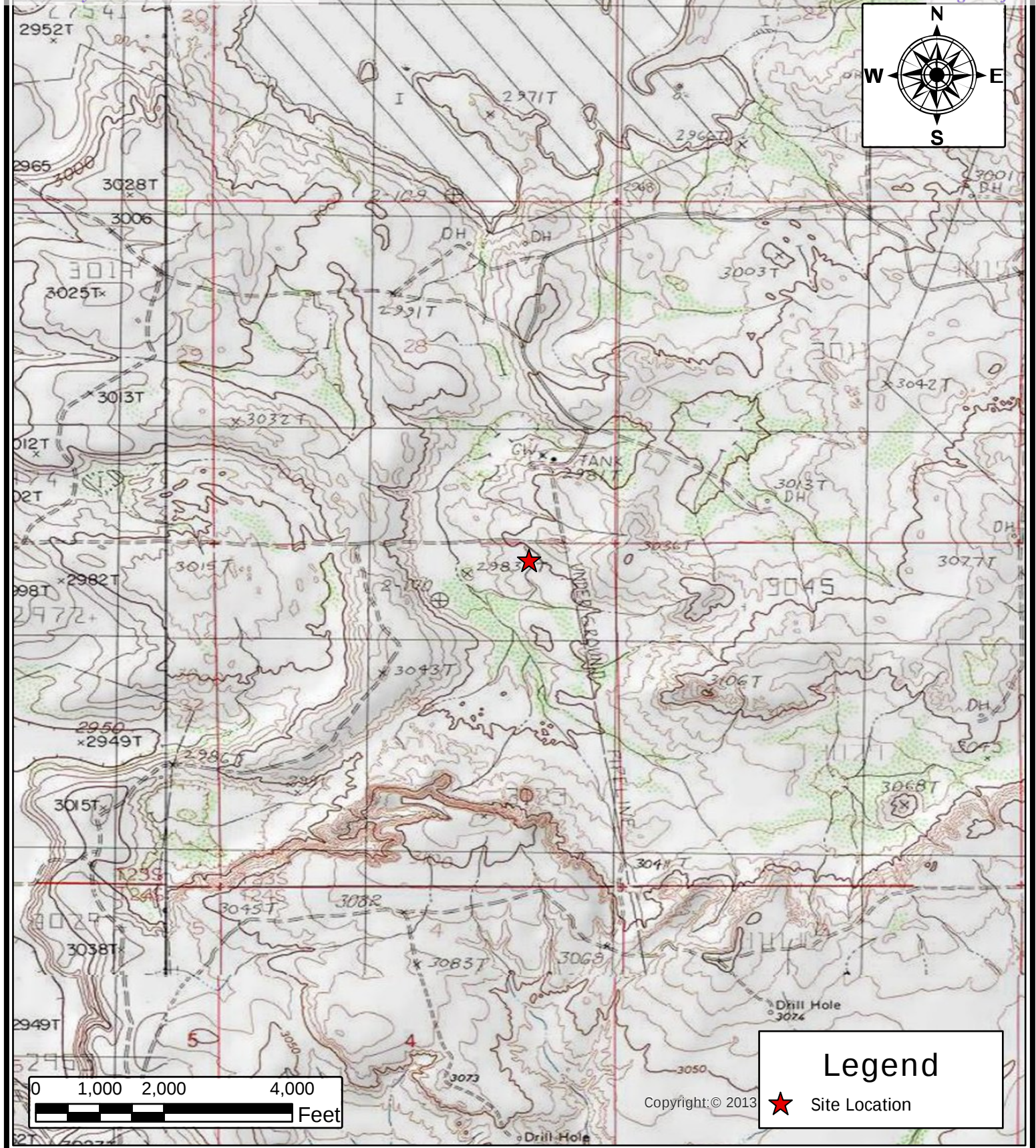


OVERVIEW MAP CIMAREX ENERGY CO. OF COLORADO LAGUNA GRANDE UNIT 7H EDDY COUNTY, NEW MEXICO 32.267769, -103.984971	
SCALE: As Shown	Date: 4/12/2023


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 1
SHEET NUMBER: 1 of 1



TOPOGRAPHIC MAP
CIMAREX ENERGY CO. OF COLORADO
LAGUNA GRANDE UNIT 7H
EDDY COUNTY, NEW MEXICO
32.267769, -103.984971

SCALE: As Shown Date: 4/12/2023

CARMONA RESOURCES

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

NOTES:

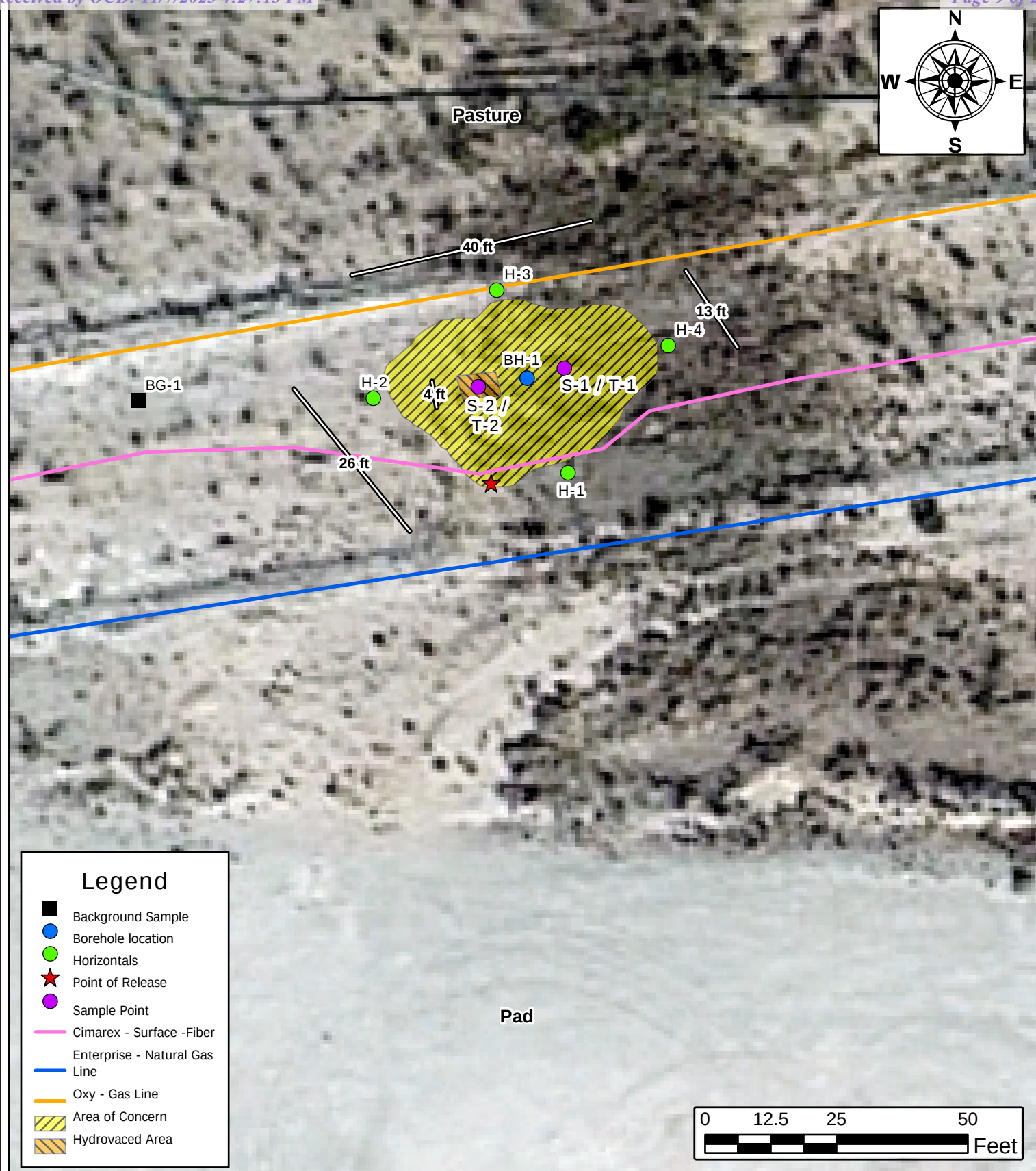
1. Base Image: ESRI Maps & Data 2023
2. Map Projection: WGS84

DRAWING NUMBER:

FIGURE 2

SHEET NUMBER:

1 of 1



SAMPLE LOCATION MAP
CIMAREX ENERGY CO. OF COLORADO
 LAGUNA GRANDE UNIT 7H
 EDDY COUNTY, NEW MEXICO
 32.267769, -103.984971

SCALE: As Shown

Date: 4/17/2023



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

NOTES:

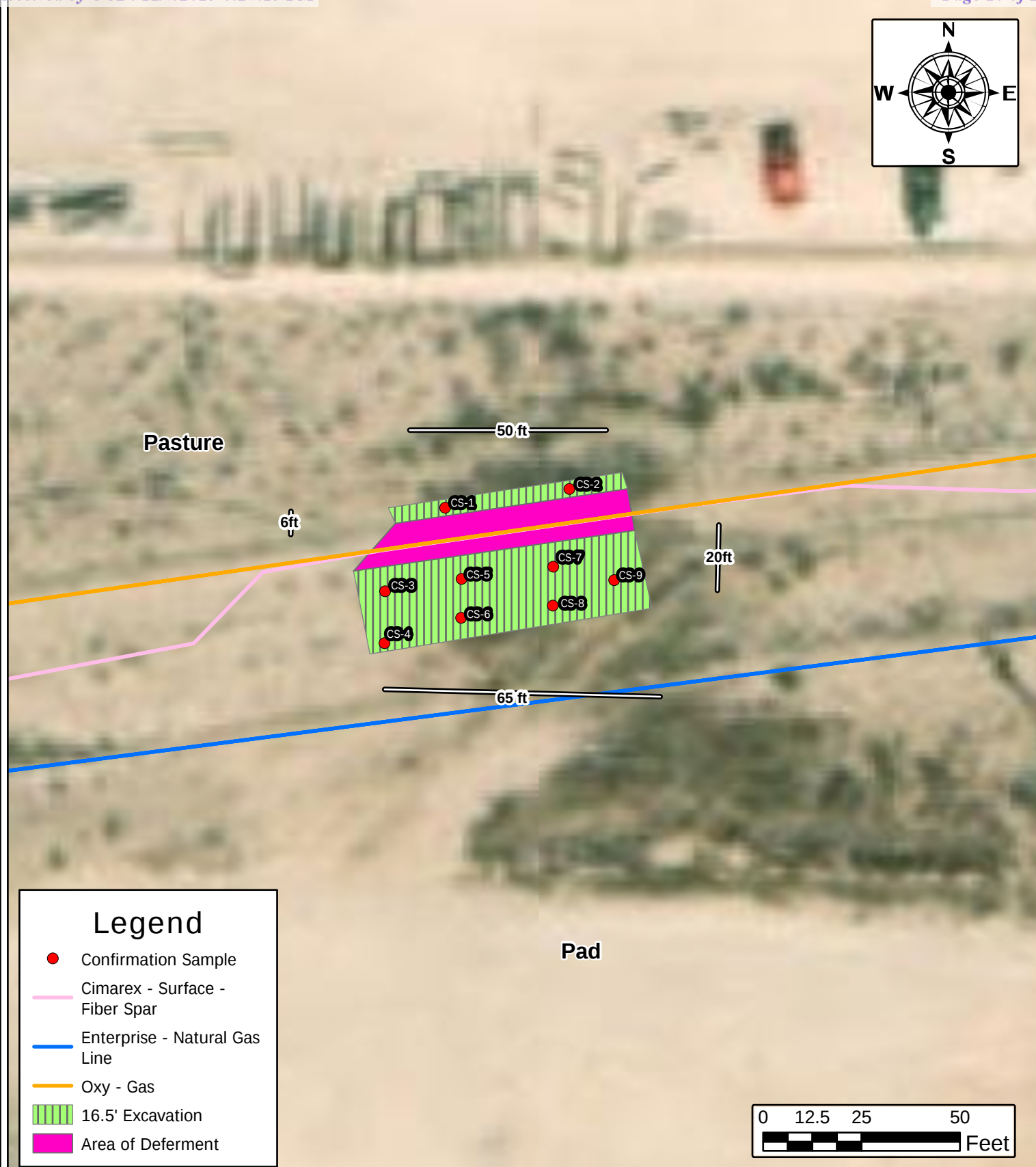
1. Base Image: ESRI Maps & Data 2023
2. Map Projection: WGS84

DRAWING NUMBER:

FIGURE 3

SHEET NUMBER:

1 of 1



EXCAVATION DEPTH MAP
CIMAREX ENERGY CO. OF COLORADO
 LAGUNA GRANDE UNIT 7H
 EDDY COUNTY, NEW MEXICO
 32.267769, -103.984971

SCALE: As Shown

Date: 4/14/2023



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

NOTES:

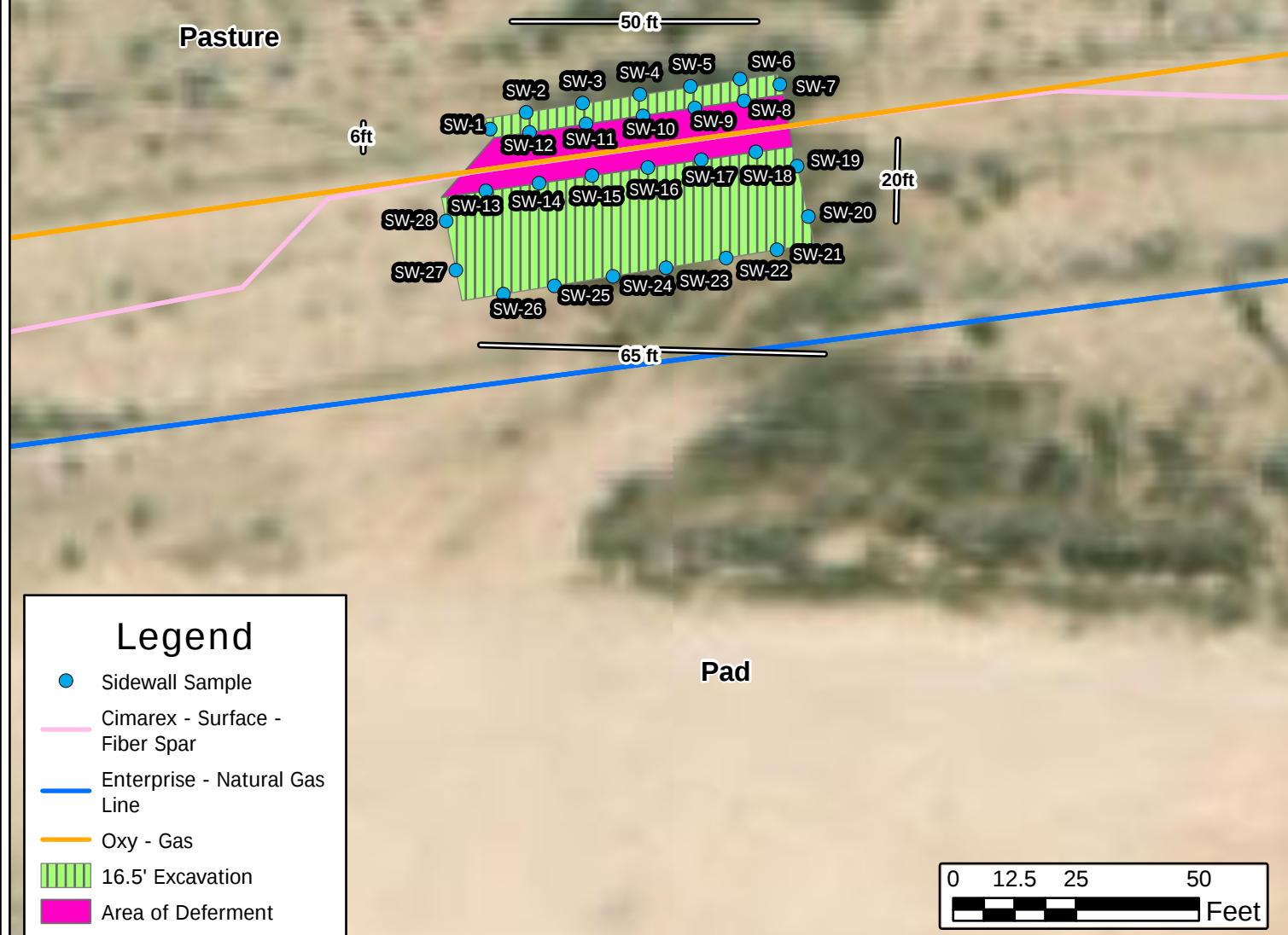
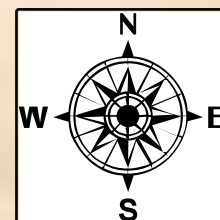
1. Base Image: ESRI Maps & Data 2023
2. Map Projection: WGS84

DRAWING NUMBER:

FIGURE 4A

SHEET NUMBER:

1 of 2



EXCAVATION DEPTH MAP
CIMAREX ENERGY CO. OF COLORADO
 LAGUNA GRANDE UNIT 7H
 EDDY COUNTY, NEW MEXICO
 32.267769, -103.984971

SCALE: As Shown

Date: 4/14/2023



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 4B

SHEET NUMBER:

2 of 2

APPENDIX A

CARMONA RESOURCES



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

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	3/16/2022	0-0.25	<49.8	<49.8	<49.8	<49.8	<0.00201	0.00232	<0.00201	0.00834	0.0107	19,600
T-1	5/11/2022	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	10,600
	"	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	10,400
	"	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	10,700
	"	3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	10,400
	"	4.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	7,420
	"	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	10,800
	"	6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	10,400
	"	7.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	11,400
	"	8.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	6,400
"	9.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	7,080	
BH-1	6/15/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	10,200
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	7,190
	"	3.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6,540
	"	4.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6,410
	"	5.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	8,100
	"	6.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	4,870
	"	7.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	8,220
	"	8.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	5,510
	"	9.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	7,890
	"	10.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	2,750
	"	11.0	87.4	<49.9	<49.9	87.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6,390
	"	12.0	108	<50.0	<50.0	108	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6,990
	"	13.0	108	<49.9	<49.9	108	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	1,910
	"	14.0	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	2,800
	"	15.0	67.0	<49.9	<49.9	67.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	4,310
	"	16.0	103	<50.0	<50.0	103	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,790
	"	17.0	98.6	<50.0	<50.0	98.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6,330
	"	18.0	68.9	<49.9	<49.9	68.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	5,040
	"	19.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	3,840
	"	20.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	3,750
Regulatory Criteria ^A						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

ND - Non Detect

(S) Sample Point

(T) Trench

(BH) Borehole

Dense Geological Formation

Removed

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

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-2	3/16/2022	0-0.25	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	12,500
T-2	5/11/2022	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	8,780
	"	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	6,330
	"	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	4,980
	"	3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	7,260
	"	4.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	6,660
	"	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	9,490
	"	6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	9,930
	"	7.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	12,200
	"	8.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	11,300
H-1	3/16/2022	0-0.25	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	231
H-2	3/16/2022	0-0.25	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	83.1
H-3	3/16/2022	0-0.25	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	30.8
H-4	3/16/2022	0-0.25	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	39.1
Background	5/11/2022	0-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	99.0
BG-1	6/15/2022	0-1	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,220
	"	5.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	93.6
	"	10.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	511
	"	15.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	433
	"	20.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	57.5
Regulatory Criteria^A						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

ND - Non Detect

(S) Sample Point

(H) Horizontal

(T) Trench

(BG) Background

 Removed

Table 2
Cimarex
Laguna Grande Unit 7H
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	4/6/2023	16.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-2	4/6/2023	16.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
CS-3	4/6/2023	16.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
CS-4	4/6/2023	16.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-5	4/6/2023	16.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
CS-6	4/6/2023	16.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
CS-7	4/6/2023	16.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-8	4/6/2023	16.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
CS-9	4/6/2023	16.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
Regulatory Criteria ^A						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Sample

Table 2
Cimarex
Laguna Grande Unit 7H
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	4/6/2023	16.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
SW-2	4/6/2023	16.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
SW-3	4/6/2023	16.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
SW-4	4/6/2023	16.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-5	4/6/2023	16.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	400
SW-6	4/6/2023	16.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-7	4/6/2023	16.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-8	4/6/2023	16.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	9,860
SW-9	4/6/2023	16.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	11,200
SW-10	4/6/2023	16.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	7,600
SW-11	4/6/2023	16.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	7,730
SW-12	4/6/2023	16.5'	<10.0	10.1	<10.0	10.1	<0.050	<0.050	<0.050	<0.150	<0.300	8,800
SW-13	4/6/2023	16.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	10,200
SW-14	4/6/2023	16.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	10,400
SW-15	4/6/2023	16.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	8,930
SW-16	4/6/2023	16.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,930
SW-17	4/6/2023	16.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	7,060
SW-18	4/6/2023	16.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	8,660
SW-19	4/6/2023	16.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
SW-20	4/6/2023	16.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
SW-21	4/6/2023	16.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	416
SW-22	4/6/2023	16.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
SW-23	4/6/2023	16.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
SW-24	4/6/2023	16.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-25	4/6/2023	16.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-26	4/6/2023	16.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-27	4/6/2023	16.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	368
SW-28	4/6/2023	16.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	432
Regulatory Criteria ^A						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(SW) Sidewall Sample

 Exceeds/Deferred

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Cimarex

Photograph No. 1

Facility: Laguna Grande Unit 7H

County: Eddy County, New Mexico

Description:

View East, area of sample point (S-1 and S-2).



Photograph No. 2

Facility: Laguna Grande Unit 7H

County: Eddy County, New Mexico

Description:

View West, area of sample point (S-1 and S-2).



Photograph No. 3

Facility: Laguna Grande Unit 7H

County: Eddy County, New Mexico

Description:

View Southwest, area of sample point (S-1 and S-2).



PHOTOGRAPHIC LOG

Cimarex

Photograph No. 4

Facility: Laguna Grande Unit 7H

County: Eddy County, New Mexico

Description:

View Southwest, area of test trench (T-1).



Photograph No. 5

Facility: Laguna Grande Unit 7H

County: Eddy County, New Mexico

Description:

View Southeast, area of test trench (T-2).



Photograph No. 6

Facility: Laguna Grande Unit 7H

County: Eddy County, New Mexico

Description:

View Northeast, area of bore hole (BH-1).



PHOTOGRAPHIC LOG

Cimarex

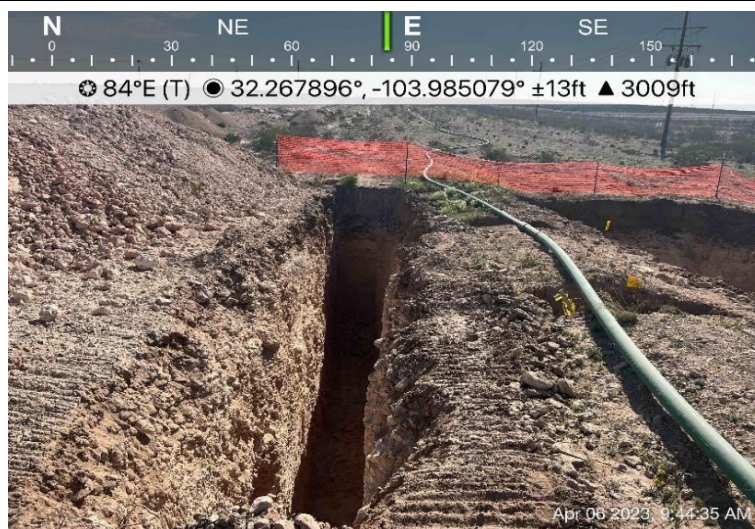
Photograph No. 7

Facility: Laguna Grande Unit 7H

County: Eddy County, New Mexico

Description:

View East, area of confirmation samples (CS-1 through CS-2) along with the area of deferment.



Photograph No. 8

Facility: Laguna Grande Unit 7H

County: Eddy County, New Mexico

Description:

View West, area of confirmation samples (CS-1 through CS-2) along with the area of deferment.



Photograph No. 9

Facility: Laguna Grande Unit 7H

County: Eddy County, New Mexico

Description:

View East, area of confirmation samples (CS-3 through CS-9).



PHOTOGRAPHIC LOG

Cimarex

Photograph No. 10

Facility: Laguna Grande Unit 7H

County: Eddy County, New Mexico

Description:

View East, overview of the the excavation and deferment area.



APPENDIX C

CARMONA RESOURCES



District I
1625 N. French Dr., Hobbs, NM 88240

District II
811 S. First St., Artesia, NM 88210

District III
1000 Rio Brazos Road, Aztec, NM 87410

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

Incident ID	nAPP2206969867
District RP	
Facility ID	fAPP2130652784
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) nAPP2206969867
Contact mailing address: 600 N Marienfeld Street, Ste. 600 Midland, TX 79701	

Location of Release Source

Latitude 32.267769 _____ Longitude -103.984971 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Laguna Grande Unit 7H	Site Type: Right-of-way
Date Release Discovered: 3/9/2022	API# (if applicable)

Unit Letter	Section	Township	Range	County
A	33	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)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 10	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Equipment Failure

The Fiber Spar line developed a small hole and leaked produced water onto the right of way releasing 10 barrels produced water. A hydrovac truck was called to location to remove impacted soils. An environmental company will assess and sample to ensure impact has been removed.

Initial Response

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

Released to Imaging: 1/22/2024 11:47:34 AM

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: *Dac. LQ* Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2206969867
District RP	
Facility ID	fAPP2130652784
Application ID	

Remediation Plan

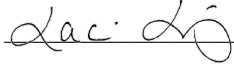
Remediation Plan Checklist: Each of the following items must be included in the plan.

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

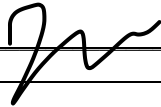
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public 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: 10/13/2022
email: laci.luig@coterra.com Telephone: (432) 208-3035

OCD Only

Received by: Jocelyn Harimon Date: 10/26/2022

☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature:  Date: 01/25/2023

The Workplan/Remediation Plan is approved with the following conditions: Please make sure the edges/sidewalls and floor closure samples are delineated/excavated to meet closure criteria standards for proven depth to water determination. All off pad areas must contain a minimum of 4 feet non-waste containing uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and TPH less than 100 mg/kg. Closure confirmation samples should be conducted every 200 ft². C-141 closure report must be submitted w/in 90 days of remediation plan approval. If rock refusal interferes with the remediation process, use a back-hoe/track-hoe to remove the rock. If the rock is immovable and target depth cannot be reached, use a hydrovac to clean the contaminated soil off the rock surface and outline specific locations and steps taken on the Closure Report. Use a rotary drill to drill 18"-24" hole into the rock, pull sample to ensure contaminants haven't permeated through the rock surface. Provide clean sample result in Soil Analytical Table. Back-fill with clean material.

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: *Lac. LQ* Date: _____
email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells Date: 11/8/2023

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: *Nelson Velez* Date: 01/22/2024

Ashton Thielke

From: Ashton Thielke
Sent: Tuesday, April 4, 2023 1:39 PM
To: Ashton Thielke
Subject: FW: [EXTERNAL] nAPP2206969867 Laguna Grande Unit 7 SWD ROW confirmation sample notification

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Tuesday, April 4, 2023 9:21 AM
To: Laci Luig <Laci.Luig@coterra.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>
Subject: RE: [EXTERNAL] nAPP2206969867 Laguna Grande Unit 7 SWD ROW confirmation sample 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.

Laci,

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>



From: Laci Luig <Laci.Luig@coterra.com>
Sent: Monday, April 3, 2023 1:08 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; BLM Spill Notifications <blm_nm_cfo_spill@blm.gov>
Cc: Ashton Thielke <Ashton.Thielke@coterra.com>; Mike Carmona <mcarmona@carmonaresources.com>; Conner Moehring <Cmoehring@carmonaresources.com>
Subject: [EXTERNAL] nAPP2206969867 Laguna Grande Unit 7 SWD ROW confirmation sample notification

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

Good afternoon,

This new email serves as 48 hour notification for confirmation sampling on the Laguna Grande Unit 7 SWD ROW. Sampling is scheduled to begin as early as 10:00am (MST) Thursday, April 6th, weather and soil conditions permitting. Carmona Resources will be on site to collect the confirmation samples.

Incident ID: nAPP2206969867

Coordinates: 32.267769, -103.984971

Thank you,



Laci Luig | Environmental, Health & Safety Specialist

T: 432.571.7810 | M: 432.208.3035 | laci.luig@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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This message may contain confidential and/or privileged information. If you are not the addressee or authorized to receive this for the addressee, you must not use, copy, disclose or take any action based on this message or any information herein. If you have received this message in error, please advise the sender immediately by reply e-mail and delete this message.

Ashton Thielke

From: Dittrich, John W <Wade_Dittrich@oxy.com>
Sent: Tuesday, October 3, 2023 10:37 AM
To: Laci Luig
Cc: Ashton Thielke
Subject: [EXTERNAL] Laguna Grande Unit 7 ROW Spill

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.

All,

After reviewing all documentation and conversations concerning the **Laguna Grande Unit 7 ROW Spill**(nAPP2206969867), **Oxy USA Inc.** is requesting that the affected material around our pipeline be left in place due to Safety concerns. All the maps that are provided in the Closure Documentation by Coterra show exactly what needs to be left in place and Oxy agrees with it. If there are any questions, please reach out.

Wade Dittrich
Environmental Advisor
New Mexico
575-390-2828 cell
Wade_Dittrich@Oxy.com

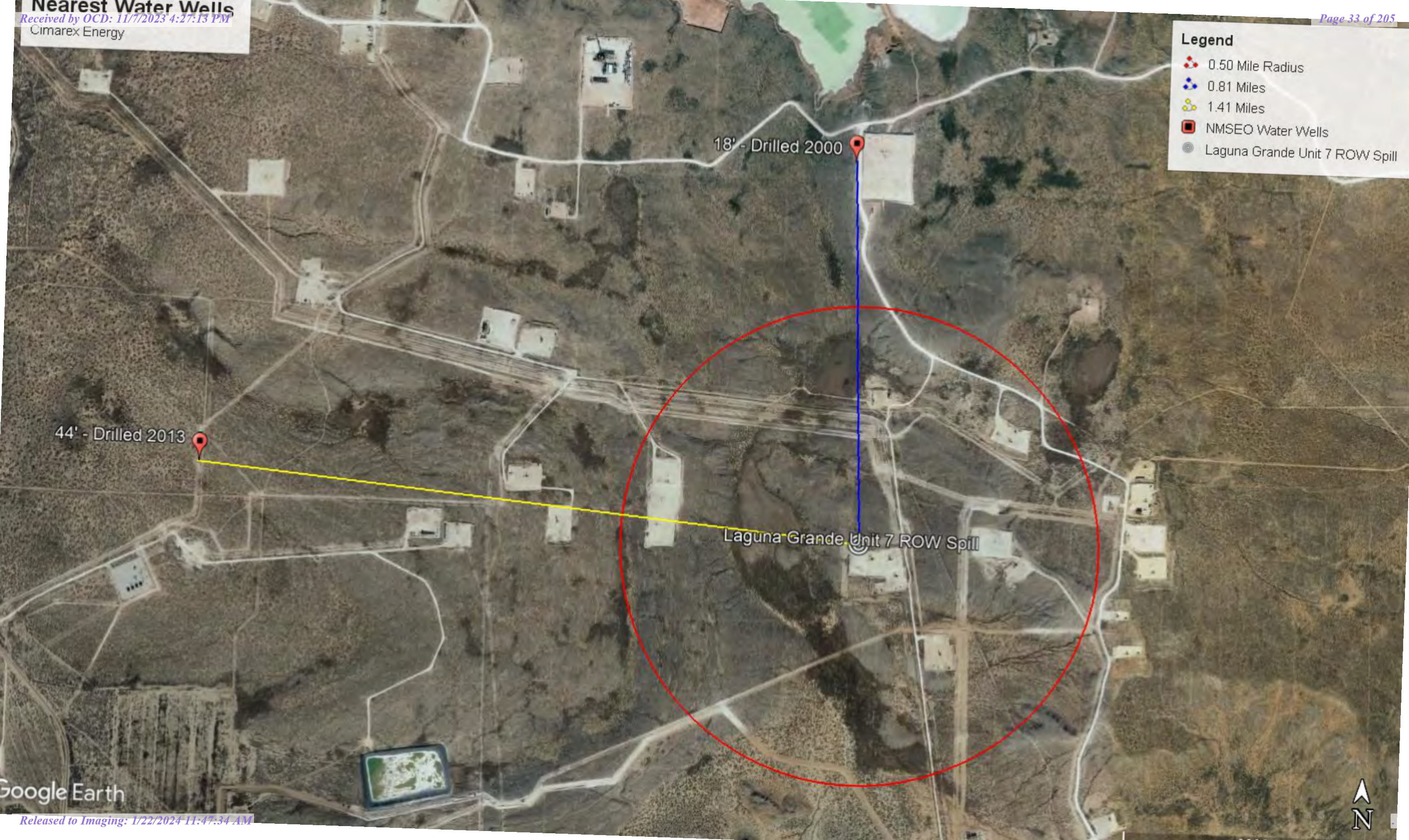
APPENDIX D

CARMONA RESOURCES



Legend

- 0.50 Mile Radius
- 0.81 Miles
- 1.41 Miles
- NMSEO Water Wells
- Laguna Grande Unit 7 ROW Spill



MEDIUM KARST

Cimarex Energy

Legend

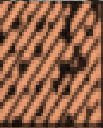
-  Laguna Grande Unit 7 ROW Spill
-  Medium

 Laguna Grande Unit 7 ROW Spill





Project Name :	<u>Laguna Grande Unit 7 ROW</u>	Date :	<u>Wednesday, June 15, 2022</u>
Project No. :	<u>1029</u>	Sampler :	<u>Lane Scarborough</u>
Location :	<u>Eddy County, New Mexico</u>	Driller :	<u>Scarborough Drilling</u>
Coordinates :	<u>32.267889°, -103.985113°</u>	Method :	<u>Air Rotary</u>
Elevation :	<u>3,004</u>		

Depth (ft.)	WL	Soil Description	Lithology	Depth (ft.)	WL	Soil Description	Lithology
0		(0') - Dark brown, loose sand with 50% medium well cemented gravel, dry, no odor, no organics (GW)		50			
5		(5') - Dark brown, loose sand with 50% medium well cemented gravel, dry, no odor, no organics (GW)		55			
10		(10') - White, loose, coarse sand, dry, no odor, no organics (GP)		60			
15		(15') - Red loose, sandy clay, dry, no odor, no organics (SC)		65			
20		(20') - Red loose, sandy clay, dry, no odor, no organics (SC)		70			
25				75			
30				80			
35				85			
40				90			
45				95			
50				105			

Comments : Boring terminated at 20' at 13:00 Mountain Time with no presence of groundwater or moisture. Groundwater imminent.



Project Name :	<u>Laguna Grande Unit 7 ROW</u>	Date :	<u>Wednesday, June 15, 2022</u>
Project No. :	<u>1029</u>	Sampler :	<u>Lane Scarborough</u>
Location :	<u>Eddy County, New Mexico</u>	Driller :	<u>Scarborough Drilling</u>
Coordinates :	<u>32.267828°, -103.985058°</u>	Method :	<u>Air Rotary</u>
Elevation :	<u>3,012</u>		

Depth (ft.)	WL	Soil Description	Lithology	Depth (ft.)	WL	Soil Description	Lithology
0		(0') - Dark brown, loose sand with 50% medium well cemented gravel, dry, no odor, no organics (GW)		50			
5		(5') - Dark brown, loose sand with 50% medium well cemented gravel, dry, no odor, no organics (GW)		55			
10		(10') - Dark brown, loose sand with 50% medium well cemented gravel, dry, no odor, no organics (GW)		60			
15		(15') - Dark brown, loose sand with 50% medium well cemented gravel, dry, no odor, no organics (GW)		65			
20		(20') - Dark brown, loose sand with 50% medium well cemented gravel, dry, no odor, no organics (GW)		70			
25				75			
30				80			
35				85			
40				90			
45				95			
50				105			

Comments : Boring terminated at 25' at 15:00 Mountain Time with no presence of groundwater or moisture.



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 00571		CUB	ED	1	3	3	30	23S	29E	591241	3570957*	90	38	52
C 00571 CLW241602	O	CUB	ED	3	3	3	30	23S	29E	591241	3570757*	89	38	51
C 01217 S		CUB	ED	4	1	4	16	23S	29E	595413	3574403*	350		
C 01627		C	ED	1	4	4	28	23S	29E	595649	3570959*	170		
C 02182		C	ED		4		30	23S	29E	592328	3571048*	75	30	45
C 02608		CUB	ED	3	1	4	17	23S	29E	593598	3574387*	400		
C 02613		CUB	ED	4	4	2	20	23S	29E	594203	3573176*	400		
C 02704		C	ED		1	19		23S	29E	591531	3573493*	174		
C 02705		C	ED		2	17		23S	29E	593902	3575093*	68	28	40
C 02706		C	ED		4	18		23S	29E	592302	3574291*	17	10	7
C 02707		C	ED		2	28		23S	29E	595535	3571868*	40	18	22
C 02715		CUB	ED	4	1	3	15	23S	29E	596221	3574411*	400		
C 02716		CUB	ED	4	4	4	16	23S	29E	595818	3574002*	400		
C 02717		CUB	ED	4	2	4	16	23S	29E	595817	3574407*	400		
C 02718		CUB	ED	4	4	2	16	23S	29E	595816	3574812*	400		
C 02720		CUB	ED		2	1	21	23S	29E	594911	3573690*	150		
C 02721		CUB	ED		2	3	21	23S	29E	594915	3572879*	150		
C 02792		CUB	ED		4	3	04	23S	29E	594868	3577336*	200		
C 02793		CUB	ED		4	3	04	23S	29E	594868	3577336*	100		
C 02794		CUB	ED		4	3	10	23S	29E	596518	3575731*	100		
C 02795		CUB	ED		4	3	10	23S	29E	596518	3575731*	200		
C 02797		CUB	ED		2	3	22	23S	29E	596540	3572895*	200		
C 02804		CUB	ED		2	1	08	23S	29E	593262	3576905*	100		
C 02805		CUB	ED		2	1	08	23S	29E	593262	3576905*	100		
C 02806		CUB	ED		1	1	09	23S	29E	594473	3576927*	100		
C 02807		CUB	ED		1	1	09	23S	29E	594473	3576927*	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					X	Y	Depth Well	Depth Water	Water Column		
				64	16	4	Sec	Tws						Rng	
C 02808	CUB	ED		2	3	16	23S	29E	594909	3574501*		100			
C 02809	CUB	ED		2	3	16	23S	29E	594909	3574501*		100			
C 03057 EXPLORE	CUB	ED		4	1	1	21	23S	29E	594605	3573586*		150		
C 03058 EXPLORE	CUB	ED		4	1	1	16	23S	29E	594605	3575206*		150		
C 03059 EXPLORE	CUB	ED		4	1	3	17	23S	29E	592993	3574378*			65	
C 03587 POD1	CUB	ED		1	4	3	29	23S	29E	593338	3570754		99	44	55
C 03587 POD2	CUB	ED		1	2	4	19	23S	29E	592213	3572706		77	16	61
C 04326 POD14	CUB	ED		4	2	3	23	23S	29E	598191	3572765		58	54	4
C 04326 POD16	CUB	ED		2	4	3	23	23S	29E	598209	3572664		64	54	10
C 04470 POD1	CUB	ED		3	1	3	07	23S	29E	591280	3576086				
C 04472 POD1	CUB	ED		2	2	4	13	23S	29E	600639	3574619			37	

Average Depth to Water: **36 feet**

Minimum Depth: **10 feet**

Maximum Depth: **65 feet**

Record Count: 37

PLSS Search:

Township: 23S

Range: 29E

*UTM location was derived from PLSS - see Help

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

3/15/22 10:46 AM

Page 2 of 2

WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tw	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.



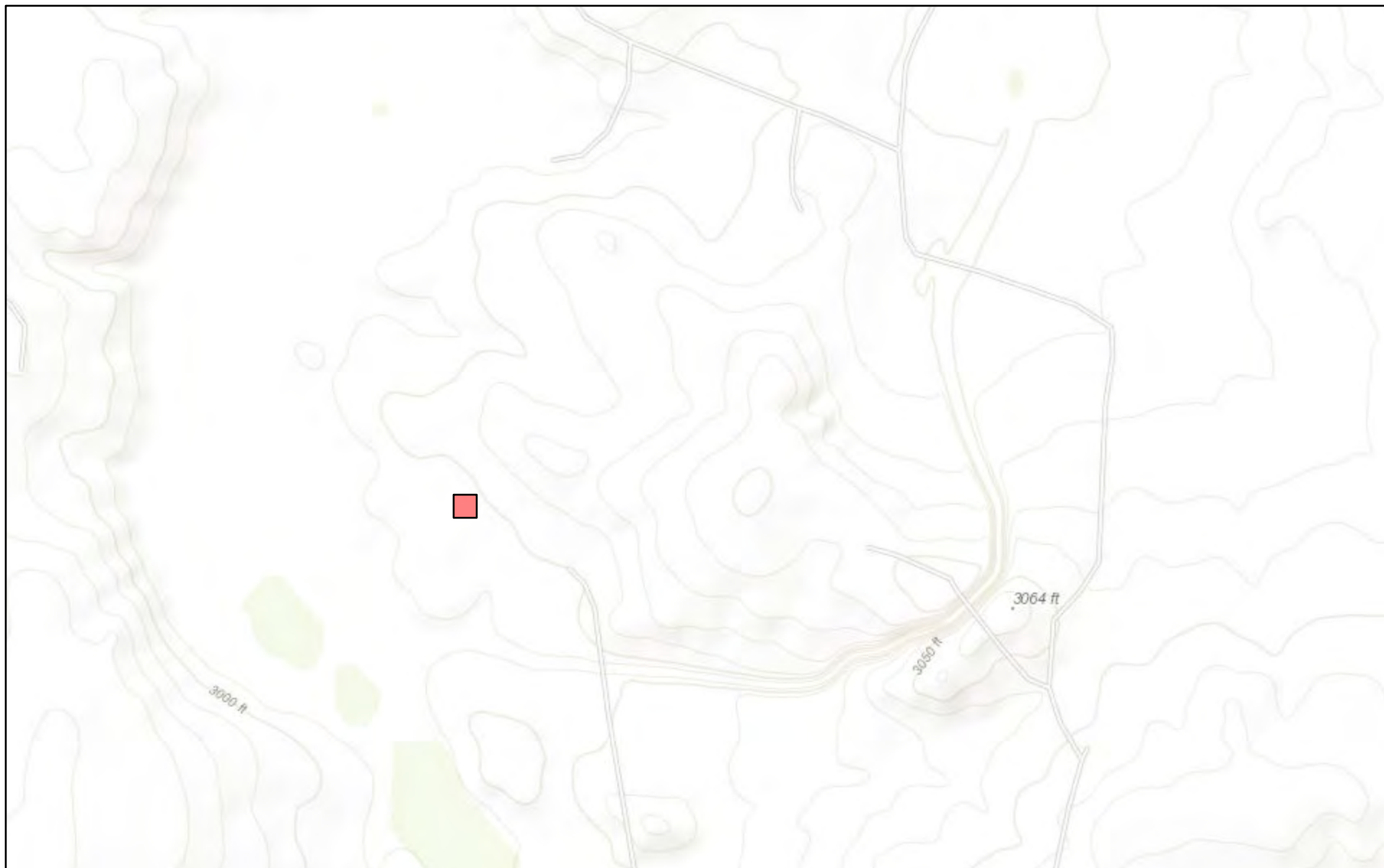
New Mexico Office of the State Engineer

Point of Diversion Summary

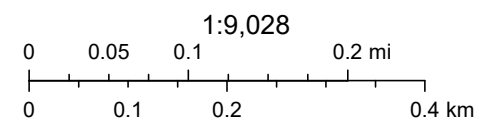
		(quarters are 1=NW 2=NE 3=SW 4=SE)						(quarters are smallest to largest)		(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tw	Rng	X	Y				
C	03587 POD1	1	4	3	29	23S	29E	593338	3570754				
Driller License:		1348		Driller Company:		TAYLOR WATER WELL SERVICE							
Driller Name:		TAYLOR, CLINTON E. (LD)											
Drill Start Date:		04/13/2013		Drill Finish Date:		04/14/2013		Plug Date:					
Log File Date:		05/07/2013		PCW Rev Date:				Source:		Shallow			
Pump Type:				Pipe Discharge Size:				Estimated Yield:		1 GPM			
Casing Size:		4.00		Depth Well:		99 feet		Depth Water:		44 feet			
Water Bearing Stratifications:				Top	Bottom	Description							
				98	99	Limestone/Dolomite/Chalk							
Casing Perforations:				Top	Bottom								
				89	99								

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 NFHL Data



March 15, 2022



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

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APPENDIX E

CARMONA RESOURCES





Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-12547-1

Laboratory Sample Delivery Group: Eddy Co, NM
Client Project/Site: Laguna Grande unit 7 ROW Spill

For:

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

Attn: Conner Moehring

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

Authorized for release by:
3/30/2022 4:42:41 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

LINKS

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results through
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Have a Question?



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www.eurofinsus.com/Env

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

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

Client: Carmona Resources
Project/Site: Laguna Grande unit 7 ROW Spill

Laboratory Job ID: 880-12547-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Laguna Grande unit 7 ROW Spill

Job ID: 880-12547-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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.
□	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 Spill

Job ID: 880-12547-1
SDG: Eddy Co, NM

Job ID: 880-12547-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-12547-1**

Receipt

The samples were received on 3/17/2022 1:11 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 4.4°C

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-21834 and analytical batch 880-21858 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-21849 and analytical batch 880-21864 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-21849/2-A), (LCSD 880-21849/3-A) and (MB 880-21849/1-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-22043 and analytical batch 880-22397 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 Spill

Job ID: 880-12547-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-12547-1

Date Collected: 03/16/22 00:00

Matrix: Solid

Date Received: 03/17/22 13:11

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/25/22 12:30	03/26/22 20:46	1
Toluene	0.00232		0.00201		mg/Kg		03/25/22 12:30	03/26/22 20:46	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/25/22 12:30	03/26/22 20:46	1
m-Xylene & p-Xylene	0.00613		0.00402		mg/Kg		03/25/22 12:30	03/26/22 20:46	1
o-Xylene	0.00221		0.00201		mg/Kg		03/25/22 12:30	03/26/22 20:46	1
Xylenes, Total	0.00834		0.00402		mg/Kg		03/25/22 12:30	03/26/22 20:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	280	S1+	70 - 130	03/25/22 12:30	03/26/22 20:46	1
1,4-Difluorobenzene (Surr)	276	S1+	70 - 130	03/25/22 12:30	03/26/22 20:46	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0107		0.00402		mg/Kg			03/28/22 13:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/21/22 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F1	49.8		mg/Kg		03/18/22 08:50	03/18/22 12:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U F1	49.8		mg/Kg		03/18/22 08:50	03/18/22 12:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/18/22 08:50	03/18/22 12:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				03/18/22 08:50	03/18/22 12:42	1
o-Terphenyl	122		70 - 130				03/18/22 08:50	03/18/22 12:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19600		250		mg/Kg			03/29/22 21:01	50

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

Lab Sample ID: 880-12547-2

Date Collected: 03/16/22 00:00

Matrix: Solid

Date Received: 03/17/22 13:11

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/25/22 12:30	03/26/22 21:07	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/25/22 12:30	03/26/22 21:07	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/25/22 12:30	03/26/22 21:07	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/25/22 12:30	03/26/22 21:07	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/25/22 12:30	03/26/22 21:07	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/25/22 12:30	03/26/22 21:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	03/25/22 12:30	03/26/22 21:07	1
1,4-Difluorobenzene (Surr)	109		70 - 130	03/25/22 12:30	03/26/22 21:07	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Laguna Grande unit 7 ROW Spill

Job ID: 880-12547-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-12547-2

Date Collected: 03/16/22 00:00

Matrix: Solid

Date Received: 03/17/22 13:11

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			03/28/22 13:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/21/22 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/18/22 08:50	03/18/22 13:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/18/22 08:50	03/18/22 13:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/18/22 08:50	03/18/22 13:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				03/18/22 08:50	03/18/22 13:44	1
o-Terphenyl	138	S1+	70 - 130				03/18/22 08:50	03/18/22 13:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12500		249		mg/Kg			03/30/22 13:03	50

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

Lab Sample ID: 880-12547-3

Date Collected: 03/16/22 00:00

Matrix: Solid

Date Received: 03/17/22 13:11

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/25/22 12:30	03/26/22 21:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/25/22 12:30	03/26/22 21:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/25/22 12:30	03/26/22 21:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/25/22 12:30	03/26/22 21:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/25/22 12:30	03/26/22 21:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/25/22 12:30	03/26/22 21:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				03/25/22 12:30	03/26/22 21:28	1
1,4-Difluorobenzene (Surr)	113		70 - 130				03/25/22 12:30	03/26/22 21:28	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/28/22 13:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/21/22 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/18/22 08:50	03/18/22 14:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/18/22 08:50	03/18/22 14:05	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Laguna Grande unit 7 ROW Spill

Job ID: 880-12547-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-12547-3

Date Collected: 03/16/22 00:00

Matrix: Solid

Date Received: 03/17/22 13:11

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/18/22 08:50	03/18/22 14:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				03/18/22 08:50	03/18/22 14:05	1
o-Terphenyl	115		70 - 130				03/18/22 08:50	03/18/22 14:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	231		5.01		mg/Kg			03/30/22 13:12	1

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

Lab Sample ID: 880-12547-4

Date Collected: 03/16/22 00:00

Matrix: Solid

Date Received: 03/17/22 13:11

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/25/22 12:30	03/26/22 21:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/25/22 12:30	03/26/22 21:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/25/22 12:30	03/26/22 21:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/25/22 12:30	03/26/22 21:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/25/22 12:30	03/26/22 21:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/25/22 12:30	03/26/22 21:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				03/25/22 12:30	03/26/22 21:48	1
1,4-Difluorobenzene (Surr)	108		70 - 130				03/25/22 12:30	03/26/22 21:48	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/28/22 13:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/21/22 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/18/22 08:50	03/18/22 14:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/18/22 08:50	03/18/22 14:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/18/22 08:50	03/18/22 14:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				03/18/22 08:50	03/18/22 14:26	1
o-Terphenyl	107		70 - 130				03/18/22 08:50	03/18/22 14:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83.1		5.04		mg/Kg			03/29/22 21:27	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Laguna Grande unit 7 ROW Spill

Job ID: 880-12547-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-12547-5

Date Collected: 03/16/22 00:00

Matrix: Solid

Date Received: 03/17/22 13:11

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/25/22 12:30	03/26/22 22:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/25/22 12:30	03/26/22 22:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/25/22 12:30	03/26/22 22:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/25/22 12:30	03/26/22 22:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/25/22 12:30	03/26/22 22:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/25/22 12:30	03/26/22 22:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	03/25/22 12:30	03/26/22 22:09	1
1,4-Difluorobenzene (Surr)	110		70 - 130	03/25/22 12:30	03/26/22 22:09	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/28/22 13:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/21/22 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/17/22 16:29	03/18/22 19:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/17/22 16:29	03/18/22 19:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/17/22 16:29	03/18/22 19:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	03/17/22 16:29	03/18/22 19:22	1
o-Terphenyl	87		70 - 130	03/17/22 16:29	03/18/22 19:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.8		4.97		mg/Kg			03/29/22 21:54	1

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

Lab Sample ID: 880-12547-6

Date Collected: 03/16/22 00:00

Matrix: Solid

Date Received: 03/17/22 13:11

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/25/22 12:30	03/26/22 22:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/25/22 12:30	03/26/22 22:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/25/22 12:30	03/26/22 22:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/25/22 12:30	03/26/22 22:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/25/22 12:30	03/26/22 22:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/25/22 12:30	03/26/22 22:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	03/25/22 12:30	03/26/22 22:29	1
1,4-Difluorobenzene (Surr)	109		70 - 130	03/25/22 12:30	03/26/22 22:29	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Laguna Grande unit 7 ROW Spill

Job ID: 880-12547-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-12547-6

Date Collected: 03/16/22 00:00

Matrix: Solid

Date Received: 03/17/22 13:11

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/28/22 13:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/21/22 09:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/17/22 16:29	03/18/22 19:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/17/22 16:29	03/18/22 19:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/17/22 16:29	03/18/22 19:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				03/17/22 16:29	03/18/22 19:42	1
o-Terphenyl	95		70 - 130				03/17/22 16:29	03/18/22 19:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.1		4.98		mg/Kg			03/29/22 22:03	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Laguna Grande unit 7 ROW Spill

Job ID: 880-12547-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-12547-1	S-1 (0-3")	280 S1+	276 S1+
880-12547-1 MS	S-1 (0-3")	103	110
880-12547-1 MSD	S-1 (0-3")	107	112
880-12547-2	S-2 (0-3")	107	109
880-12547-3	H-1 (0-3")	104	113
880-12547-4	H-2 (0-3")	102	108
880-12547-5	H-3 (0-3")	106	110
880-12547-6	H-4 (0-3")	104	109
LCS 880-22286/1-A	Lab Control Sample	108	112
LCSD 880-22286/2-A	Lab Control Sample Dup	111	111
MB 880-22286/5-A	Method Blank	101	103
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)
880-12547-1	S-1 (0-3")	96	122
880-12547-1 MS	S-1 (0-3")	100	107
880-12547-1 MSD	S-1 (0-3")	99	108
880-12547-2	S-2 (0-3")	107	138 S1+
880-12547-3	H-1 (0-3")	93	115
880-12547-4	H-2 (0-3")	88	107
880-12547-5	H-3 (0-3")	90	87
880-12547-6	H-4 (0-3")	97	95
890-2083-A-1-D MS	Matrix Spike	117	102
890-2083-A-1-E MSD	Matrix Spike Duplicate	98	85
LCS 880-21834/2-A	Lab Control Sample	115	121
LCSD 880-21834/3-A	Lab Control Sample Dup	108	108
MB 880-21834/1-A	Method Blank	117	123
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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	1CO2 (70-130)	OTPH2 (70-130)
LCS 880-21849/2-A	Lab Control Sample	119	143 S1+
LCSD 880-21849/3-A	Lab Control Sample Dup	115	141 S1+
MB 880-21849/1-A	Method Blank	113	152 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			

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Surrogate Summary

Client: Carmona Resources
Project/Site: Laguna Grande unit 7 ROW Spill
OTPH = o-Terphenyl

Job ID: 880-12547-1
SDG: Eddy Co, NM

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

QC Sample Results

Client: Carmona Resources
Project/Site: Laguna Grande unit 7 ROW Spill

Job ID: 880-12547-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-22286/5-A

Matrix: Solid

Analysis Batch: 22424

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 22286

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/25/22 12:30	03/26/22 20:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/25/22 12:30	03/26/22 20:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/25/22 12:30	03/26/22 20:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/25/22 12:30	03/26/22 20:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/25/22 12:30	03/26/22 20:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/25/22 12:30	03/26/22 20:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	03/25/22 12:30	03/26/22 20:25	1
1,4-Difluorobenzene (Surr)	103		70 - 130	03/25/22 12:30	03/26/22 20:25	1

Lab Sample ID: LCS 880-22286/1-A

Matrix: Solid

Analysis Batch: 22424

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 22286

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1052		mg/Kg		105	70 - 130
Toluene	0.100	0.1048		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.1083		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	0.200	0.2283		mg/Kg		114	70 - 130
o-Xylene	0.100	0.1097		mg/Kg		110	70 - 130

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

Lab Sample ID: LCSD 880-22286/2-A

Matrix: Solid

Analysis Batch: 22424

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 22286

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1058		mg/Kg		106	70 - 130	0	35
Toluene	0.100	0.1063		mg/Kg		106	70 - 130	1	35
Ethylbenzene	0.100	0.1099		mg/Kg		110	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2326		mg/Kg		116	70 - 130	2	35
o-Xylene	0.100	0.1125		mg/Kg		113	70 - 130	3	35

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

Lab Sample ID: 880-12547-1 MS

Matrix: Solid

Analysis Batch: 22424

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

Prep Type: Total/NA

Prep Batch: 22286

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00201	U	0.0996	0.08375		mg/Kg		84	70 - 130
Toluene	0.00232		0.0996	0.08300		mg/Kg		81	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Laguna Grande unit 7 ROW Spill

Job ID: 880-12547-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-12547-1 MS

Matrix: Solid

Analysis Batch: 22424

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

Prep Type: Total/NA

Prep Batch: 22286

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00201	U	0.0996	0.08902		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	0.00613		0.199	0.1826		mg/Kg		89	70 - 130
o-Xylene	0.00221		0.0996	0.09140		mg/Kg		90	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-12547-1 MSD

Matrix: Solid

Analysis Batch: 22424

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

Prep Type: Total/NA

Prep Batch: 22286

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.08729		mg/Kg		87	70 - 130	4	35
Toluene	0.00232		0.100	0.08596		mg/Kg		83	70 - 130	4	35
Ethylbenzene	<0.00201	U	0.100	0.09215		mg/Kg		90	70 - 130	3	35
m-Xylene & p-Xylene	0.00613		0.200	0.1891		mg/Kg		91	70 - 130	4	35
o-Xylene	0.00221		0.100	0.09486		mg/Kg		92	70 - 130	4	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

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

Lab Sample ID: MB 880-21834/1-A

Matrix: Solid

Analysis Batch: 21858

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21834

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		03/17/22 16:29	03/18/22 11:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/17/22 16:29	03/18/22 11:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/17/22 16:29	03/18/22 11:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	03/17/22 16:29	03/18/22 11:38	1
o-Terphenyl	123		70 - 130	03/17/22 16:29	03/18/22 11:38	1

Lab Sample ID: LCS 880-21834/2-A

Matrix: Solid

Analysis Batch: 21858

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21834

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	872.7		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1134		mg/Kg		113	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Laguna Grande unit 7 ROW Spill

Job ID: 880-12547-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-21834/2-A

Matrix: Solid

Analysis Batch: 21858

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21834

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	121		70 - 130

Lab Sample ID: LCSD 880-21834/3-A

Matrix: Solid

Analysis Batch: 21858

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21834

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	866.5		mg/Kg		87	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1026		mg/Kg		103	70 - 130	10	20

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

Lab Sample ID: 890-2083-A-1-D MS

Matrix: Solid

Analysis Batch: 21858

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 21834

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 F1	998	1574	F1	mg/Kg		158	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	998	1355	F1	mg/Kg		133	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	117		70 - 130
o-Terphenyl	102		70 - 130

Lab Sample ID: 890-2083-A-1-E MSD

Matrix: Solid

Analysis Batch: 21858

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 21834

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	999	1388	F1	mg/Kg		139	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	999	1149		mg/Kg		112	70 - 130	16	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	85		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Laguna Grande unit 7 ROW Spill

Job ID: 880-12547-1
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-21849/1-A

Matrix: Solid

Analysis Batch: 21864

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21849

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		03/18/22 08:50	03/18/22 11:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/18/22 08:50	03/18/22 11:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/18/22 08:50	03/18/22 11:39	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				03/18/22 08:50	03/18/22 11:39	1
o-Terphenyl	152	S1+	70 - 130				03/18/22 08:50	03/18/22 11:39	1

Lab Sample ID: LCS 880-21849/2-A

Matrix: Solid

Analysis Batch: 21864

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21849

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1039		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1133		mg/Kg		113	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	119		70 - 130				
o-Terphenyl	143	S1+	70 - 130				

Lab Sample ID: LCSD 880-21849/3-A

Matrix: Solid

Analysis Batch: 21864

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21849

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1006		mg/Kg		101	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1086		mg/Kg		109	70 - 130	4	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	115		70 - 130						
o-Terphenyl	141	S1+	70 - 130						

Lab Sample ID: 880-12547-1 MS

Matrix: Solid

Analysis Batch: 21864

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

Prep Type: Total/NA

Prep Batch: 21849

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F1	998	1354	F1	mg/Kg		134	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U F1	998	1381	F1	mg/Kg		134	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Laguna Grande unit 7 ROW Spill

Job ID: 880-12547-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-12547-1 MS

Matrix: Solid

Analysis Batch: 21864

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

Prep Type: Total/NA

Prep Batch: 21849

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: 880-12547-1 MSD

Matrix: Solid

Analysis Batch: 21864

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

Prep Type: Total/NA

Prep Batch: 21849

	Sample	Sample	Spike	MSD	MSD				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F1	999	1358	F1	mg/Kg		134	70 - 130	0
Diesel Range Organics (Over C10-C28)	<49.8	U F1	999	1392	F1	mg/Kg		135	70 - 130	1
	MSD	MSD								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	99		70 - 130							
o-Terphenyl	108		70 - 130							

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-22043/1-A

Matrix: Solid

Analysis Batch: 22397

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<5.00	U	5.00		mg/Kg			03/29/22 20:08	1	

Lab Sample ID: LCS 880-22043/2-A

Matrix: Solid

Analysis Batch: 22397

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	250	256.1		mg/Kg		102	90 - 110		

Lab Sample ID: LCSD 880-22043/3-A

Matrix: Solid

Analysis Batch: 22397

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

	Spike	LCSD	LCSD					%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	257.1		mg/Kg		103	90 - 110	0	20	

Lab Sample ID: 880-12531-A-25-C MS

Matrix: Solid

Analysis Batch: 22397

Client Sample ID: Matrix Spike

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	1820	F1	2480	4638	F1	mg/Kg		114	90 - 110	

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Laguna Grande unit 7 ROW Spill

Job ID: 880-12547-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-12531-A-25-D MSD					Client Sample ID: Matrix Spike Duplicate							
Matrix: Solid					Prep Type: Soluble							
Analysis Batch: 22397												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit	
Chloride	1820	F1	2480	4450		mg/Kg		106	90 - 110	4	20	

Lab Sample ID: 880-12549-A-4-I MS					Client Sample ID: Matrix Spike							
Matrix: Solid					Prep Type: Soluble							
Analysis Batch: 22397												
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits			
Chloride	9.42		249	269.4		mg/Kg		105	90 - 110			

Lab Sample ID: 880-12549-A-4-J MSD					Client Sample ID: Matrix Spike Duplicate							
Matrix: Solid					Prep Type: Soluble							
Analysis Batch: 22397												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit	
Chloride	9.42		249	259.5		mg/Kg		101	90 - 110	4	20	

QC Association Summary

Client: Carmona Resources
Project/Site: Laguna Grande unit 7 ROW Spill

Job ID: 880-12547-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 22286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12547-1	S-1 (0-3")	Total/NA	Solid	5035	
880-12547-2	S-2 (0-3")	Total/NA	Solid	5035	
880-12547-3	H-1 (0-3")	Total/NA	Solid	5035	
880-12547-4	H-2 (0-3")	Total/NA	Solid	5035	
880-12547-5	H-3 (0-3")	Total/NA	Solid	5035	
880-12547-6	H-4 (0-3")	Total/NA	Solid	5035	
MB 880-22286/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-22286/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-22286/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-12547-1 MS	S-1 (0-3")	Total/NA	Solid	5035	
880-12547-1 MSD	S-1 (0-3")	Total/NA	Solid	5035	

Analysis Batch: 22424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12547-1	S-1 (0-3")	Total/NA	Solid	8021B	22286
880-12547-2	S-2 (0-3")	Total/NA	Solid	8021B	22286
880-12547-3	H-1 (0-3")	Total/NA	Solid	8021B	22286
880-12547-4	H-2 (0-3")	Total/NA	Solid	8021B	22286
880-12547-5	H-3 (0-3")	Total/NA	Solid	8021B	22286
880-12547-6	H-4 (0-3")	Total/NA	Solid	8021B	22286
MB 880-22286/5-A	Method Blank	Total/NA	Solid	8021B	22286
LCS 880-22286/1-A	Lab Control Sample	Total/NA	Solid	8021B	22286
LCSD 880-22286/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	22286
880-12547-1 MS	S-1 (0-3")	Total/NA	Solid	8021B	22286
880-12547-1 MSD	S-1 (0-3")	Total/NA	Solid	8021B	22286

Analysis Batch: 22490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12547-1	S-1 (0-3")	Total/NA	Solid	Total BTEX	
880-12547-2	S-2 (0-3")	Total/NA	Solid	Total BTEX	
880-12547-3	H-1 (0-3")	Total/NA	Solid	Total BTEX	
880-12547-4	H-2 (0-3")	Total/NA	Solid	Total BTEX	
880-12547-5	H-3 (0-3")	Total/NA	Solid	Total BTEX	
880-12547-6	H-4 (0-3")	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 21834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12547-5	H-3 (0-3")	Total/NA	Solid	8015NM Prep	
880-12547-6	H-4 (0-3")	Total/NA	Solid	8015NM Prep	
MB 880-21834/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-21834/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-21834/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2083-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2083-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 21849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12547-1	S-1 (0-3")	Total/NA	Solid	8015NM Prep	
880-12547-2	S-2 (0-3")	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Laguna Grande unit 7 ROW Spill

Job ID: 880-12547-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Prep Batch: 21849 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12547-3	H-1 (0-3")	Total/NA	Solid	8015NM Prep	
880-12547-4	H-2 (0-3")	Total/NA	Solid	8015NM Prep	
MB 880-21849/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-21849/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-21849/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-12547-1 MS	S-1 (0-3")	Total/NA	Solid	8015NM Prep	
880-12547-1 MSD	S-1 (0-3")	Total/NA	Solid	8015NM Prep	

Analysis Batch: 21858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12547-5	H-3 (0-3")	Total/NA	Solid	8015B NM	21834
880-12547-6	H-4 (0-3")	Total/NA	Solid	8015B NM	21834
MB 880-21834/1-A	Method Blank	Total/NA	Solid	8015B NM	21834
LCS 880-21834/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	21834
LCSD 880-21834/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	21834
890-2083-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	21834
890-2083-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	21834

Analysis Batch: 21864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12547-1	S-1 (0-3")	Total/NA	Solid	8015B NM	21849
880-12547-2	S-2 (0-3")	Total/NA	Solid	8015B NM	21849
880-12547-3	H-1 (0-3")	Total/NA	Solid	8015B NM	21849
880-12547-4	H-2 (0-3")	Total/NA	Solid	8015B NM	21849
MB 880-21849/1-A	Method Blank	Total/NA	Solid	8015B NM	21849
LCS 880-21849/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	21849
LCSD 880-21849/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	21849
880-12547-1 MS	S-1 (0-3")	Total/NA	Solid	8015B NM	21849
880-12547-1 MSD	S-1 (0-3")	Total/NA	Solid	8015B NM	21849

Analysis Batch: 21991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12547-1	S-1 (0-3")	Total/NA	Solid	8015 NM	
880-12547-2	S-2 (0-3")	Total/NA	Solid	8015 NM	
880-12547-3	H-1 (0-3")	Total/NA	Solid	8015 NM	
880-12547-4	H-2 (0-3")	Total/NA	Solid	8015 NM	
880-12547-5	H-3 (0-3")	Total/NA	Solid	8015 NM	
880-12547-6	H-4 (0-3")	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 22043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12547-1	S-1 (0-3")	Soluble	Solid	DI Leach	
880-12547-2	S-2 (0-3")	Soluble	Solid	DI Leach	
880-12547-3	H-1 (0-3")	Soluble	Solid	DI Leach	
880-12547-4	H-2 (0-3")	Soluble	Solid	DI Leach	
880-12547-5	H-3 (0-3")	Soluble	Solid	DI Leach	
880-12547-6	H-4 (0-3")	Soluble	Solid	DI Leach	
MB 880-22043/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-22043/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Laguna Grande unit 7 ROW Spill

Job ID: 880-12547-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Leach Batch: 22043 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-22043/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-12531-A-25-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-12531-A-25-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-12549-A-4-I MS	Matrix Spike	Soluble	Solid	DI Leach	
880-12549-A-4-J MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 22397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12547-1	S-1 (0-3")	Soluble	Solid	300.0	22043
880-12547-2	S-2 (0-3")	Soluble	Solid	300.0	22043
880-12547-3	H-1 (0-3")	Soluble	Solid	300.0	22043
880-12547-4	H-2 (0-3")	Soluble	Solid	300.0	22043
880-12547-5	H-3 (0-3")	Soluble	Solid	300.0	22043
880-12547-6	H-4 (0-3")	Soluble	Solid	300.0	22043
MB 880-22043/1-A	Method Blank	Soluble	Solid	300.0	22043
LCS 880-22043/2-A	Lab Control Sample	Soluble	Solid	300.0	22043
LCSD 880-22043/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	22043
880-12531-A-25-C MS	Matrix Spike	Soluble	Solid	300.0	22043
880-12531-A-25-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	22043
880-12549-A-4-I MS	Matrix Spike	Soluble	Solid	300.0	22043
880-12549-A-4-J MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	22043

Lab Chronicle

Client: Carmona Resources
Project/Site: Laguna Grande unit 7 ROW Spill

Job ID: 880-12547-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-12547-1

Date Collected: 03/16/22 00:00

Matrix: Solid

Date Received: 03/17/22 13:11

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	22286	03/25/22 12:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22424	03/26/22 20:46	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22490	03/28/22 13:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21991	03/21/22 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	21849	03/18/22 08:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21864	03/18/22 12:42	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	22043	03/21/22 11:50	CH	XEN MID
Soluble	Analysis	300.0		50			22397	03/29/22 21:01	CH	XEN MID

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

Lab Sample ID: 880-12547-2

Date Collected: 03/16/22 00:00

Matrix: Solid

Date Received: 03/17/22 13:11

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	22286	03/25/22 12:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22424	03/26/22 21:07	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22490	03/28/22 13:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21991	03/21/22 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	21849	03/18/22 08:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21864	03/18/22 13:44	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	22043	03/21/22 11:50	CH	XEN MID
Soluble	Analysis	300.0		50			22397	03/30/22 13:03	CH	XEN MID

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

Lab Sample ID: 880-12547-3

Date Collected: 03/16/22 00:00

Matrix: Solid

Date Received: 03/17/22 13:11

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	22286	03/25/22 12:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22424	03/26/22 21:28	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22490	03/28/22 13:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21991	03/21/22 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	21849	03/18/22 08:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21864	03/18/22 14:05	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	22043	03/21/22 11:50	CH	XEN MID
Soluble	Analysis	300.0		1			22397	03/30/22 13:12	CH	XEN MID

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

Lab Sample ID: 880-12547-4

Date Collected: 03/16/22 00:00

Matrix: Solid

Date Received: 03/17/22 13:11

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	22286	03/25/22 12:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22424	03/26/22 21:48	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22490	03/28/22 13:11	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Laguna Grande unit 7 ROW Spill

Job ID: 880-12547-1
SDG: Eddy Co, NM

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

Date Collected: 03/16/22 00:00

Date Received: 03/17/22 13:11

Lab Sample ID: 880-12547-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			21991	03/21/22 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21849	03/18/22 08:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21864	03/18/22 14:26	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	22043	03/21/22 11:50	CH	XEN MID
Soluble	Analysis	300.0		1			22397	03/29/22 21:27	CH	XEN MID

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

Date Collected: 03/16/22 00:00

Date Received: 03/17/22 13:11

Lab Sample ID: 880-12547-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	22286	03/25/22 12:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22424	03/26/22 22:09	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22490	03/28/22 13:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21991	03/21/22 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21834	03/17/22 16:29	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21858	03/18/22 19:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	22043	03/21/22 11:50	CH	XEN MID
Soluble	Analysis	300.0		1			22397	03/29/22 21:54	CH	XEN MID

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

Date Collected: 03/16/22 00:00

Date Received: 03/17/22 13:11

Lab Sample ID: 880-12547-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	22286	03/25/22 12:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22424	03/26/22 22:29	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22490	03/28/22 13:11	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21991	03/21/22 09:28	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	21834	03/17/22 16:29	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21858	03/18/22 19:42	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	22043	03/21/22 11:50	CH	XEN MID
Soluble	Analysis	300.0		1			22397	03/29/22 22:03	CH	XEN MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Laguna Grande unit 7 ROW Spill

Job ID: 880-12547-1
SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: Carmona Resources
Project/Site: Laguna Grande unit 7 ROW Spill

Job ID: 880-12547-1
SDG: Eddy Co, NM

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

Protocol References:

- ASTM = ASTM International
- MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Laguna Grande unit 7 ROW Spill

Job ID: 880-12547-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-12547-1	S-1 (0-3")	Solid	03/16/22 00:00	03/17/22 13:11
880-12547-2	S-2 (0-3")	Solid	03/16/22 00:00	03/17/22 13:11
880-12547-3	H-1 (0-3")	Solid	03/16/22 00:00	03/17/22 13:11
880-12547-4	H-2 (0-3")	Solid	03/16/22 00:00	03/17/22 13:11
880-12547-5	H-3 (0-3")	Solid	03/16/22 00:00	03/17/22 13:11
880-12547-6	H-4 (0-3")	Solid	03/16/22 00:00	03/17/22 13:11

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Project Manager	Commer Moehring	Bill to (if different)	Laci Luig
Company Name	Carmona Resources	Company Name	Cimarex Energy
Address	310 W Wall St STE 415	Address	600 N Marlenfield St, Suite 600
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Tx 79701
Phone	432-813-6823	Email	laci.luig@coterra.com

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

Work Order No: 12547

[illegible]

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-12547-1

SDG Number: Eddy Co, NM

Login Number: 12547

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.	N/A	No time on COC, logged in per container labels.
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	

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Conner Moehring
Carmona Resources
310 West W Wall Ste. 415
Midland, TX 79701

Project: Laguna Grande Unit 7 ROW

Project Number: 1029

Location: Eddy County, NM

Lab Order Number: 2E12003



Current Certification

Report Date: 05/17/22

Carmona Resources
310 West W Wall Ste. 415
Midland TX, 79701

Project: Laguna Grande Unit 7 ROW
Project Number: 1029
Project Manager: Conner Moehring

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
T-1 @ (0-0.5')	2E12003-01	Soil	05/11/22 00:00	05-12-2022 08:30
T-1 @ (1')	2E12003-02	Soil	05/11/22 00:00	05-12-2022 08:30
T-1 @ (2')	2E12003-03	Soil	05/11/22 00:00	05-12-2022 08:30
T-1 @ (3')	2E12003-04	Soil	05/11/22 00:00	05-12-2022 08:30
T-1 @ (4')	2E12003-05	Soil	05/11/22 00:00	05-12-2022 08:30
T-1 @ (5')	2E12003-06	Soil	05/11/22 00:00	05-12-2022 08:30
T-1 @ (6')	2E12003-07	Soil	05/11/22 00:00	05-12-2022 08:30
T-1 @ (7')	2E12003-08	Soil	05/11/22 00:00	05-12-2022 08:30
T-1 @ (8')	2E12003-09	Soil	05/11/22 00:00	05-12-2022 08:30
T-1 @ (9')	2E12003-10	Soil	05/11/22 00:00	05-12-2022 08:30
T-2 @ (0-0.5')	2E12003-11	Soil	05/11/22 00:00	05-12-2022 08:30
T-2 @ (1')	2E12003-12	Soil	05/11/22 00:00	05-12-2022 08:30
T-2 @ (2')	2E12003-13	Soil	05/11/22 00:00	05-12-2022 08:30
T-2 @ (3')	2E12003-14	Soil	05/11/22 00:00	05-12-2022 08:30
T-2 @ (4')	2E12003-15	Soil	05/11/22 00:00	05-12-2022 08:30
T-2 @ (5')	2E12003-16	Soil	05/11/22 00:00	05-12-2022 08:30
T-2 @ (6')	2E12003-17	Soil	05/11/22 00:00	05-12-2022 08:30
T-2 @ (7')	2E12003-18	Soil	05/11/22 00:00	05-12-2022 08:30
T-2 @ (8')	2E12003-19	Soil	05/11/22 00:00	05-12-2022 08:30
Background #1	2E12003-20	Soil	05/11/22 00:00	05-12-2022 08:30

Carmona Resources	Project: Laguna Grande Unit 7 ROW
310 West W Wall Ste. 415	Project Number: 1029
Midland TX, 79701	Project Manager: Conner Moehring

T-1 @ (0-0.5')
2E12003-01 (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	0.00110	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 19:38	EPA 8021B
Toluene	ND	0.00110	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 19:38	EPA 8021B
Ethylbenzene	ND	0.00110	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 19:38	EPA 8021B
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 19:38	EPA 8021B
Xylene (o)	ND	0.00110	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 19:38	EPA 8021B
Surrogate: 4-Bromofluorobenzene	106 %		80-120		P2E1310	05/13/22 16:43	05/13/22 19:38	EPA 8021B
Surrogate: 1,4-Difluorobenzene	98.8 %		80-120		P2E1310	05/13/22 16:43	05/13/22 19:38	EPA 8021B

General Chemistry Parameters by EPA / Standard Methods

Chloride	10600	11.0	mg/kg dry	10	P2E1305	05/13/22 15:47	05/13/22 23:12	EPA 300.0
% Moisture	9.0	0.1	%	1	P2E1604	05/16/22 11:52	05/16/22 11:58	ASTM D2216

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.5	mg/kg dry	1	P2E1306	05/13/22 16:00	05/13/22 22:16	TPH 8015M
>C12-C28	ND	27.5	mg/kg dry	1	P2E1306	05/13/22 16:00	05/13/22 22:16	TPH 8015M
>C28-C35	ND	27.5	mg/kg dry	1	P2E1306	05/13/22 16:00	05/13/22 22:16	TPH 8015M
Surrogate: 1-Chlorooctane	85.0 %		70-130		P2E1306	05/13/22 16:00	05/13/22 22:16	TPH 8015M
Surrogate: o-Terphenyl	97.3 %		70-130		P2E1306	05/13/22 16:00	05/13/22 22:16	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	05/13/22 16:00	05/13/22 22:16	calc

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	Project: Laguna Grande Unit 7 ROW
310 West W Wall Ste. 415	Project Number: 1029
Midland TX, 79701	Project Manager: Conner Moehring

T-1 @ (1')
2E12003-02 (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	0.00110	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 19:59	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 19:59	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 19:59	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 19:59	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 19:59	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	98.3 %		80-120		P2E1310	05/13/22 16:43	05/13/22 19:59	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	104 %		80-120		P2E1310	05/13/22 16:43	05/13/22 19:59	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods									
Chloride	10400	11.0	mg/kg dry	10	P2E1305	05/13/22 15:47	05/13/22 23:31	EPA 300.0	
% Moisture	9.0	0.1	%	1	P2E1604	05/16/22 11:52	05/16/22 11:58	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.5	mg/kg dry	1	P2E1306	05/13/22 16:00	05/13/22 22:38	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P2E1306	05/13/22 16:00	05/13/22 22:38	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P2E1306	05/13/22 16:00	05/13/22 22:38	TPH 8015M	
Surrogate: 1-Chlorooctane	78.8 %		70-130		P2E1306	05/13/22 16:00	05/13/22 22:38	TPH 8015M	
Surrogate: o-Terphenyl	91.7 %		70-130		P2E1306	05/13/22 16:00	05/13/22 22:38	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	05/13/22 16:00	05/13/22 22:38	calc	

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: 1029
Project Manager: Conner Moehring

T-1 @ (2')
2E12003-03 (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	0.00112	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 20:20	EPA 8021B	
Toluene	ND	0.00112	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 20:20	EPA 8021B	
Ethylbenzene	ND	0.00112	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 20:20	EPA 8021B	
Xylene (p/m)	ND	0.00225	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 20:20	EPA 8021B	
Xylene (o)	ND	0.00112	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 20:20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	105 %		80-120		P2E1310	05/13/22 16:43	05/13/22 20:20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	97.9 %		80-120		P2E1310	05/13/22 16:43	05/13/22 20:20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	10700	11.2	mg/kg dry	10	P2E1305	05/13/22 15:47	05/13/22 23:50	EPA 300.0	
% Moisture	11.0	0.1	%	1	P2E1604	05/16/22 11:52	05/16/22 11:58	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.1	mg/kg dry	1	P2E1306	05/13/22 16:00	05/13/22 23:01	TPH 8015M	
>C12-C28	ND	28.1	mg/kg dry	1	P2E1306	05/13/22 16:00	05/13/22 23:01	TPH 8015M	
>C28-C35	ND	28.1	mg/kg dry	1	P2E1306	05/13/22 16:00	05/13/22 23:01	TPH 8015M	
Surrogate: 1-Chlorooctane	79.9 %		70-130		P2E1306	05/13/22 16:00	05/13/22 23:01	TPH 8015M	
Surrogate: o-Terphenyl	91.9 %		70-130		P2E1306	05/13/22 16:00	05/13/22 23:01	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.1	mg/kg dry	1	[CALC]	05/13/22 16:00	05/13/22 23:01	calc	

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: 1029
Project Manager: Conner Moehring

T-1 @ (3')
2E12003-04 (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	0.00109	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 20:41	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 20:41	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 20:41	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 20:41	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 20:41	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	106 %		80-120		P2E1310	05/13/22 16:43	05/13/22 20:41	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	98.7 %		80-120		P2E1310	05/13/22 16:43	05/13/22 20:41	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	10400	10.9	mg/kg dry	10	P2E1305	05/13/22 15:47	05/14/22 00:09	EPA 300.0	
% Moisture	8.0	0.1	%	1	P2E1604	05/16/22 11:52	05/16/22 11:58	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.2	mg/kg dry	1	P2E1306	05/13/22 16:00	05/13/22 23:23	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P2E1306	05/13/22 16:00	05/13/22 23:23	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P2E1306	05/13/22 16:00	05/13/22 23:23	TPH 8015M	
Surrogate: 1-Chlorooctane	79.8 %		70-130		P2E1306	05/13/22 16:00	05/13/22 23:23	TPH 8015M	
Surrogate: o-Terphenyl	92.7 %		70-130		P2E1306	05/13/22 16:00	05/13/22 23:23	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	05/13/22 16:00	05/13/22 23:23	calc	

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: 1029
Project Manager: Conner Moehring

T-1 @ (4')
2E12003-05 (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	P2E1310	05/13/22 16:43	05/13/22 21:03	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 21:03	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 21:03	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 21:03	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 21:03	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	98.9 %		80-120		P2E1310	05/13/22 16:43	05/13/22 21:03	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	107 %		80-120		P2E1310	05/13/22 16:43	05/13/22 21:03	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	7420	5.38	mg/kg dry	5	P2E1305	05/13/22 15:47	05/14/22 01:06	EPA 300.0	
% Moisture	7.0	0.1	%	1	P2E1604	05/16/22 11:52	05/16/22 11:58	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.9	mg/kg dry	1	P2E1306	05/13/22 16:00	05/13/22 23:45	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P2E1306	05/13/22 16:00	05/13/22 23:45	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P2E1306	05/13/22 16:00	05/13/22 23:45	TPH 8015M	
Surrogate: 1-Chlorooctane	81.7 %		70-130		P2E1306	05/13/22 16:00	05/13/22 23:45	TPH 8015M	
Surrogate: o-Terphenyl	94.5 %		70-130		P2E1306	05/13/22 16:00	05/13/22 23:45	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	05/13/22 16:00	05/13/22 23:45	calc	

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: 1029
Project Manager: Conner Moehring

T-1 @ (5')
2E12003-06 (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	0.00114	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 21:24	EPA 8021B	
Toluene	ND	0.00114	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 21:24	EPA 8021B	
Ethylbenzene	ND	0.00114	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 21:24	EPA 8021B	
Xylene (p/m)	ND	0.00227	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 21:24	EPA 8021B	
Xylene (o)	ND	0.00114	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 21:24	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	97.2 %		80-120		P2E1310	05/13/22 16:43	05/13/22 21:24	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	107 %		80-120		P2E1310	05/13/22 16:43	05/13/22 21:24	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	10800	11.4	mg/kg dry	10	P2E1305	05/13/22 15:47	05/14/22 02:03	EPA 300.0	
% Moisture	12.0	0.1	%	1	P2E1604	05/16/22 11:52	05/16/22 11:58	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.4	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 00:08	TPH 8015M	
>C12-C28	ND	28.4	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 00:08	TPH 8015M	
>C28-C35	ND	28.4	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 00:08	TPH 8015M	
Surrogate: 1-Chlorooctane	81.1 %		70-130		P2E1306	05/13/22 16:00	05/14/22 00:08	TPH 8015M	
Surrogate: o-Terphenyl	94.4 %		70-130		P2E1306	05/13/22 16:00	05/14/22 00:08	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.4	mg/kg dry	1	[CALC]	05/13/22 16:00	05/14/22 00:08	calc	

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: 1029
Project Manager: Conner Moehring

T-1 @ (6')
2E12003-07 (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	0.00112	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 21:45	EPA 8021B	
Toluene	ND	0.00112	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 21:45	EPA 8021B	
Ethylbenzene	ND	0.00112	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 21:45	EPA 8021B	
Xylene (p/m)	ND	0.00225	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 21:45	EPA 8021B	
Xylene (o)	ND	0.00112	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 21:45	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.9 %		80-120		P2E1310	05/13/22 16:43	05/13/22 21:45	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	108 %		80-120		P2E1310	05/13/22 16:43	05/13/22 21:45	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	10400	11.2	mg/kg dry	10	P2E1305	05/13/22 15:47	05/14/22 02:22	EPA 300.0	
% Moisture	11.0	0.1	%	1	P2E1604	05/16/22 11:52	05/16/22 11:58	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.1	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 00:30	TPH 8015M	
>C12-C28	ND	28.1	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 00:30	TPH 8015M	
>C28-C35	ND	28.1	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 00:30	TPH 8015M	
Surrogate: 1-Chlorooctane	89.6 %		70-130		P2E1306	05/13/22 16:00	05/14/22 00:30	TPH 8015M	
Surrogate: o-Terphenyl	104 %		70-130		P2E1306	05/13/22 16:00	05/14/22 00:30	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.1	mg/kg dry	1	[CALC]	05/13/22 16:00	05/14/22 00:30	calc	

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: 1029
Project Manager: Conner Moehring

T-1 @ (7')
2E12003-08 (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	0.00114	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 22:06	EPA 8021B	
Toluene	ND	0.00114	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 22:06	EPA 8021B	
Ethylbenzene	ND	0.00114	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 22:06	EPA 8021B	
Xylene (p/m)	ND	0.00227	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 22:06	EPA 8021B	
Xylene (o)	ND	0.00114	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 22:06	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.9 %		80-120		P2E1310	05/13/22 16:43	05/13/22 22:06	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	108 %		80-120		P2E1310	05/13/22 16:43	05/13/22 22:06	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	11400	11.4	mg/kg dry	10	P2E1305	05/13/22 15:47	05/14/22 02:41	EPA 300.0	
% Moisture	12.0	0.1	%	1	P2E1604	05/16/22 11:52	05/16/22 11:58	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.4	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 00:53	TPH 8015M	
>C12-C28	ND	28.4	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 00:53	TPH 8015M	
>C28-C35	ND	28.4	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 00:53	TPH 8015M	
Surrogate: 1-Chlorooctane	88.6 %		70-130		P2E1306	05/13/22 16:00	05/14/22 00:53	TPH 8015M	
Surrogate: o-Terphenyl	106 %		70-130		P2E1306	05/13/22 16:00	05/14/22 00:53	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.4	mg/kg dry	1	[CALC]	05/13/22 16:00	05/14/22 00:53	calc	

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: 1029
Project Manager: Conner Moehring

T-1 @ (8')
2E12003-09 (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	0.00118	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 22:27	EPA 8021B	
Toluene	ND	0.00118	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 22:27	EPA 8021B	
Ethylbenzene	ND	0.00118	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 22:27	EPA 8021B	
Xylene (p/m)	ND	0.00235	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 22:27	EPA 8021B	
Xylene (o)	ND	0.00118	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 22:27	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	97.1 %		80-120		P2E1310	05/13/22 16:43	05/13/22 22:27	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	105 %		80-120		P2E1310	05/13/22 16:43	05/13/22 22:27	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	6440	5.88	mg/kg dry	5	P2E1305	05/13/22 15:47	05/14/22 03:00	EPA 300.0	
% Moisture	15.0	0.1	%	1	P2E1604	05/16/22 11:52	05/16/22 11:58	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.4	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 01:16	TPH 8015M	
>C12-C28	ND	29.4	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 01:16	TPH 8015M	
>C28-C35	ND	29.4	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 01:16	TPH 8015M	
Surrogate: 1-Chlorooctane	80.6 %		70-130		P2E1306	05/13/22 16:00	05/14/22 01:16	TPH 8015M	
Surrogate: o-Terphenyl	95.4 %		70-130		P2E1306	05/13/22 16:00	05/14/22 01:16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.4	mg/kg dry	1	[CALC]	05/13/22 16:00	05/14/22 01:16	calc	

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: 1029
Project Manager: Conner Moehring

T-1 @ (9')
2E12003-10 (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	0.00122	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 22:48	EPA 8021B	
Toluene	ND	0.00122	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 22:48	EPA 8021B	
Ethylbenzene	ND	0.00122	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 22:48	EPA 8021B	
Xylene (p/m)	ND	0.00244	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 22:48	EPA 8021B	
Xylene (o)	ND	0.00122	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 22:48	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	103 %		80-120		P2E1310	05/13/22 16:43	05/13/22 22:48	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	97.5 %		80-120		P2E1310	05/13/22 16:43	05/13/22 22:48	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	7080	6.10	mg/kg dry	5	P2E1305	05/13/22 15:47	05/14/22 03:19	EPA 300.0	
% Moisture	18.0	0.1	%	1	P2E1604	05/16/22 11:52	05/16/22 11:58	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	30.5	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 01:38	TPH 8015M	
>C12-C28	ND	30.5	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 01:38	TPH 8015M	
>C28-C35	ND	30.5	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 01:38	TPH 8015M	
Surrogate: 1-Chlorooctane	80.3 %		70-130		P2E1306	05/13/22 16:00	05/14/22 01:38	TPH 8015M	
Surrogate: o-Terphenyl	96.3 %		70-130		P2E1306	05/13/22 16:00	05/14/22 01:38	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	30.5	mg/kg dry	1	[CALC]	05/13/22 16:00	05/14/22 01:38	calc	

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: 1029
Project Manager: Conner Moehring

T-2 @ (0-0.5')
2E12003-11 (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	0.00115	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 23:52	EPA 8021B	
Toluene	ND	0.00115	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 23:52	EPA 8021B	
Ethylbenzene	ND	0.00115	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 23:52	EPA 8021B	
Xylene (p/m)	ND	0.00230	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 23:52	EPA 8021B	
Xylene (o)	ND	0.00115	mg/kg dry	1	P2E1310	05/13/22 16:43	05/13/22 23:52	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	104 %		80-120		P2E1310	05/13/22 16:43	05/13/22 23:52	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.7 %		80-120		P2E1310	05/13/22 16:43	05/13/22 23:52	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	8780	11.5	mg/kg dry	10	P2E1305	05/13/22 15:47	05/14/22 03:38	EPA 300.0	
% Moisture	13.0	0.1	%	1	P2E1604	05/16/22 11:52	05/16/22 11:58	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.7	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 02:46	TPH 8015M	
>C12-C28	ND	28.7	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 02:46	TPH 8015M	
>C28-C35	ND	28.7	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 02:46	TPH 8015M	
Surrogate: 1-Chlorooctane	74.6 %		70-130		P2E1306	05/13/22 16:00	05/14/22 02:46	TPH 8015M	
Surrogate: o-Terphenyl	90.5 %		70-130		P2E1306	05/13/22 16:00	05/14/22 02:46	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.7	mg/kg dry	1	[CALC]	05/13/22 16:00	05/14/22 02:46	calc	

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: 1029
Project Manager: Conner Moehring

T-2 @ (1')
2E12003-12 (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	0.00118	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 00:13	EPA 8021B	
Toluene	ND	0.00118	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 00:13	EPA 8021B	
Ethylbenzene	ND	0.00118	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 00:13	EPA 8021B	
Xylene (p/m)	ND	0.00235	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 00:13	EPA 8021B	
Xylene (o)	ND	0.00118	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 00:13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.2 %		80-120		P2E1310	05/13/22 16:43	05/14/22 00:13	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	104 %		80-120		P2E1310	05/13/22 16:43	05/14/22 00:13	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	6330	5.88	mg/kg dry	5	P2E1305	05/13/22 15:47	05/14/22 07:34	EPA 300.0	
% Moisture	15.0	0.1	%	1	P2E1604	05/16/22 11:52	05/16/22 11:58	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.4	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 03:08	TPH 8015M	
>C12-C28	ND	29.4	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 03:08	TPH 8015M	
>C28-C35	ND	29.4	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 03:08	TPH 8015M	
Surrogate: 1-Chlorooctane	74.7 %		70-130		P2E1306	05/13/22 16:00	05/14/22 03:08	TPH 8015M	
Surrogate: o-Terphenyl	90.9 %		70-130		P2E1306	05/13/22 16:00	05/14/22 03:08	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.4	mg/kg dry	1	[CALC]	05/13/22 16:00	05/14/22 03:08	calc	

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: 1029
Project Manager: Conner Moehring

T-2 @ (2')
2E12003-13 (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	0.00118	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 00:35	EPA 8021B	
Toluene	ND	0.00118	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 00:35	EPA 8021B	
Ethylbenzene	ND	0.00118	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 00:35	EPA 8021B	
Xylene (p/m)	ND	0.00235	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 00:35	EPA 8021B	
Xylene (o)	ND	0.00118	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 00:35	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	97.1 %		80-120		P2E1310	05/13/22 16:43	05/14/22 00:35	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	106 %		80-120		P2E1310	05/13/22 16:43	05/14/22 00:35	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	4980	5.88	mg/kg dry	5	P2E1305	05/13/22 15:47	05/14/22 07:53	EPA 300.0	
% Moisture	15.0	0.1	%	1	P2E1604	05/16/22 11:52	05/16/22 11:58	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.4	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 03:30	TPH 8015M	
>C12-C28	ND	29.4	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 03:30	TPH 8015M	
>C28-C35	ND	29.4	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 03:30	TPH 8015M	
Surrogate: 1-Chlorooctane	80.5 %		70-130		P2E1306	05/13/22 16:00	05/14/22 03:30	TPH 8015M	
Surrogate: o-Terphenyl	92.3 %		70-130		P2E1306	05/13/22 16:00	05/14/22 03:30	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.4	mg/kg dry	1	[CALC]	05/13/22 16:00	05/14/22 03:30	calc	

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: 1029
Project Manager: Conner Moehring

T-2 @ (3')
2E12003-14 (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	0.00109	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 00:56	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 00:56	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 00:56	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 00:56	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 00:56	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	97.2 %		80-120		P2E1310	05/13/22 16:43	05/14/22 00:56	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	107 %		80-120		P2E1310	05/13/22 16:43	05/14/22 00:56	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	7260	5.43	mg/kg dry	5	P2E1305	05/13/22 15:47	05/14/22 08:12	EPA 300.0	
% Moisture	8.0	0.1	%	1	P2E1604	05/16/22 11:52	05/16/22 11:58	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.2	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 03:53	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 03:53	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 03:53	TPH 8015M	
Surrogate: 1-Chlorooctane	80.3 %		70-130		P2E1306	05/13/22 16:00	05/14/22 03:53	TPH 8015M	
Surrogate: o-Terphenyl	92.0 %		70-130		P2E1306	05/13/22 16:00	05/14/22 03:53	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	05/13/22 16:00	05/14/22 03:53	calc	

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: 1029
Project Manager: Conner Moehring

T-2 @ (4')
2E12003-15 (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	0.00116	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 01:17	EPA 8021B	
Toluene	ND	0.00116	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 01:17	EPA 8021B	
Ethylbenzene	ND	0.00116	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 01:17	EPA 8021B	
Xylene (p/m)	ND	0.00233	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 01:17	EPA 8021B	
Xylene (o)	ND	0.00116	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 01:17	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	104 %		80-120		P2E1310	05/13/22 16:43	05/14/22 01:17	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	97.4 %		80-120		P2E1310	05/13/22 16:43	05/14/22 01:17	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	6660	5.81	mg/kg dry	5	P2E1701	05/17/22 09:00	05/17/22 11:27	EPA 300.0	
% Moisture	14.0	0.1	%	1	P2E1604	05/16/22 11:52	05/16/22 11:58	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.1	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 04:15	TPH 8015M	
>C12-C28	ND	29.1	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 04:15	TPH 8015M	
>C28-C35	ND	29.1	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 04:15	TPH 8015M	
Surrogate: 1-Chlorooctane	82.4 %		70-130		P2E1306	05/13/22 16:00	05/14/22 04:15	TPH 8015M	
Surrogate: o-Terphenyl	95.8 %		70-130		P2E1306	05/13/22 16:00	05/14/22 04:15	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.1	mg/kg dry	1	[CALC]	05/13/22 16:00	05/14/22 04:15	calc	

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: 1029
Project Manager: Conner Moehring

T-2 @ (5')
2E12003-16 (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	0.00116	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 01:39	EPA 8021B	
Toluene	ND	0.00116	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 01:39	EPA 8021B	
Ethylbenzene	ND	0.00116	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 01:39	EPA 8021B	
Xylene (p/m)	ND	0.00233	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 01:39	EPA 8021B	
Xylene (o)	ND	0.00116	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 01:39	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	106 %		80-120		P2E1310	05/13/22 16:43	05/14/22 01:39	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.1 %		80-120		P2E1310	05/13/22 16:43	05/14/22 01:39	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	9490	29.1	mg/kg dry	25	P2E1701	05/17/22 09:00	05/17/22 11:47	EPA 300.0	
% Moisture	14.0	0.1	%	1	P2E1604	05/16/22 11:52	05/16/22 11:58	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.1	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 04:38	TPH 8015M	
>C12-C28	ND	29.1	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 04:38	TPH 8015M	
>C28-C35	ND	29.1	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 04:38	TPH 8015M	
Surrogate: 1-Chlorooctane	85.0 %		70-130		P2E1306	05/13/22 16:00	05/14/22 04:38	TPH 8015M	
Surrogate: o-Terphenyl	100 %		70-130		P2E1306	05/13/22 16:00	05/14/22 04:38	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.1	mg/kg dry	1	[CALC]	05/13/22 16:00	05/14/22 04:38	calc	

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: 1029
Project Manager: Conner Moehring

T-2 @ (6')
2E12003-17 (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	0.00112	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 02:00	EPA 8021B	
Toluene	ND	0.00112	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 02:00	EPA 8021B	
Ethylbenzene	ND	0.00112	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 02:00	EPA 8021B	
Xylene (p/m)	ND	0.00225	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 02:00	EPA 8021B	
Xylene (o)	ND	0.00112	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 02:00	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	97.7 %		80-120		P2E1310	05/13/22 16:43	05/14/22 02:00	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	108 %		80-120		P2E1310	05/13/22 16:43	05/14/22 02:00	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	9930	11.2	mg/kg dry	10	P2E1701	05/17/22 09:00	05/17/22 12:07	EPA 300.0	
% Moisture	11.0	0.1	%	1	P2E1604	05/16/22 11:52	05/16/22 11:58	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.1	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 05:00	TPH 8015M	
>C12-C28	ND	28.1	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 05:00	TPH 8015M	
>C28-C35	ND	28.1	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 05:00	TPH 8015M	
Surrogate: 1-Chlorooctane	80.0 %		70-130		P2E1306	05/13/22 16:00	05/14/22 05:00	TPH 8015M	
Surrogate: o-Terphenyl	92.6 %		70-130		P2E1306	05/13/22 16:00	05/14/22 05:00	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.1	mg/kg dry	1	[CALC]	05/13/22 16:00	05/14/22 05:00	calc	

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: 1029
Project Manager: Conner Moehring

T-2 @ (7')
2E12003-18 (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	0.00118	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 02:21	EPA 8021B	
Toluene	ND	0.00118	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 02:21	EPA 8021B	
Ethylbenzene	ND	0.00118	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 02:21	EPA 8021B	
Xylene (p/m)	ND	0.00235	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 02:21	EPA 8021B	
Xylene (o)	ND	0.00118	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 02:21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.5 %		80-120		P2E1310	05/13/22 16:43	05/14/22 02:21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	108 %		80-120		P2E1310	05/13/22 16:43	05/14/22 02:21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	12200	29.4	mg/kg dry	25	P2E1701	05/17/22 09:00	05/17/22 12:26	EPA 300.0	
% Moisture	15.0	0.1	%	1	P2E1604	05/16/22 11:52	05/16/22 11:58	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.4	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 05:22	TPH 8015M	
>C12-C28	ND	29.4	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 05:22	TPH 8015M	
>C28-C35	ND	29.4	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 05:22	TPH 8015M	
Surrogate: 1-Chlorooctane	65.7 %		70-130		P2E1306	05/13/22 16:00	05/14/22 05:22	TPH 8015M	S-GC
Surrogate: o-Terphenyl	77.2 %		70-130		P2E1306	05/13/22 16:00	05/14/22 05:22	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.4	mg/kg dry	1	[CALC]	05/13/22 16:00	05/14/22 05:22	calc	

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: 1029
Project Manager: Conner Moehring

T-2 @ (8')
2E12003-19 (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	0.00115	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 02:43	EPA 8021B	
Toluene	ND	0.00115	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 02:43	EPA 8021B	
Ethylbenzene	ND	0.00115	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 02:43	EPA 8021B	
Xylene (p/m)	ND	0.00230	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 02:43	EPA 8021B	
Xylene (o)	ND	0.00115	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 02:43	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	97.2 %		80-120		P2E1310	05/13/22 16:43	05/14/22 02:43	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	108 %		80-120		P2E1310	05/13/22 16:43	05/14/22 02:43	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	11300	28.7	mg/kg dry	25	P2E1701	05/17/22 09:00	05/17/22 12:46	EPA 300.0	
% Moisture	13.0	0.1	%	1	P2E1604	05/16/22 11:52	05/16/22 11:58	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.7	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 05:44	TPH 8015M	
>C12-C28	ND	28.7	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 05:44	TPH 8015M	
>C28-C35	ND	28.7	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 05:44	TPH 8015M	
Surrogate: 1-Chlorooctane	79.8 %		70-130		P2E1306	05/13/22 16:00	05/14/22 05:44	TPH 8015M	
Surrogate: o-Terphenyl	94.4 %		70-130		P2E1306	05/13/22 16:00	05/14/22 05:44	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.7	mg/kg dry	1	[CALC]	05/13/22 16:00	05/14/22 05:44	calc	

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: 1029
Project Manager: Conner Moehring

Background #1
2E12003-20 (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	0.00100	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 03:04	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 03:04	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 03:04	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 03:04	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P2E1310	05/13/22 16:43	05/14/22 03:04	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	98.1 %		80-120		P2E1310	05/13/22 16:43	05/14/22 03:04	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	106 %		80-120		P2E1310	05/13/22 16:43	05/14/22 03:04	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	99.0	1.00	mg/kg dry	1	P2E1701	05/17/22 09:00	05/17/22 13:06	EPA 300.0	
% Moisture	ND	0.1	%	1	P2E1604	05/16/22 11:52	05/16/22 11:58	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 06:07	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 06:07	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P2E1306	05/13/22 16:00	05/14/22 06:07	TPH 8015M	
Surrogate: 1-Chlorooctane	88.2 %		70-130		P2E1306	05/13/22 16:00	05/14/22 06:07	TPH 8015M	
Surrogate: o-Terphenyl	96.2 %		70-130		P2E1306	05/13/22 16:00	05/14/22 06:07	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	05/13/22 16:00	05/14/22 06:07	calc	

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: 1029
Project Manager: Conner Moehring

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 P2E1310 - General Preparation (GC)

Blank (P2E1310-BLK1)

Prepared & Analyzed: 05/13/22

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	0.115		"	0.120		96.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	80-120			

LCS (P2E1310-BS1)

Prepared & Analyzed: 05/13/22

Benzene	0.0804	0.00100	mg/kg	0.100		80.4	80-120			
Toluene	0.109	0.00100	"	0.100		109	80-120			
Ethylbenzene	0.118	0.00100	"	0.100		118	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		120	80-120			
Xylene (o)	0.120	0.00100	"	0.100		120	80-120			
Surrogate: 4-Bromofluorobenzene	0.135		"	0.120		113	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

LCS Dup (P2E1310-BSD1)

Prepared & Analyzed: 05/13/22

Benzene	0.0801	0.00100	mg/kg	0.100		80.1	80-120	0.386	20	
Toluene	0.108	0.00100	"	0.100		108	80-120	1.13	20	
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120	1.43	20	
Xylene (p/m)	0.238	0.00200	"	0.200		119	80-120	0.389	20	
Xylene (o)	0.120	0.00100	"	0.100		120	80-120	0.167	20	
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.134		"	0.120		112	80-120			

Calibration Blank (P2E1310-CCB1)

Prepared & Analyzed: 05/13/22

Benzene	0.450		ug/kg							
Toluene	0.270		"							
Ethylbenzene	0.160		"							
Xylene (p/m)	0.230		"							
Xylene (o)	0.140		"							
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	80-120			

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: 1029
Project Manager: Conner Moehring

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 P2E1310 - General Preparation (GC)

Calibration Blank (P2E1310-CCB2)

Prepared & Analyzed: 05/13/22

Benzene	0.230		ug/kg							
Toluene	0.220		"							
Ethylbenzene	0.290		"							
Xylene (p/m)	0.470		"							
Xylene (o)	0.180		"							
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.4	80-120			

Calibration Blank (P2E1310-CCB3)

Prepared: 05/13/22 Analyzed: 05/14/22

Benzene	0.200		ug/kg							
Toluene	0.450		"							
Ethylbenzene	0.320		"							
Xylene (p/m)	0.380		"							
Xylene (o)	0.320		"							
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.5	80-120			

Calibration Check (P2E1310-CCV1)

Prepared & Analyzed: 05/13/22

Benzene	0.0943	0.00100	mg/kg	0.102		92.4	80-120			
Toluene	0.0922	0.00100	"	0.102		90.4	80-120			
Ethylbenzene	0.0946	0.00100	"	0.102		92.7	80-120			
Xylene (p/m)	0.199	0.00200	"	0.204		97.7	80-120			
Xylene (o)	0.0970	0.00100	"	0.102		95.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.5	75-125			
Surrogate: 4-Bromofluorobenzene	0.131		"	0.120		109	75-125			

Calibration Check (P2E1310-CCV2)

Prepared & Analyzed: 05/13/22

Benzene	0.110	0.00100	mg/kg	0.102		108	80-120			
Toluene	0.108	0.00100	"	0.102		106	80-120			
Ethylbenzene	0.110	0.00100	"	0.102		108	80-120			
Xylene (p/m)	0.228	0.00200	"	0.204		112	80-120			
Xylene (o)	0.112	0.00100	"	0.102		109	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.4	75-125			
Surrogate: 4-Bromofluorobenzene	0.131		"	0.120		109	75-125			

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: 1029
Project Manager: Conner Moehring

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 P2E1310 - General Preparation (GC)

Calibration Check (P2E1310-CCV3)

Prepared: 05/13/22 Analyzed: 05/14/22

Benzene	0.113	0.00100	mg/kg	0.102		111	80-120			
Toluene	0.109	0.00100	"	0.102		107	80-120			
Ethylbenzene	0.110	0.00100	"	0.102		108	80-120			
Xylene (p/m)	0.228	0.00200	"	0.204		112	80-120			
Xylene (o)	0.114	0.00100	"	0.102		112	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.2	75-125			
Surrogate: 4-Bromofluorobenzene	0.134		"	0.120		111	75-125			

Matrix Spike (P2E1310-MS1)

Source: 2E12003-01

Prepared: 05/13/22 Analyzed: 05/14/22

Benzene	0.0681	0.00110	mg/kg dry	0.110	ND	62.0	80-120			QM-05
Toluene	0.0848	0.00110	"	0.110	ND	77.2	80-120			QM-05
Ethylbenzene	0.0918	0.00110	"	0.110	ND	83.6	80-120			
Xylene (p/m)	0.176	0.00220	"	0.220	ND	80.0	80-120			
Xylene (o)	0.0846	0.00110	"	0.110	ND	77.0	80-120			QM-05
Surrogate: 1,4-Difluorobenzene	0.130		"	0.132		98.3	80-120			
Surrogate: 4-Bromofluorobenzene	0.147		"	0.132		111	80-120			

Matrix Spike Dup (P2E1310-MSD1)

Source: 2E12003-01

Prepared: 05/13/22 Analyzed: 05/14/22

Benzene	0.0694	0.00110	mg/kg dry	0.110	ND	63.2	80-120	1.84	20	QM-05
Toluene	0.0868	0.00110	"	0.110	ND	79.0	80-120	2.33	20	QM-05
Ethylbenzene	0.0953	0.00110	"	0.110	ND	86.7	80-120	3.68	20	
Xylene (p/m)	0.183	0.00220	"	0.220	ND	83.5	80-120	4.18	20	
Xylene (o)	0.0889	0.00110	"	0.110	ND	80.9	80-120	4.97	20	
Surrogate: 4-Bromofluorobenzene	0.146		"	0.132		111	80-120			
Surrogate: 1,4-Difluorobenzene	0.131		"	0.132		99.4	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: 1029
Project Manager: Conner Moehring

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
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Batch P2E1305 - * DEFAULT PREP *****

Blank (P2E1305-BLK1)

Prepared & Analyzed: 05/13/22

Chloride	ND	1.00	mg/kg
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LCS (P2E1305-BS1)

Prepared & Analyzed: 05/13/22

Chloride	41.0		mg/kg	40.0	103	90-110
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LCS Dup (P2E1305-BSD1)

Prepared & Analyzed: 05/13/22

Chloride	41.1		mg/kg	40.0	103	90-110	0.251	10
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Calibration Blank (P2E1305-CCB1)

Prepared & Analyzed: 05/13/22

Chloride	0.0270		mg/kg
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Calibration Blank (P2E1305-CCB2)

Prepared: 05/13/22 Analyzed: 05/14/22

Chloride	0.0390		mg/kg
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Calibration Check (P2E1305-CCV1)

Prepared & Analyzed: 05/13/22

Chloride	21.2		mg/kg	20.0	106	90-110
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Calibration Check (P2E1305-CCV2)

Prepared: 05/13/22 Analyzed: 05/14/22

Chloride	21.3		mg/kg	20.0	107	90-110
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Calibration Check (P2E1305-CCV3)

Prepared: 05/13/22 Analyzed: 05/14/22

Chloride	21.5		mg/kg	20.0	108	90-110
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Matrix Spike (P2E1305-MS1)

Source: 2E13007-01

Prepared & Analyzed: 05/13/22

Chloride	845	1.14	mg/kg dry	284	598	86.9	80-120
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Matrix Spike (P2E1305-MS2)

Source: 2E12003-05

Prepared: 05/13/22 Analyzed: 05/14/22

Chloride	7670	5.38	mg/kg dry	269	7420	94.6	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: 1029
Project Manager: Conner Moehring

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
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Batch P2E1305 - * DEFAULT PREP *****

Matrix Spike Dup (P2E1305-MSD1)	Source: 2E13007-01		Prepared & Analyzed: 05/13/22							
Chloride	784	1.14	mg/kg dry	284	598	65.4	80-120	7.48	20	QM-05
Matrix Spike Dup (P2E1305-MSD2)	Source: 2E12003-05		Prepared: 05/13/22 Analyzed: 05/14/22							
Chloride	7650	5.38	mg/kg dry	269	7420	86.1	80-120	0.301	20	

Batch P2E1604 - * DEFAULT PREP *****

Blank (P2E1604-BLK1)	Prepared & Analyzed: 05/16/22									
% Moisture	ND	0.1	%							
Duplicate (P2E1604-DUP1)	Source: 2E12003-09		Prepared & Analyzed: 05/16/22							
% Moisture	16.0	0.1	%		15.0			6.45	20	
Duplicate (P2E1604-DUP2)	Source: 2E12003-19		Prepared & Analyzed: 05/16/22							
% Moisture	12.0	0.1	%		13.0			8.00	20	

Batch P2E1701 - * DEFAULT PREP *****

Blank (P2E1701-BLK1)	Prepared & Analyzed: 05/17/22									
Chloride	ND	1.00	mg/kg							
LCS (P2E1701-BS1)	Prepared & Analyzed: 05/17/22									
Chloride	41.7		mg/kg	40.0		104	90-110			
LCS Dup (P2E1701-BSD1)	Prepared & Analyzed: 05/17/22									
Chloride	40.9		mg/kg	40.0		102	90-110	1.78	10	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Carmona Resources	Project: Laguna Grande Unit 7 ROW
310 West W Wall Ste. 415	Project Number: 1029
Midland TX, 79701	Project Manager: Conner Moehring

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
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Batch P2E1701 - *** DEFAULT PREP ***

Calibration Check (P2E1701-CCV1)	Prepared & Analyzed: 05/17/22									
Chloride	20.2		mg/kg	20.0		101	90-110			

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: 1029
Project Manager: Conner Moehring

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 P2E1306 - TX 1005

Blank (P2E1306-BLK1)

Prepared & Analyzed: 05/13/22

C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	86.1		"	100		86.1	70-130			
Surrogate: o-Terphenyl	52.0		"	50.0		104	70-130			

LCS (P2E1306-BS1)

Prepared & Analyzed: 05/13/22

C6-C12	998	25.0	mg/kg	1000		99.8	75-125			
>C12-C28	1130	25.0	"	1000		113	75-125			
Surrogate: 1-Chlorooctane	121		"	100		121	70-130			
Surrogate: o-Terphenyl	54.4		"	50.0		109	70-130			

LCS Dup (P2E1306-BS1)

Prepared & Analyzed: 05/13/22

C6-C12	1030	25.0	mg/kg	1000		103	75-125	3.07	20	
>C12-C28	1170	25.0	"	1000		117	75-125	3.78	20	
Surrogate: 1-Chlorooctane	126		"	100		126	70-130			
Surrogate: o-Terphenyl	58.6		"	50.0		117	70-130			

Calibration Check (P2E1306-CCV1)

Prepared & Analyzed: 05/13/22

C6-C12	518	25.0	mg/kg	500		104	85-115			
>C12-C28	514	25.0	"	500		103	85-115			
Surrogate: 1-Chlorooctane	108		"	100		108	70-130			
Surrogate: o-Terphenyl	51.2		"	50.0		102	70-130			

Calibration Check (P2E1306-CCV2)

Prepared: 05/13/22 Analyzed: 05/14/22

C6-C12	500	25.0	mg/kg	500		100	85-115			
>C12-C28	515	25.0	"	500		103	85-115			
Surrogate: 1-Chlorooctane	103		"	100		103	70-130			
Surrogate: o-Terphenyl	49.6		"	50.0		99.2	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: 1029
Project Manager: Conner Moehring

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 P2E1306 - TX 1005

Calibration Check (P2E1306-CCV3)

Prepared: 05/13/22 Analyzed: 05/14/22

C6-C12	515	25.0	mg/kg	500		103	85-115			
>C12-C28	482	25.0	"	500		96.4	85-115			
Surrogate: 1-Chlorooctane	108		"	100		108	70-130			
Surrogate: o-Terphenyl	50.2		"	50.0		100	70-130			

Duplicate (P2E1306-DUP1)

Source: 2E12003-20

Prepared: 05/13/22 Analyzed: 05/14/22

C6-C12	12.0	25.0	mg/kg dry		ND				20	
>C12-C28	14.8	25.0	"		15.0			1.54	20	
Surrogate: 1-Chlorooctane	81.5		"	100		81.5	70-130			
Surrogate: o-Terphenyl	44.6		"	50.0		89.2	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: 1029
Project Manager: Conner Moehring

Notes and Definitions

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

ROI Received on Ice

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: 5/17/2022

Brent Barron, Laboratory Director/Technical Director

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: 1029
Project Manager: Conner Moehring

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If you have received this material in error, please notify us immediately at 432-686-7235.

Chain of Custody

L 7B

Work Order No: 2612003

Project Manager:	Conner Moehring	Bill to: (if different)	Laci Luig
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:	432-813-6823	Email:	laci.luig@coferra.com

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

Project Name:	Laguna Grande Unit 7 ROW	Turn Around		ANALYSIS REQUEST												Preservative Codes						
Project Number:	1029	☐ Routine	☒ Rush	Due Date:	72 Hours													None: NO	DI Water: H ₂ O			
Project Location:	Eddy Co. NM																	Cool: Cool	MeOH: Me			
Sampler's Name:	CRM																	HCL: HC	HNO ₃ : HN			
PO #:																		H ₂ SO ₄ : H ₂	NaOH: Na			
SAMPLE RECEIPT	Temp Blank:	Yes	No	Yes	No	Wet Ice:	Yes	No													H ₃ PO ₄ : HP	
Received Intact:	Yes	No	Thermometer ID:													NaHSO ₄ : NABIS						
Cooler Custody Seals:	Yes	No	N/A	Correction Factor:													Na ₂ S ₂ O ₃ : NaSO ₃					
Sample Custody Seals:	Yes	No	N/A	Temperature Reading:													Zn Acetate+NaOH: Zn					
Total Containers:			Corrected Temperature:													NaOH+Ascorbic Acid: SANC						
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments			
T-1 (0-0.5')	5/11/2022		X		G	1	BTEX 8021B															
T-1 (1')	5/11/2022		X		G	1	TPH 8015M (GRO + DRO + MRO)															
T-1 (2')	5/11/2022		X		G	1	Chloride 300.0															
T-1 (3')	5/11/2022		X		G	1																
T-1 (4')	5/11/2022		X		G	1																
T-1 (5')	5/11/2022		X		G	1																
T-1 (6')	5/11/2022		X		G	1																
T-1 (7')	5/11/2022		X		G	1																
T-1 (8')	5/11/2022		X		G	1																
T-1 (9')	5/11/2022		X		G	1																

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

3.10E L1 2.10E

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Conner Moehring	5/12/22 8:27	Luigi	5/12/22 8:30

Chain of Custody

Work Order No: 2612003

Page 2 of 2

Project Manager:	Conner Moehring	Bill to: (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cinrax 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:	432-813-6823	Email:	laci.luig@coterra.com

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

Project Name:	Laguna Grande Unit 7 ROW	Turn Around	☐ Routine ☒ Rush	Pres. Code	ANALYSIS REQUEST										Preservative Codes			
Project Number:	1029	Due Date:	72 Hours													None: NO	DI Water: H ₂ O	
Project Location:	CRM															Cool: Cool	MeOH: Me	
Sampler's Name:																HCL: HC	HNO ₃ : HN	
PO #:																H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT	Temp Blank	Yes	No	Wet Ice	Yes	No	Parameters										HOLD	
Received Intact:	Yes	No	Thermometer ID:				BTEX 8021B										NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes	No	Correction Factor:				TPH 8015M (GRO + DRO + MRO)										Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes	No	Temperature Reading:				Chloride 300.0										Zn Acetate+NaOH: Zn	
Total Containers:			Corrected Temperature:													NaOH+Ascorbic Acid: SAPC		
Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont										Sample Comments		
T-2 (0-0.5')	5/11/2022		X		G	1	X	X	X	X								
T-2 (1')	5/11/2022		X		G	1	X	X	X	X								
T-2 (2')	5/11/2022		X		G	1	X	X	X	X								
T-2 (3')	5/11/2022		X		G	1	X	X	X	X								
T-2 (4')	5/11/2022		X		G	1	X	X	X	X								
T-2 (5')	5/11/2022		X		G	1	X	X	X	X								
T-2 (6')	5/11/2022		X		G	1	X	X	X	X								
T-2 (7')	5/11/2022		X		G	1	X	X	X	X								
T-2 (8')	5/11/2022		X		G	1	X	X	X	X								
Background #1	5/11/2022		X		G	1	X	X	X	X								

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Mike Carmona	5.18.22 4:27	Sara Lu	5.17.22 8:30



DOC #: PBEL_SAMPLE_CHECKLIST
REVISION #: PBEL_2021_1
REVISION Date: 10/30/2021
EFFECTIVE DATE: 10/30/2021

Sample Receipt Checklist

Yes	Notes
☒	
Chain of custody signed/dated/time when relinquished and received?	
Samples and seals present on delivery at samples?	
Samplers name present on COC?	
Sample containers intact?	
Samples in proper container/bottle?	
All samples received within holding time?	
Analysis requested for all samples submitted?	
Shipping seals intact/verified against label?	
Custody seals intact on shipping container/cooler?	

Login Notes:

202

2E12003



DOC #: PBEL_SAMPLE_CHECKLIST
REVISION #: PBEL_2021_1
REVISION Date: 10/30/2021
EFFECTIVE DATE: 10/30/2021

SAMPLE VARIANCE/NON-CONFORMANCE

Variance/Discrepancy:

Resolution:

Client Contacted
Name:
Date/Time:
NC Initiated by: Approved by:



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-15961-1

Laboratory Sample Delivery Group: Eddy Co, NM
Client Project/Site: Laguna Grande Unit 7 ROW

For:

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

Attn: Conner Moehring

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

Authorized for release by:

6/22/2022 2:08:20 PM

Jessica Kramer, Project Manager
(432)704-5440

Jessica.Kramer@et.eurofinsus.com

LINKS

Review your project
results through



Have a Question?



Visit us at:

www.eurofinsus.com/Env

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

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

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

Laboratory Job ID: 880-15961-1
SDG: Eddy Co, NM

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Definitions/Glossary

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

Job ID: 880-15961-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-15961-1

Receipt

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

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH-1 (17') (880-15961-17) and BG-1 (20') (880-15961-25). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-27720 and analytical batch 880-27643 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: BH-1 (19') (880-15961-19). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The method blank for preparation batch 880-27921 and analytical batch 880-27893 contained Gasoline Range Organics (GRO)-C6-C10 and Total TPH above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-27814 and 880-27814 and analytical batch 880-28073 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: 880-15961-1
SDG: Eddy Co, NM

Client Sample ID: BH-1 (0-1')

Lab Sample ID: 880-15961-1

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/17/22 16:37	06/21/22 05:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/17/22 16:37	06/21/22 05:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/17/22 16:37	06/21/22 05:12	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/17/22 16:37	06/21/22 05:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/17/22 16:37	06/21/22 05:12	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/17/22 16:37	06/21/22 05:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	06/17/22 16:37	06/21/22 05:12	1
1,4-Difluorobenzene (Surr)	90		70 - 130	06/17/22 16:37	06/21/22 05:12	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/21/22 11:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/16/22 09:52	06/18/22 00:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/16/22 09:52	06/18/22 00:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/16/22 09:52	06/18/22 00:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	06/16/22 09:52	06/18/22 00:12	1
o-Terphenyl	108		70 - 130	06/16/22 09:52	06/18/22 00:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10200		50.4		mg/Kg			06/22/22 03:34	10

Client Sample ID: BH-1 (2')

Lab Sample ID: 880-15961-2

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/17/22 16:37	06/21/22 05:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/17/22 16:37	06/21/22 05:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/17/22 16:37	06/21/22 05:32	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/17/22 16:37	06/21/22 05:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/17/22 16:37	06/21/22 05:32	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/17/22 16:37	06/21/22 05:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	06/17/22 16:37	06/21/22 05:32	1
1,4-Difluorobenzene (Surr)	90		70 - 130	06/17/22 16:37	06/21/22 05:32	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

Client Sample ID: BH-1 (2')

Lab Sample ID: 880-15961-2

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/21/22 11:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/16/22 09:52	06/18/22 01:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/16/22 09:52	06/18/22 01:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/16/22 09:52	06/18/22 01:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				06/16/22 09:52	06/18/22 01:15	1
o-Terphenyl	97		70 - 130				06/16/22 09:52	06/18/22 01:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7190		49.8		mg/Kg			06/22/22 04:02	10

Client Sample ID: BH-1 (3')

Lab Sample ID: 880-15961-3

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/17/22 16:37	06/21/22 05:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/17/22 16:37	06/21/22 05:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/17/22 16:37	06/21/22 05:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/17/22 16:37	06/21/22 05:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/17/22 16:37	06/21/22 05:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/17/22 16:37	06/21/22 05:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				06/17/22 16:37	06/21/22 05:53	1
1,4-Difluorobenzene (Surr)	91		70 - 130				06/17/22 16:37	06/21/22 05:53	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/21/22 11:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/16/22 09:52	06/18/22 01:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/22 09:52	06/18/22 01:36	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

Client Sample ID: BH-1 (3')

Lab Sample ID: 880-15961-3

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/22 09:52	06/18/22 01:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				06/16/22 09:52	06/18/22 01:36	1
o-Terphenyl	97		70 - 130				06/16/22 09:52	06/18/22 01:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6540		49.5		mg/Kg			06/22/22 04:11	10

Client Sample ID: BH-1 (4')

Lab Sample ID: 880-15961-4

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/17/22 16:37	06/21/22 06:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/17/22 16:37	06/21/22 06:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/17/22 16:37	06/21/22 06:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/17/22 16:37	06/21/22 06:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/17/22 16:37	06/21/22 06:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/17/22 16:37	06/21/22 06:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				06/17/22 16:37	06/21/22 06:13	1
1,4-Difluorobenzene (Surr)	89		70 - 130				06/17/22 16:37	06/21/22 06:13	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/21/22 11:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/16/22 09:52	06/18/22 01:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/22 09:52	06/18/22 01:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/22 09:52	06/18/22 01:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				06/16/22 09:52	06/18/22 01:57	1
o-Terphenyl	105		70 - 130				06/16/22 09:52	06/18/22 01:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6410		50.0		mg/Kg			06/22/22 04:20	10

Eurofins Midland

Client Sample Results

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

Client Sample ID: BH-1 (5')

Lab Sample ID: 880-15961-5

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/17/22 16:37	06/21/22 06:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/17/22 16:37	06/21/22 06:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/17/22 16:37	06/21/22 06:34	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/17/22 16:37	06/21/22 06:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/17/22 16:37	06/21/22 06:34	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/17/22 16:37	06/21/22 06:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	06/17/22 16:37	06/21/22 06:34	1
1,4-Difluorobenzene (Surr)	87		70 - 130	06/17/22 16:37	06/21/22 06:34	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/21/22 11:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/16/22 09:52	06/18/22 02:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/16/22 09:52	06/18/22 02:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/16/22 09:52	06/18/22 02:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	06/16/22 09:52	06/18/22 02:18	1
o-Terphenyl	110		70 - 130	06/16/22 09:52	06/18/22 02:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8100		49.9		mg/Kg			06/22/22 04:29	10

Client Sample ID: BH-1 (6')

Lab Sample ID: 880-15961-6

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/17/22 16:37	06/21/22 06:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/17/22 16:37	06/21/22 06:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/17/22 16:37	06/21/22 06:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/17/22 16:37	06/21/22 06:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/17/22 16:37	06/21/22 06:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/17/22 16:37	06/21/22 06:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	06/17/22 16:37	06/21/22 06:54	1
1,4-Difluorobenzene (Surr)	90		70 - 130	06/17/22 16:37	06/21/22 06:54	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

Client Sample ID: BH-1 (6')

Lab Sample ID: 880-15961-6

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/21/22 11:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/16/22 09:52	06/18/22 02:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/22 09:52	06/18/22 02:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/22 09:52	06/18/22 02:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				06/16/22 09:52	06/18/22 02:38	1
o-Terphenyl	100		70 - 130				06/16/22 09:52	06/18/22 02:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4870		50.0		mg/Kg			06/22/22 04:39	10

Client Sample ID: BH-1 (7')

Lab Sample ID: 880-15961-7

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/17/22 16:37	06/21/22 07:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/17/22 16:37	06/21/22 07:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/17/22 16:37	06/21/22 07:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/17/22 16:37	06/21/22 07:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/17/22 16:37	06/21/22 07:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/17/22 16:37	06/21/22 07:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				06/17/22 16:37	06/21/22 07:15	1
1,4-Difluorobenzene (Surr)	91		70 - 130				06/17/22 16:37	06/21/22 07:15	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/21/22 11:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/16/22 09:52	06/18/22 02:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/16/22 09:52	06/18/22 02:59	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

Client Sample ID: BH-1 (7')

Lab Sample ID: 880-15961-7

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/16/22 09:52	06/18/22 02:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				06/16/22 09:52	06/18/22 02:59	1
o-Terphenyl	116		70 - 130				06/16/22 09:52	06/18/22 02:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8220		50.1		mg/Kg			06/22/22 06:47	10

Client Sample ID: BH-1 (8')

Lab Sample ID: 880-15961-8

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/17/22 16:37	06/21/22 07:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/17/22 16:37	06/21/22 07:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/17/22 16:37	06/21/22 07:35	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/17/22 16:37	06/21/22 07:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/17/22 16:37	06/21/22 07:35	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/17/22 16:37	06/21/22 07:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				06/17/22 16:37	06/21/22 07:35	1
1,4-Difluorobenzene (Surr)	89		70 - 130				06/17/22 16:37	06/21/22 07:35	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/21/22 11:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/16/22 09:52	06/18/22 03:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/22 09:52	06/18/22 03:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/22 09:52	06/18/22 03:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				06/16/22 09:52	06/18/22 03:20	1
o-Terphenyl	98		70 - 130				06/16/22 09:52	06/18/22 03:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5510	F1	50.5		mg/Kg			06/21/22 22:20	10

Eurofins Midland

Client Sample Results

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

Client Sample ID: BH-1 (9')

Lab Sample ID: 880-15961-9

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/17/22 16:37	06/21/22 07:56	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/17/22 16:37	06/21/22 07:56	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/17/22 16:37	06/21/22 07:56	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/17/22 16:37	06/21/22 07:56	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/17/22 16:37	06/21/22 07:56	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/17/22 16:37	06/21/22 07:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	06/17/22 16:37	06/21/22 07:56	1
1,4-Difluorobenzene (Surr)	91		70 - 130	06/17/22 16:37	06/21/22 07:56	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/21/22 11:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/16/22 09:52	06/18/22 03:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/22 09:52	06/18/22 03:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/22 09:52	06/18/22 03:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	06/16/22 09:52	06/18/22 03:41	1
o-Terphenyl	111		70 - 130	06/16/22 09:52	06/18/22 03:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7890		49.9		mg/Kg			06/21/22 22:39	10

Client Sample ID: BH-1 (10')

Lab Sample ID: 880-15961-10

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/17/22 16:37	06/21/22 08:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/17/22 16:37	06/21/22 08:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/17/22 16:37	06/21/22 08:16	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/17/22 16:37	06/21/22 08:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/17/22 16:37	06/21/22 08:16	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/17/22 16:37	06/21/22 08:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	06/17/22 16:37	06/21/22 08:16	1
1,4-Difluorobenzene (Surr)	92		70 - 130	06/17/22 16:37	06/21/22 08:16	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

Client Sample ID: BH-1 (10')

Lab Sample ID: 880-15961-10

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/21/22 11:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/16/22 09:52	06/18/22 04:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/22 09:52	06/18/22 04:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/22 09:52	06/18/22 04:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				06/16/22 09:52	06/18/22 04:02	1
o-Terphenyl	110		70 - 130				06/16/22 09:52	06/18/22 04:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2750		25.0		mg/Kg			06/21/22 22:45	5

Client Sample ID: BH-1 (11')

Lab Sample ID: 880-15961-11

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/20/22 15:20	06/21/22 13:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/20/22 15:20	06/21/22 13:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/20/22 15:20	06/21/22 13:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/20/22 15:20	06/21/22 13:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/20/22 15:20	06/21/22 13:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/20/22 15:20	06/21/22 13:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				06/20/22 15:20	06/21/22 13:49	1
1,4-Difluorobenzene (Surr)	109		70 - 130				06/20/22 15:20	06/21/22 13:49	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/21/22 11:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	87.4		49.9		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	87.4		49.9		mg/Kg		06/20/22 13:49	06/21/22 01:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/20/22 13:49	06/21/22 01:40	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

Client Sample ID: BH-1 (11')

Lab Sample ID: 880-15961-11

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/20/22 13:49	06/21/22 01:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				06/20/22 13:49	06/21/22 01:40	1
o-Terphenyl	111		70 - 130				06/20/22 13:49	06/21/22 01:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6390		50.2		mg/Kg			06/21/22 22:51	10

Client Sample ID: BH-1 (12')

Lab Sample ID: 880-15961-12

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/20/22 15:20	06/21/22 14:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/20/22 15:20	06/21/22 14:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/20/22 15:20	06/21/22 14:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/20/22 15:20	06/21/22 14:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/20/22 15:20	06/21/22 14:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/20/22 15:20	06/21/22 14:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				06/20/22 15:20	06/21/22 14:10	1
1,4-Difluorobenzene (Surr)	112		70 - 130				06/20/22 15:20	06/21/22 14:10	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/21/22 11:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	108		50.0		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	108		50.0		mg/Kg		06/20/22 13:49	06/21/22 02:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/20/22 13:49	06/21/22 02:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/20/22 13:49	06/21/22 02:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				06/20/22 13:49	06/21/22 02:39	1
o-Terphenyl	111		70 - 130				06/20/22 13:49	06/21/22 02:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6990		50.0		mg/Kg			06/21/22 22:57	10

Eurofins Midland

Client Sample Results

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

Client Sample ID: BH-1 (13')

Lab Sample ID: 880-15961-13

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/20/22 15:20	06/21/22 14:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/20/22 15:20	06/21/22 14:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/20/22 15:20	06/21/22 14:30	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/20/22 15:20	06/21/22 14:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/20/22 15:20	06/21/22 14:30	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/20/22 15:20	06/21/22 14:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	06/20/22 15:20	06/21/22 14:30	1
1,4-Difluorobenzene (Surr)	109		70 - 130	06/20/22 15:20	06/21/22 14:30	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/21/22 11:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	108		49.9		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	108		49.9		mg/Kg		06/20/22 13:49	06/21/22 02:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/20/22 13:49	06/21/22 02:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/20/22 13:49	06/21/22 02:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				06/20/22 13:49	06/21/22 02:59	1
o-Terphenyl	91		70 - 130				06/20/22 13:49	06/21/22 02:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1910		24.9		mg/Kg			06/21/22 23:16	5

Client Sample ID: BH-1 (14')

Lab Sample ID: 880-15961-14

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/20/22 15:20	06/21/22 14:51	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/20/22 15:20	06/21/22 14:51	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/20/22 15:20	06/21/22 14:51	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/20/22 15:20	06/21/22 14:51	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/20/22 15:20	06/21/22 14:51	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/20/22 15:20	06/21/22 14:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	06/20/22 15:20	06/21/22 14:51	1
1,4-Difluorobenzene (Surr)	112		70 - 130	06/20/22 15:20	06/21/22 14:51	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

Client Sample ID: BH-1 (14')

Lab Sample ID: 880-15961-14

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/21/22 11:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/20/22 13:49	06/21/22 03:18	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/20/22 13:49	06/21/22 03:18	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/20/22 13:49	06/21/22 03:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				06/20/22 13:49	06/21/22 03:18	1
o-Terphenyl	87		70 - 130				06/20/22 13:49	06/21/22 03:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2800		24.9		mg/Kg			06/21/22 23:23	5

Client Sample ID: BH-1 (15')

Lab Sample ID: 880-15961-15

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/20/22 15:20	06/21/22 15:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/20/22 15:20	06/21/22 15:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/20/22 15:20	06/21/22 15:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/20/22 15:20	06/21/22 15:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/20/22 15:20	06/21/22 15:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/20/22 15:20	06/21/22 15:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				06/20/22 15:20	06/21/22 15:12	1
1,4-Difluorobenzene (Surr)	98		70 - 130				06/20/22 15:20	06/21/22 15:12	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/21/22 11:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	67.0		49.9		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	67.0		49.9		mg/Kg		06/20/22 13:49	06/21/22 03:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/20/22 13:49	06/21/22 03:38	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

Client Sample ID: BH-1 (15')

Lab Sample ID: 880-15961-15

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/20/22 13:49	06/21/22 03:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				06/20/22 13:49	06/21/22 03:38	1
o-Terphenyl	109		70 - 130				06/20/22 13:49	06/21/22 03:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4310		49.5		mg/Kg			06/21/22 23:29	10

Client Sample ID: BH-1 (16')

Lab Sample ID: 880-15961-16

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/20/22 15:20	06/21/22 17:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/20/22 15:20	06/21/22 17:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/20/22 15:20	06/21/22 17:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/20/22 15:20	06/21/22 17:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/20/22 15:20	06/21/22 17:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/20/22 15:20	06/21/22 17:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				06/20/22 15:20	06/21/22 17:17	1
1,4-Difluorobenzene (Surr)	103		70 - 130				06/20/22 15:20	06/21/22 17:17	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/21/22 11:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	103		50.0		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	103		50.0		mg/Kg		06/20/22 13:49	06/21/22 03:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/20/22 13:49	06/21/22 03:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/20/22 13:49	06/21/22 03:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				06/20/22 13:49	06/21/22 03:57	1
o-Terphenyl	103		70 - 130				06/20/22 13:49	06/21/22 03:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3790		49.9		mg/Kg			06/21/22 23:35	10

Eurofins Midland

Client Sample Results

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

Client Sample ID: BH-1 (17')

Lab Sample ID: 880-15961-17

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/20/22 15:20	06/21/22 17:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/20/22 15:20	06/21/22 17:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/20/22 15:20	06/21/22 17:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/20/22 15:20	06/21/22 17:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/20/22 15:20	06/21/22 17:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/20/22 15:20	06/21/22 17:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	46	S1-	70 - 130	06/20/22 15:20	06/21/22 17:38	1
1,4-Difluorobenzene (Surr)	109		70 - 130	06/20/22 15:20	06/21/22 17:38	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/21/22 11:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	98.6		50.0		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	98.6		50.0		mg/Kg		06/20/22 13:49	06/21/22 04:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/20/22 13:49	06/21/22 04:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/20/22 13:49	06/21/22 04:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	06/20/22 13:49	06/21/22 04:17	1
o-Terphenyl	108		70 - 130	06/20/22 13:49	06/21/22 04:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6330		50.0		mg/Kg			06/21/22 23:42	10

Client Sample ID: BH-1 (18')

Lab Sample ID: 880-15961-18

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/20/22 15:20	06/21/22 17:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/20/22 15:20	06/21/22 17:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/20/22 15:20	06/21/22 17:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/20/22 15:20	06/21/22 17:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/20/22 15:20	06/21/22 17:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/20/22 15:20	06/21/22 17:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	06/20/22 15:20	06/21/22 17:59	1
1,4-Difluorobenzene (Surr)	104		70 - 130	06/20/22 15:20	06/21/22 17:59	1

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Client Sample Results

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

Client Sample ID: BH-1 (18')

Lab Sample ID: 880-15961-18

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			06/21/22 11:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	68.9		49.9		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	68.9		49.9		mg/Kg		06/20/22 13:49	06/21/22 04:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/20/22 13:49	06/21/22 04:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/20/22 13:49	06/21/22 04:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				06/20/22 13:49	06/21/22 04:37	1
o-Terphenyl	90		70 - 130				06/20/22 13:49	06/21/22 04:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5040	F1	50.3		mg/Kg			06/21/22 23:48	10

Client Sample ID: BH-1 (19')

Lab Sample ID: 880-15961-19

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/20/22 15:20	06/21/22 18:19	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/20/22 15:20	06/21/22 18:19	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/20/22 15:20	06/21/22 18:19	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/20/22 15:20	06/21/22 18:19	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/20/22 15:20	06/21/22 18:19	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/20/22 15:20	06/21/22 18:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				06/20/22 15:20	06/21/22 18:19	1
1,4-Difluorobenzene (Surr)	114		70 - 130				06/20/22 15:20	06/21/22 18:19	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/21/22 11:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/20/22 13:49	06/21/22 00:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/20/22 13:49	06/21/22 00:41	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

Client Sample ID: BH-1 (19')

Lab Sample ID: 880-15961-19

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/20/22 13:49	06/21/22 00:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130				06/20/22 13:49	06/21/22 00:41	1
o-Terphenyl	149	S1+	70 - 130				06/20/22 13:49	06/21/22 00:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3840		50.0		mg/Kg			06/22/22 00:07	10

Client Sample ID: BH-1 (20')

Lab Sample ID: 880-15961-20

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/20/22 15:20	06/21/22 18:40	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/20/22 15:20	06/21/22 18:40	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/20/22 15:20	06/21/22 18:40	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/20/22 15:20	06/21/22 18:40	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/20/22 15:20	06/21/22 18:40	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/20/22 15:20	06/21/22 18:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				06/20/22 15:20	06/21/22 18:40	1
1,4-Difluorobenzene (Surr)	95		70 - 130				06/20/22 15:20	06/21/22 18:40	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			06/21/22 11:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/20/22 13:49	06/21/22 01:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/20/22 13:49	06/21/22 01:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/20/22 13:49	06/21/22 01:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				06/20/22 13:49	06/21/22 01:00	1
o-Terphenyl	126		70 - 130				06/20/22 13:49	06/21/22 01:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3750		49.8		mg/Kg			06/22/22 00:13	10

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Client Sample Results

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

Client Sample ID: BG-1 (0-1')

Lab Sample ID: 880-15961-21

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/20/22 15:20	06/21/22 19:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/20/22 15:20	06/21/22 19:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/20/22 15:20	06/21/22 19:01	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/20/22 15:20	06/21/22 19:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/20/22 15:20	06/21/22 19:01	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/20/22 15:20	06/21/22 19:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	06/20/22 15:20	06/21/22 19:01	1
1,4-Difluorobenzene (Surr)	90		70 - 130	06/20/22 15:20	06/21/22 19:01	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/21/22 11:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		06/16/22 15:34	06/16/22 22:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/16/22 15:34	06/16/22 22:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/16/22 15:34	06/16/22 22:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	06/16/22 15:34	06/16/22 22:31	1
o-Terphenyl	117		70 - 130	06/16/22 15:34	06/16/22 22:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1220		4.99		mg/Kg			06/22/22 00:32	1

Client Sample ID: BG-1 (5')

Lab Sample ID: 880-15961-22

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/20/22 15:20	06/21/22 19:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/20/22 15:20	06/21/22 19:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/20/22 15:20	06/21/22 19:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/20/22 15:20	06/21/22 19:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/20/22 15:20	06/21/22 19:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/20/22 15:20	06/21/22 19:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	06/20/22 15:20	06/21/22 19:22	1
1,4-Difluorobenzene (Surr)	99		70 - 130	06/20/22 15:20	06/21/22 19:22	1

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Client Sample Results

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

Client Sample ID: BG-1 (5')

Lab Sample ID: 880-15961-22

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/21/22 11:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		06/16/22 15:34	06/16/22 23:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/16/22 15:34	06/16/22 23:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/16/22 15:34	06/16/22 23:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				06/16/22 15:34	06/16/22 23:36	1
o-Terphenyl	101		70 - 130				06/16/22 15:34	06/16/22 23:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	93.6		4.97		mg/Kg			06/22/22 00:38	1

Client Sample ID: BG-1 (10')

Lab Sample ID: 880-15961-23

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/20/22 15:20	06/21/22 19:42	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/20/22 15:20	06/21/22 19:42	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/20/22 15:20	06/21/22 19:42	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/20/22 15:20	06/21/22 19:42	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/20/22 15:20	06/21/22 19:42	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/20/22 15:20	06/21/22 19:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				06/20/22 15:20	06/21/22 19:42	1
1,4-Difluorobenzene (Surr)	93		70 - 130				06/20/22 15:20	06/21/22 19:42	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/21/22 11:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		06/16/22 15:34	06/16/22 23:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/22 15:34	06/16/22 23:58	1

Eurofins Midland

Client Sample Results

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

Client Sample ID: BG-1 (10')

Lab Sample ID: 880-15961-23

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/22 15:34	06/16/22 23:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				06/16/22 15:34	06/16/22 23:58	1
o-Terphenyl	129		70 - 130				06/16/22 15:34	06/16/22 23:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	511		4.97		mg/Kg			06/22/22 00:45	1

Client Sample ID: BG-1 (15')

Lab Sample ID: 880-15961-24

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/20/22 15:20	06/21/22 20:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/20/22 15:20	06/21/22 20:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/20/22 15:20	06/21/22 20:03	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/20/22 15:20	06/21/22 20:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/20/22 15:20	06/21/22 20:03	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/20/22 15:20	06/21/22 20:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				06/20/22 15:20	06/21/22 20:03	1
1,4-Difluorobenzene (Surr)	92		70 - 130				06/20/22 15:20	06/21/22 20:03	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/21/22 11:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		06/16/22 15:34	06/17/22 00:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/22 15:34	06/17/22 00:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/22 15:34	06/17/22 00:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				06/16/22 15:34	06/17/22 00:19	1
o-Terphenyl	110		70 - 130				06/16/22 15:34	06/17/22 00:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	433		4.97		mg/Kg			06/22/22 00:51	1

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Client Sample Results

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

Client Sample ID: BG-1 (20')

Lab Sample ID: 880-15961-25

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/20/22 15:20	06/21/22 20:24	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/20/22 15:20	06/21/22 20:24	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/20/22 15:20	06/21/22 20:24	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/20/22 15:20	06/21/22 20:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/20/22 15:20	06/21/22 20:24	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/20/22 15:20	06/21/22 20:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	06/20/22 15:20	06/21/22 20:24	1
1,4-Difluorobenzene (Surr)	148	S1+	70 - 130	06/20/22 15:20	06/21/22 20:24	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			06/21/22 11:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/17/22 08:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		06/16/22 15:34	06/17/22 00:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/16/22 15:34	06/17/22 00:41	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/16/22 15:34	06/17/22 00:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	06/16/22 15:34	06/17/22 00:41	1
o-Terphenyl	105		70 - 130	06/16/22 15:34	06/17/22 00:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57.5		4.97		mg/Kg			06/22/22 00:57	1

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Surrogate Summary

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-15961-1	BH-1 (0-1')	113	90				
880-15961-2	BH-1 (2')	116	90				
880-15961-3	BH-1 (3')	115	91				
880-15961-4	BH-1 (4')	113	89				
880-15961-5	BH-1 (5')	111	87				
880-15961-6	BH-1 (6')	114	90				
880-15961-7	BH-1 (7')	114	91				
880-15961-8	BH-1 (8')	109	89				
880-15961-9	BH-1 (9')	112	91				
880-15961-10	BH-1 (10')	113	92				
880-15961-11	BH-1 (11')	93	109				
880-15961-12	BH-1 (12')	102	112				
880-15961-13	BH-1 (13')	97	109				
880-15961-14	BH-1 (14')	100	112				
880-15961-15	BH-1 (15')	112	98				
880-15961-16	BH-1 (16')	92	103				
880-15961-17	BH-1 (17')	46 S1-	109				
880-15961-18	BH-1 (18')	99	104				
880-15961-19	BH-1 (19')	116	114				
880-15961-20	BH-1 (20')	93	95				
880-15961-21	BG-1 (0-1')	105	90				
880-15961-22	BG-1 (5')	101	99				
880-15961-23	BG-1 (10')	95	93				
880-15961-24	BG-1 (15')	102	92				
880-15961-25	BG-1 (20')	112	148 S1+				
880-15997-A-1-E MS	Matrix Spike	99	101				
880-15997-A-1-F MSD	Matrix Spike Duplicate	97	100				
890-2415-A-35-C MS	Matrix Spike	112	100				
890-2415-A-35-D MSD	Matrix Spike Duplicate	112	96				
LCS 880-27842/1-A	Lab Control Sample	111	99				
LCS 880-27967/1-A	Lab Control Sample	89	108				
LCSD 880-27842/2-A	Lab Control Sample Dup	112	101				
LCSD 880-27967/2-A	Lab Control Sample Dup	92	107				
MB 880-27842/5-A	Method Blank	105	91				
MB 880-27878/5-A	Method Blank	99	91				
MB 880-27967/5-A	Method Blank	93	110				
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	OTPH1				
		(70-130)	(70-130)				
880-15961-1	BH-1 (0-1')	99	108				
880-15961-1 MS	BH-1 (0-1')	101	99				
880-15961-1 MSD	BH-1 (0-1')	100	98				

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-15961-1

Project/Site: Laguna Grande Unit 7 ROW

SDG: Eddy Co, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-15961-2	BH-1 (2')	89	97
880-15961-3	BH-1 (3')	89	97
880-15961-4	BH-1 (4')	96	105
880-15961-5	BH-1 (5')	98	110
880-15961-6	BH-1 (6')	94	100
880-15961-7	BH-1 (7')	104	116
880-15961-8	BH-1 (8')	87	98
880-15961-9	BH-1 (9')	101	111
880-15961-10	BH-1 (10')	99	110
880-15961-11	BH-1 (11')	101	111
880-15961-11 MS	BH-1 (11')	85	82
880-15961-11 MSD	BH-1 (11')	85	81
880-15961-12	BH-1 (12')	101	111
880-15961-13	BH-1 (13')	85	91
880-15961-14	BH-1 (14')	79	87
880-15961-15	BH-1 (15')	100	109
880-15961-16	BH-1 (16')	94	103
880-15961-17	BH-1 (17')	99	108
880-15961-18	BH-1 (18')	84	90
880-15961-19	BH-1 (19')	134 S1+	149 S1+
880-15961-20	BH-1 (20')	117	126
880-15961-21	BG-1 (0-1')	111	117
880-15961-21 MS	BG-1 (0-1')	91	92
880-15961-21 MSD	BG-1 (0-1')	105	104
880-15961-22	BG-1 (5')	96	101
880-15961-23	BG-1 (10')	119	129
880-15961-24	BG-1 (15')	106	110
880-15961-25	BG-1 (20')	96	105
LCS 880-27674/2-A	Lab Control Sample	96	98
LCS 880-27720/2-A	Lab Control Sample	99	109
LCS 880-27921/2-A	Lab Control Sample	85	87
LCSD 880-27674/3-A	Lab Control Sample Dup	97	98
LCSD 880-27720/3-A	Lab Control Sample Dup	107	117
LCSD 880-27921/3-A	Lab Control Sample Dup	86	87
MB 880-27674/1-A	Method Blank	112	124
MB 880-27720/1-A	Method Blank	97	109
MB 880-27921/1-A	Method Blank	86	97

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-27842/5-A

Matrix: Solid

Analysis Batch: 27879

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27842

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/17/22 16:37	06/21/22 00:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/17/22 16:37	06/21/22 00:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/17/22 16:37	06/21/22 00:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/17/22 16:37	06/21/22 00:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/17/22 16:37	06/21/22 00:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/17/22 16:37	06/21/22 00:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	06/17/22 16:37	06/21/22 00:25	1
1,4-Difluorobenzene (Surr)	91		70 - 130	06/17/22 16:37	06/21/22 00:25	1

Lab Sample ID: LCS 880-27842/1-A

Matrix: Solid

Analysis Batch: 27879

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27842

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09331		mg/Kg		93	70 - 130
Toluene	0.100	0.09111		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.09733		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.1971		mg/Kg		99	70 - 130
o-Xylene	0.100	0.1008		mg/Kg		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-27842/2-A

Matrix: Solid

Analysis Batch: 27879

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27842

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1002		mg/Kg		100	70 - 130	7	35
Toluene	0.100	0.09769		mg/Kg		98	70 - 130	7	35
Ethylbenzene	0.100	0.1022		mg/Kg		102	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2076		mg/Kg		104	70 - 130	5	35
o-Xylene	0.100	0.1056		mg/Kg		106	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-2415-A-35-C MS

Matrix: Solid

Analysis Batch: 27879

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 27842

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.09519		mg/Kg		95	70 - 130
Toluene	<0.00200	U	0.0998	0.09071		mg/Kg		91	70 - 130

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QC Sample Results

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

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

Lab Sample ID: 890-2415-A-35-C MS

Matrix: Solid

Analysis Batch: 27879

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 27842

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.0998	0.09294		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1877		mg/Kg		94	70 - 130
o-Xylene	<0.00200	U	0.0998	0.09354		mg/Kg		94	70 - 130
Surrogate	MS %Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	112		70 - 130						
1,4-Difluorobenzene (Surr)	100		70 - 130						

Lab Sample ID: 890-2415-A-35-D MSD

Matrix: Solid

Analysis Batch: 27879

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 27842

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0994	0.1043		mg/Kg		105	70 - 130	9	35
Toluene	<0.00200	U	0.0994	0.1002		mg/Kg		101	70 - 130	10	35
Ethylbenzene	<0.00200	U	0.0994	0.1038		mg/Kg		104	70 - 130	11	35
m-Xylene & p-Xylene	<0.00401	U	0.199	0.2111		mg/Kg		106	70 - 130	12	35
o-Xylene	<0.00200	U	0.0994	0.1046		mg/Kg		105	70 - 130	11	35
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	112		70 - 130								
1,4-Difluorobenzene (Surr)	96		70 - 130								

Lab Sample ID: MB 880-27878/5-A

Matrix: Solid

Analysis Batch: 27879

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27878

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/20/22 08:23	06/20/22 11:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/20/22 08:23	06/20/22 11:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/20/22 08:23	06/20/22 11:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/20/22 08:23	06/20/22 11:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/20/22 08:23	06/20/22 11:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/20/22 08:23	06/20/22 11:50	1
Surrogate	MB %Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				06/20/22 08:23	06/20/22 11:50	1
1,4-Difluorobenzene (Surr)	91		70 - 130				06/20/22 08:23	06/20/22 11:50	1

Lab Sample ID: MB 880-27967/5-A

Matrix: Solid

Analysis Batch: 28005

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27967

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/20/22 15:20	06/21/22 12:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/20/22 15:20	06/21/22 12:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/20/22 15:20	06/21/22 12:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/20/22 15:20	06/21/22 12:25	1

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QC Sample Results

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-27967/5-A

Matrix: Solid

Analysis Batch: 28005

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27967

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/20/22 15:20	06/21/22 12:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/20/22 15:20	06/21/22 12:25	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				06/20/22 15:20	06/21/22 12:25	1
1,4-Difluorobenzene (Surr)	110		70 - 130				06/20/22 15:20	06/21/22 12:25	1

Lab Sample ID: LCS 880-27967/1-A

Matrix: Solid

Analysis Batch: 28005

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27967

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1068		mg/Kg		107	70 - 130
Toluene	0.100	0.09772		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.08256		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	0.200	0.1592		mg/Kg		80	70 - 130
o-Xylene	0.100	0.08901		mg/Kg		89	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	89		70 - 130				
1,4-Difluorobenzene (Surr)	108		70 - 130				

Lab Sample ID: LCSD 880-27967/2-A

Matrix: Solid

Analysis Batch: 28005

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27967

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1017		mg/Kg		102	70 - 130	5	35
Toluene	0.100	0.09832		mg/Kg		98	70 - 130	1	35
Ethylbenzene	0.100	0.08466		mg/Kg		85	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1650		mg/Kg		83	70 - 130	4	35
o-Xylene	0.100	0.09204		mg/Kg		92	70 - 130	3	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	92		70 - 130						
1,4-Difluorobenzene (Surr)	107		70 - 130						

Lab Sample ID: 880-15997-A-1-E MS

Matrix: Solid

Analysis Batch: 28005

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 27967

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.09076		mg/Kg		90	70 - 130
Toluene	<0.00201	U	0.100	0.08917		mg/Kg		89	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.08193		mg/Kg		82	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1611		mg/Kg		80	70 - 130
o-Xylene	<0.00201	U	0.100	0.09354		mg/Kg		93	70 - 130

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QC Sample Results

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-15997-A-1-E MS

Matrix: Solid

Analysis Batch: 28005

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 27967

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

Lab Sample ID: 880-15997-A-1-F MSD

Matrix: Solid

Analysis Batch: 28005

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 27967

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0994	0.09070		mg/Kg		91	70 - 130	0	35
Toluene	<0.00201	U	0.0994	0.09076		mg/Kg		91	70 - 130	2	35
Ethylbenzene	<0.00201	U	0.0994	0.08474		mg/Kg		85	70 - 130	3	35
m-Xylene & p-Xylene	<0.00402	U	0.199	0.1667		mg/Kg		84	70 - 130	3	35
o-Xylene	<0.00201	U	0.0994	0.09557		mg/Kg		96	70 - 130	2	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

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

Lab Sample ID: MB 880-27674/1-A

Matrix: Solid

Analysis Batch: 27737

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27674

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/16/22 09:52	06/17/22 23:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/22 09:52	06/17/22 23:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/22 09:52	06/17/22 23:09	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	112		70 - 130	06/16/22 09:52	06/17/22 23:09	1			
o-Terphenyl	124		70 - 130	06/16/22 09:52	06/17/22 23:09	1			

Lab Sample ID: LCS 880-27674/2-A

Matrix: Solid

Analysis Batch: 27737

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27674

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1102		mg/Kg		110	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1051		mg/Kg		105	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	98		70 - 130

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QC Sample Results

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-27674/3-A

Matrix: Solid

Analysis Batch: 27737

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27674

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	962.9		mg/Kg		96	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	1000	963.4		mg/Kg		96	70 - 130	9	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	97		70 - 130						
o-Terphenyl	98		70 - 130						

Lab Sample ID: 880-15961-1 MS

Matrix: Solid

Analysis Batch: 27737

Client Sample ID: BH-1 (0-1')

Prep Type: Total/NA

Prep Batch: 27674

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	998	1060		mg/Kg		104	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	998	883.2		mg/Kg		89	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	101		70 - 130								
o-Terphenyl	99		70 - 130								

Lab Sample ID: 880-15961-1 MSD

Matrix: Solid

Analysis Batch: 27737

Client Sample ID: BH-1 (0-1')

Prep Type: Total/NA

Prep Batch: 27674

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	1040		mg/Kg		102	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	882.3		mg/Kg		88	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	100		70 - 130								
o-Terphenyl	98		70 - 130								

Lab Sample ID: MB 880-27720/1-A

Matrix: Solid

Analysis Batch: 27643

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27720

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/16/22 15:34	06/16/22 21:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/16/22 15:34	06/16/22 21:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/16/22 15:34	06/16/22 21:26	1

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QC Sample Results

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-27720/1-A
Matrix: Solid
Analysis Batch: 27643

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 27720

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	06/16/22 15:34	06/16/22 21:26	1
o-Terphenyl	109		70 - 130	06/16/22 15:34	06/16/22 21:26	1

Lab Sample ID: LCS 880-27720/2-A
Matrix: Solid
Analysis Batch: 27643

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 27720

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	871.6		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1033		mg/Kg		103	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	109		70 - 130

Lab Sample ID: LCSD 880-27720/3-A
Matrix: Solid
Analysis Batch: 27643

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 27720

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1162	*1	mg/Kg		116	70 - 130	29	20
Diesel Range Organics (Over C10-C28)	1000	1129		mg/Kg		113	70 - 130	9	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	117		70 - 130

Lab Sample ID: 880-15961-21 MS
Matrix: Solid
Analysis Batch: 27643

Client Sample ID: BG-1 (0-1')
Prep Type: Total/NA
Prep Batch: 27720

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	998	935.7		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	942.1		mg/Kg		94	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	92		70 - 130

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QC Sample Results

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-15961-21 MSD

Matrix: Solid

Analysis Batch: 27643

Client Sample ID: BG-1 (0-1')

Prep Type: Total/NA

Prep Batch: 27720

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	999	1095		mg/Kg		107	70 - 130	16	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1087		mg/Kg		109	70 - 130	14	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	105		70 - 130								
o-Terphenyl	104		70 - 130								

Lab Sample ID: MB 880-27921/1-A

Matrix: Solid

Analysis Batch: 27893

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27921

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/20/22 13:49	06/21/22 00:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/20/22 13:49	06/21/22 00:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/20/22 13:49	06/21/22 00:41	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				06/20/22 13:49	06/21/22 00:41	1
o-Terphenyl	97		70 - 130				06/20/22 13:49	06/21/22 00:41	1

Lab Sample ID: LCS 880-27921/2-A

Matrix: Solid

Analysis Batch: 27893

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27921

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	981.1		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	914.3		mg/Kg		91	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	85		70 - 130						
o-Terphenyl	87		70 - 130						

Lab Sample ID: LCSD 880-27921/3-A

Matrix: Solid

Analysis Batch: 27893

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27921

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1010		mg/Kg		101	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	918.0		mg/Kg		92	70 - 130	0	20

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QC Sample Results

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-27921/3-A
Matrix: Solid
Analysis Batch: 27893

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 27921

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	87		70 - 130

Lab Sample ID: 880-15961-11 MS
Matrix: Solid
Analysis Batch: 27893

Client Sample ID: BH-1 (11')
Prep Type: Total/NA
Prep Batch: 27921

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	87.4		998	965.1		mg/Kg		88	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	998	741.0		mg/Kg		74	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	85		70 - 130							
o-Terphenyl	82		70 - 130							

Lab Sample ID: 880-15961-11 MSD
Matrix: Solid
Analysis Batch: 27893

Client Sample ID: BH-1 (11')
Prep Type: Total/NA
Prep Batch: 27921

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	87.4		999	973.1		mg/Kg		89	70 - 130	1	20	
Diesel Range Organics (Over C10-C28)	<49.9	U	999	714.3		mg/Kg		72	70 - 130	4	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	85		70 - 130									
o-Terphenyl	81		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-27812/1-A
Matrix: Solid
Analysis Batch: 28044

Client Sample ID: Method Blank
Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<5.00	U	5.00		mg/Kg			06/22/22 02:11	1	

Lab Sample ID: LCS 880-27812/2-A
Matrix: Solid
Analysis Batch: 28044

Client Sample ID: Lab Control Sample
Prep Type: Soluble

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	250	263.9		mg/Kg		106	90 - 110		

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QC Sample Results

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-27812/3-A

Matrix: Solid

Analysis Batch: 28044

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	265.9		mg/Kg		106	90 - 110	1	20

Lab Sample ID: 880-15904-A-6-C MS

Matrix: Solid

Analysis Batch: 28044

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	5.74		248	250.0		mg/Kg		98	90 - 110		

Lab Sample ID: 880-15904-A-6-D MSD

Matrix: Solid

Analysis Batch: 28044

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	5.74		248	251.7		mg/Kg		99	90 - 110	1	20

Lab Sample ID: 890-2416-A-1-D MS

Matrix: Solid

Analysis Batch: 28044

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	400		1250	1644		mg/Kg		99	90 - 110		

Lab Sample ID: 890-2416-A-1-E MSD

Matrix: Solid

Analysis Batch: 28044

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	400		1250	1638		mg/Kg		99	90 - 110	0	20

Lab Sample ID: MB 880-27814/1-A

Matrix: Solid

Analysis Batch: 28073

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			06/21/22 22:01	1

Lab Sample ID: LCS 880-27814/2-A

Matrix: Solid

Analysis Batch: 28073

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	230.1		mg/Kg		92	90 - 110		

Lab Sample ID: LCSD 880-27814/3-A

Matrix: Solid

Analysis Batch: 28073

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	251.9		mg/Kg		101	90 - 110	9	20

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QC Sample Results

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-15961-8 MS

Matrix: Solid

Analysis Batch: 28073

Client Sample ID: BH-1 (8')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	5510	F1	2530	7356	F1	mg/Kg		73	90 - 110		

Lab Sample ID: 880-15961-8 MSD

Matrix: Solid

Analysis Batch: 28073

Client Sample ID: BH-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	5510	F1	2530	6641	F1	mg/Kg		45	90 - 110	10	20

Lab Sample ID: 880-15961-18 MS

Matrix: Solid

Analysis Batch: 28073

Client Sample ID: BH-1 (18')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	5040	F1	2520	7961	F1	mg/Kg		116	90 - 110		

Lab Sample ID: 880-15961-18 MSD

Matrix: Solid

Analysis Batch: 28073

Client Sample ID: BH-1 (18')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	5040	F1	2520	7451		mg/Kg		96	90 - 110	7	20

QC Association Summary

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 27842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15961-1	BH-1 (0-1')	Total/NA	Solid	5035	
880-15961-2	BH-1 (2')	Total/NA	Solid	5035	
880-15961-3	BH-1 (3')	Total/NA	Solid	5035	
880-15961-4	BH-1 (4')	Total/NA	Solid	5035	
880-15961-5	BH-1 (5')	Total/NA	Solid	5035	
880-15961-6	BH-1 (6')	Total/NA	Solid	5035	
880-15961-7	BH-1 (7')	Total/NA	Solid	5035	
880-15961-8	BH-1 (8')	Total/NA	Solid	5035	
880-15961-9	BH-1 (9')	Total/NA	Solid	5035	
880-15961-10	BH-1 (10')	Total/NA	Solid	5035	
MB 880-27842/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-27842/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-27842/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2415-A-35-C MS	Matrix Spike	Total/NA	Solid	5035	
890-2415-A-35-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 27878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-27878/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 27879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15961-1	BH-1 (0-1')	Total/NA	Solid	8021B	27842
880-15961-2	BH-1 (2')	Total/NA	Solid	8021B	27842
880-15961-3	BH-1 (3')	Total/NA	Solid	8021B	27842
880-15961-4	BH-1 (4')	Total/NA	Solid	8021B	27842
880-15961-5	BH-1 (5')	Total/NA	Solid	8021B	27842
880-15961-6	BH-1 (6')	Total/NA	Solid	8021B	27842
880-15961-7	BH-1 (7')	Total/NA	Solid	8021B	27842
880-15961-8	BH-1 (8')	Total/NA	Solid	8021B	27842
880-15961-9	BH-1 (9')	Total/NA	Solid	8021B	27842
880-15961-10	BH-1 (10')	Total/NA	Solid	8021B	27842
MB 880-27842/5-A	Method Blank	Total/NA	Solid	8021B	27842
MB 880-27878/5-A	Method Blank	Total/NA	Solid	8021B	27878
LCS 880-27842/1-A	Lab Control Sample	Total/NA	Solid	8021B	27842
LCSD 880-27842/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	27842
890-2415-A-35-C MS	Matrix Spike	Total/NA	Solid	8021B	27842
890-2415-A-35-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	27842

Prep Batch: 27967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15961-11	BH-1 (11')	Total/NA	Solid	5035	
880-15961-12	BH-1 (12')	Total/NA	Solid	5035	
880-15961-13	BH-1 (13')	Total/NA	Solid	5035	
880-15961-14	BH-1 (14')	Total/NA	Solid	5035	
880-15961-15	BH-1 (15')	Total/NA	Solid	5035	
880-15961-16	BH-1 (16')	Total/NA	Solid	5035	
880-15961-17	BH-1 (17')	Total/NA	Solid	5035	
880-15961-18	BH-1 (18')	Total/NA	Solid	5035	
880-15961-19	BH-1 (19')	Total/NA	Solid	5035	
880-15961-20	BH-1 (20')	Total/NA	Solid	5035	

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QC Association Summary

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

GC VOA (Continued)

Prep Batch: 27967 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15961-21	BG-1 (0-1')	Total/NA	Solid	5035	
880-15961-22	BG-1 (5')	Total/NA	Solid	5035	
880-15961-23	BG-1 (10')	Total/NA	Solid	5035	
880-15961-24	BG-1 (15')	Total/NA	Solid	5035	
880-15961-25	BG-1 (20')	Total/NA	Solid	5035	
MB 880-27967/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-27967/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-27967/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-15997-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-15997-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 28005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15961-11	BH-1 (11')	Total/NA	Solid	8021B	27967
880-15961-12	BH-1 (12')	Total/NA	Solid	8021B	27967
880-15961-13	BH-1 (13')	Total/NA	Solid	8021B	27967
880-15961-14	BH-1 (14')	Total/NA	Solid	8021B	27967
880-15961-15	BH-1 (15')	Total/NA	Solid	8021B	27967
880-15961-16	BH-1 (16')	Total/NA	Solid	8021B	27967
880-15961-17	BH-1 (17')	Total/NA	Solid	8021B	27967
880-15961-18	BH-1 (18')	Total/NA	Solid	8021B	27967
880-15961-19	BH-1 (19')	Total/NA	Solid	8021B	27967
880-15961-20	BH-1 (20')	Total/NA	Solid	8021B	27967
880-15961-21	BG-1 (0-1')	Total/NA	Solid	8021B	27967
880-15961-22	BG-1 (5')	Total/NA	Solid	8021B	27967
880-15961-23	BG-1 (10')	Total/NA	Solid	8021B	27967
880-15961-24	BG-1 (15')	Total/NA	Solid	8021B	27967
880-15961-25	BG-1 (20')	Total/NA	Solid	8021B	27967
MB 880-27967/5-A	Method Blank	Total/NA	Solid	8021B	27967
LCS 880-27967/1-A	Lab Control Sample	Total/NA	Solid	8021B	27967
LCSD 880-27967/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	27967
880-15997-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	27967
880-15997-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	27967

Analysis Batch: 28039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15961-1	BH-1 (0-1')	Total/NA	Solid	Total BTEX	
880-15961-2	BH-1 (2')	Total/NA	Solid	Total BTEX	
880-15961-3	BH-1 (3')	Total/NA	Solid	Total BTEX	
880-15961-4	BH-1 (4')	Total/NA	Solid	Total BTEX	
880-15961-5	BH-1 (5')	Total/NA	Solid	Total BTEX	
880-15961-6	BH-1 (6')	Total/NA	Solid	Total BTEX	
880-15961-7	BH-1 (7')	Total/NA	Solid	Total BTEX	
880-15961-8	BH-1 (8')	Total/NA	Solid	Total BTEX	
880-15961-9	BH-1 (9')	Total/NA	Solid	Total BTEX	
880-15961-10	BH-1 (10')	Total/NA	Solid	Total BTEX	
880-15961-11	BH-1 (11')	Total/NA	Solid	Total BTEX	
880-15961-12	BH-1 (12')	Total/NA	Solid	Total BTEX	
880-15961-13	BH-1 (13')	Total/NA	Solid	Total BTEX	
880-15961-14	BH-1 (14')	Total/NA	Solid	Total BTEX	
880-15961-15	BH-1 (15')	Total/NA	Solid	Total BTEX	

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QC Association Summary

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

GC VOA (Continued)

Analysis Batch: 28039 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15961-16	BH-1 (16')	Total/NA	Solid	Total BTEX	
880-15961-17	BH-1 (17')	Total/NA	Solid	Total BTEX	
880-15961-18	BH-1 (18')	Total/NA	Solid	Total BTEX	
880-15961-19	BH-1 (19')	Total/NA	Solid	Total BTEX	
880-15961-20	BH-1 (20')	Total/NA	Solid	Total BTEX	
880-15961-21	BG-1 (0-1')	Total/NA	Solid	Total BTEX	
880-15961-22	BG-1 (5')	Total/NA	Solid	Total BTEX	
880-15961-23	BG-1 (10')	Total/NA	Solid	Total BTEX	
880-15961-24	BG-1 (15')	Total/NA	Solid	Total BTEX	
880-15961-25	BG-1 (20')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 27643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15961-21	BG-1 (0-1')	Total/NA	Solid	8015B NM	27720
880-15961-22	BG-1 (5')	Total/NA	Solid	8015B NM	27720
880-15961-23	BG-1 (10')	Total/NA	Solid	8015B NM	27720
880-15961-24	BG-1 (15')	Total/NA	Solid	8015B NM	27720
880-15961-25	BG-1 (20')	Total/NA	Solid	8015B NM	27720
MB 880-27720/1-A	Method Blank	Total/NA	Solid	8015B NM	27720
LCS 880-27720/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	27720
LCSD 880-27720/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	27720
880-15961-21 MS	BG-1 (0-1')	Total/NA	Solid	8015B NM	27720
880-15961-21 MSD	BG-1 (0-1')	Total/NA	Solid	8015B NM	27720

Prep Batch: 27674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15961-1	BH-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-15961-2	BH-1 (2')	Total/NA	Solid	8015NM Prep	
880-15961-3	BH-1 (3')	Total/NA	Solid	8015NM Prep	
880-15961-4	BH-1 (4')	Total/NA	Solid	8015NM Prep	
880-15961-5	BH-1 (5')	Total/NA	Solid	8015NM Prep	
880-15961-6	BH-1 (6')	Total/NA	Solid	8015NM Prep	
880-15961-7	BH-1 (7')	Total/NA	Solid	8015NM Prep	
880-15961-8	BH-1 (8')	Total/NA	Solid	8015NM Prep	
880-15961-9	BH-1 (9')	Total/NA	Solid	8015NM Prep	
880-15961-10	BH-1 (10')	Total/NA	Solid	8015NM Prep	
MB 880-27674/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-27674/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-27674/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-15961-1 MS	BH-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-15961-1 MSD	BH-1 (0-1')	Total/NA	Solid	8015NM Prep	

Prep Batch: 27720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15961-21	BG-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-15961-22	BG-1 (5')	Total/NA	Solid	8015NM Prep	
880-15961-23	BG-1 (10')	Total/NA	Solid	8015NM Prep	
880-15961-24	BG-1 (15')	Total/NA	Solid	8015NM Prep	
880-15961-25	BG-1 (20')	Total/NA	Solid	8015NM Prep	

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QC Association Summary

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Prep Batch: 27720 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-27720/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-27720/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-27720/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-15961-21 MS	BG-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-15961-21 MSD	BG-1 (0-1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 27737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15961-1	BH-1 (0-1')	Total/NA	Solid	8015B NM	27674
880-15961-2	BH-1 (2')	Total/NA	Solid	8015B NM	27674
880-15961-3	BH-1 (3')	Total/NA	Solid	8015B NM	27674
880-15961-4	BH-1 (4')	Total/NA	Solid	8015B NM	27674
880-15961-5	BH-1 (5')	Total/NA	Solid	8015B NM	27674
880-15961-6	BH-1 (6')	Total/NA	Solid	8015B NM	27674
880-15961-7	BH-1 (7')	Total/NA	Solid	8015B NM	27674
880-15961-8	BH-1 (8')	Total/NA	Solid	8015B NM	27674
880-15961-9	BH-1 (9')	Total/NA	Solid	8015B NM	27674
880-15961-10	BH-1 (10')	Total/NA	Solid	8015B NM	27674
MB 880-27674/1-A	Method Blank	Total/NA	Solid	8015B NM	27674
LCS 880-27674/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	27674
LCSD 880-27674/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	27674
880-15961-1 MS	BH-1 (0-1')	Total/NA	Solid	8015B NM	27674
880-15961-1 MSD	BH-1 (0-1')	Total/NA	Solid	8015B NM	27674

Analysis Batch: 27753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15961-1	BH-1 (0-1')	Total/NA	Solid	8015 NM	
880-15961-2	BH-1 (2')	Total/NA	Solid	8015 NM	
880-15961-3	BH-1 (3')	Total/NA	Solid	8015 NM	
880-15961-4	BH-1 (4')	Total/NA	Solid	8015 NM	
880-15961-5	BH-1 (5')	Total/NA	Solid	8015 NM	
880-15961-6	BH-1 (6')	Total/NA	Solid	8015 NM	
880-15961-7	BH-1 (7')	Total/NA	Solid	8015 NM	
880-15961-8	BH-1 (8')	Total/NA	Solid	8015 NM	
880-15961-9	BH-1 (9')	Total/NA	Solid	8015 NM	
880-15961-10	BH-1 (10')	Total/NA	Solid	8015 NM	
880-15961-11	BH-1 (11')	Total/NA	Solid	8015 NM	
880-15961-12	BH-1 (12')	Total/NA	Solid	8015 NM	
880-15961-13	BH-1 (13')	Total/NA	Solid	8015 NM	
880-15961-14	BH-1 (14')	Total/NA	Solid	8015 NM	
880-15961-15	BH-1 (15')	Total/NA	Solid	8015 NM	
880-15961-16	BH-1 (16')	Total/NA	Solid	8015 NM	
880-15961-17	BH-1 (17')	Total/NA	Solid	8015 NM	
880-15961-18	BH-1 (18')	Total/NA	Solid	8015 NM	
880-15961-19	BH-1 (19')	Total/NA	Solid	8015 NM	
880-15961-20	BH-1 (20')	Total/NA	Solid	8015 NM	
880-15961-21	BG-1 (0-1')	Total/NA	Solid	8015 NM	
880-15961-22	BG-1 (5')	Total/NA	Solid	8015 NM	
880-15961-23	BG-1 (10')	Total/NA	Solid	8015 NM	
880-15961-24	BG-1 (15')	Total/NA	Solid	8015 NM	
880-15961-25	BG-1 (20')	Total/NA	Solid	8015 NM	

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QC Association Summary

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

GC Semi VOA

Analysis Batch: 27893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15961-11	BH-1 (11')	Total/NA	Solid	8015B NM	27921
880-15961-12	BH-1 (12')	Total/NA	Solid	8015B NM	27921
880-15961-13	BH-1 (13')	Total/NA	Solid	8015B NM	27921
880-15961-14	BH-1 (14')	Total/NA	Solid	8015B NM	27921
880-15961-15	BH-1 (15')	Total/NA	Solid	8015B NM	27921
880-15961-16	BH-1 (16')	Total/NA	Solid	8015B NM	27921
880-15961-17	BH-1 (17')	Total/NA	Solid	8015B NM	27921
880-15961-18	BH-1 (18')	Total/NA	Solid	8015B NM	27921
MB 880-27921/1-A	Method Blank	Total/NA	Solid	8015B NM	27921
LCS 880-27921/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	27921
LCSD 880-27921/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	27921
880-15961-11 MS	BH-1 (11')	Total/NA	Solid	8015B NM	27921
880-15961-11 MSD	BH-1 (11')	Total/NA	Solid	8015B NM	27921

Analysis Batch: 27904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15961-19	BH-1 (19')	Total/NA	Solid	8015B NM	27921
880-15961-20	BH-1 (20')	Total/NA	Solid	8015B NM	27921

Prep Batch: 27921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15961-11	BH-1 (11')	Total/NA	Solid	8015NM Prep	
880-15961-12	BH-1 (12')	Total/NA	Solid	8015NM Prep	
880-15961-13	BH-1 (13')	Total/NA	Solid	8015NM Prep	
880-15961-14	BH-1 (14')	Total/NA	Solid	8015NM Prep	
880-15961-15	BH-1 (15')	Total/NA	Solid	8015NM Prep	
880-15961-16	BH-1 (16')	Total/NA	Solid	8015NM Prep	
880-15961-17	BH-1 (17')	Total/NA	Solid	8015NM Prep	
880-15961-18	BH-1 (18')	Total/NA	Solid	8015NM Prep	
880-15961-19	BH-1 (19')	Total/NA	Solid	8015NM Prep	
880-15961-20	BH-1 (20')	Total/NA	Solid	8015NM Prep	
MB 880-27921/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-27921/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-27921/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-15961-11 MS	BH-1 (11')	Total/NA	Solid	8015NM Prep	
880-15961-11 MSD	BH-1 (11')	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 27812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15961-1	BH-1 (0-1')	Soluble	Solid	DI Leach	
880-15961-2	BH-1 (2')	Soluble	Solid	DI Leach	
880-15961-3	BH-1 (3')	Soluble	Solid	DI Leach	
880-15961-4	BH-1 (4')	Soluble	Solid	DI Leach	
880-15961-5	BH-1 (5')	Soluble	Solid	DI Leach	
880-15961-6	BH-1 (6')	Soluble	Solid	DI Leach	
880-15961-7	BH-1 (7')	Soluble	Solid	DI Leach	
MB 880-27812/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-27812/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-27812/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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QC Association Summary

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Leach Batch: 27812 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15904-A-6-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-15904-A-6-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
890-2416-A-1-D MS	Matrix Spike	Soluble	Solid	DI Leach	
890-2416-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 27814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15961-8	BH-1 (8')	Soluble	Solid	DI Leach	
880-15961-9	BH-1 (9')	Soluble	Solid	DI Leach	
880-15961-10	BH-1 (10')	Soluble	Solid	DI Leach	
880-15961-11	BH-1 (11')	Soluble	Solid	DI Leach	
880-15961-12	BH-1 (12')	Soluble	Solid	DI Leach	
880-15961-13	BH-1 (13')	Soluble	Solid	DI Leach	
880-15961-14	BH-1 (14')	Soluble	Solid	DI Leach	
880-15961-15	BH-1 (15')	Soluble	Solid	DI Leach	
880-15961-16	BH-1 (16')	Soluble	Solid	DI Leach	
880-15961-17	BH-1 (17')	Soluble	Solid	DI Leach	
880-15961-18	BH-1 (18')	Soluble	Solid	DI Leach	
880-15961-19	BH-1 (19')	Soluble	Solid	DI Leach	
880-15961-20	BH-1 (20')	Soluble	Solid	DI Leach	
880-15961-21	BG-1 (0-1')	Soluble	Solid	DI Leach	
880-15961-22	BG-1 (5')	Soluble	Solid	DI Leach	
880-15961-23	BG-1 (10')	Soluble	Solid	DI Leach	
880-15961-24	BG-1 (15')	Soluble	Solid	DI Leach	
880-15961-25	BG-1 (20')	Soluble	Solid	DI Leach	
MB 880-27814/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-27814/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-27814/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-15961-8 MS	BH-1 (8')	Soluble	Solid	DI Leach	
880-15961-8 MSD	BH-1 (8')	Soluble	Solid	DI Leach	
880-15961-18 MS	BH-1 (18')	Soluble	Solid	DI Leach	
880-15961-18 MSD	BH-1 (18')	Soluble	Solid	DI Leach	

Analysis Batch: 28044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15961-1	BH-1 (0-1')	Soluble	Solid	300.0	27812
880-15961-2	BH-1 (2')	Soluble	Solid	300.0	27812
880-15961-3	BH-1 (3')	Soluble	Solid	300.0	27812
880-15961-4	BH-1 (4')	Soluble	Solid	300.0	27812
880-15961-5	BH-1 (5')	Soluble	Solid	300.0	27812
880-15961-6	BH-1 (6')	Soluble	Solid	300.0	27812
880-15961-7	BH-1 (7')	Soluble	Solid	300.0	27812
MB 880-27812/1-A	Method Blank	Soluble	Solid	300.0	27812
LCS 880-27812/2-A	Lab Control Sample	Soluble	Solid	300.0	27812
LCSD 880-27812/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	27812
880-15904-A-6-C MS	Matrix Spike	Soluble	Solid	300.0	27812
880-15904-A-6-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	27812
890-2416-A-1-D MS	Matrix Spike	Soluble	Solid	300.0	27812
890-2416-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	27812

Eurofins Midland

QC Association Summary

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

HPLC/IC

Analysis Batch: 28073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15961-8	BH-1 (8')	Soluble	Solid	300.0	27814
880-15961-9	BH-1 (9')	Soluble	Solid	300.0	27814
880-15961-10	BH-1 (10')	Soluble	Solid	300.0	27814
880-15961-11	BH-1 (11')	Soluble	Solid	300.0	27814
880-15961-12	BH-1 (12')	Soluble	Solid	300.0	27814
880-15961-13	BH-1 (13')	Soluble	Solid	300.0	27814
880-15961-14	BH-1 (14')	Soluble	Solid	300.0	27814
880-15961-15	BH-1 (15')	Soluble	Solid	300.0	27814
880-15961-16	BH-1 (16')	Soluble	Solid	300.0	27814
880-15961-17	BH-1 (17')	Soluble	Solid	300.0	27814
880-15961-18	BH-1 (18')	Soluble	Solid	300.0	27814
880-15961-19	BH-1 (19')	Soluble	Solid	300.0	27814
880-15961-20	BH-1 (20')	Soluble	Solid	300.0	27814
880-15961-21	BG-1 (0-1')	Soluble	Solid	300.0	27814
880-15961-22	BG-1 (5')	Soluble	Solid	300.0	27814
880-15961-23	BG-1 (10')	Soluble	Solid	300.0	27814
880-15961-24	BG-1 (15')	Soluble	Solid	300.0	27814
880-15961-25	BG-1 (20')	Soluble	Solid	300.0	27814
MB 880-27814/1-A	Method Blank	Soluble	Solid	300.0	27814
LCS 880-27814/2-A	Lab Control Sample	Soluble	Solid	300.0	27814
LCSD 880-27814/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	27814
880-15961-8 MS	BH-1 (8')	Soluble	Solid	300.0	27814
880-15961-8 MSD	BH-1 (8')	Soluble	Solid	300.0	27814
880-15961-18 MS	BH-1 (18')	Soluble	Solid	300.0	27814
880-15961-18 MSD	BH-1 (18')	Soluble	Solid	300.0	27814

Lab Chronicle

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

Client Sample ID: BH-1 (0-1')

Lab Sample ID: 880-15961-1

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	27842	06/17/22 16:37	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27879	06/21/22 05:12	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28039	06/21/22 11:02	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27753	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27674	06/16/22 09:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27737	06/18/22 00:12	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	27812	06/17/22 11:57	SC	XEN MID
Soluble	Analysis	300.0		10			28044	06/22/22 03:34	CH	XEN MID

Client Sample ID: BH-1 (2')

Lab Sample ID: 880-15961-2

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	27842	06/17/22 16:37	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27879	06/21/22 05:32	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28039	06/21/22 11:02	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27753	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27674	06/16/22 09:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27737	06/18/22 01:15	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	27812	06/17/22 11:57	SC	XEN MID
Soluble	Analysis	300.0		10			28044	06/22/22 04:02	CH	XEN MID

Client Sample ID: BH-1 (3')

Lab Sample ID: 880-15961-3

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	27842	06/17/22 16:37	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27879	06/21/22 05:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28039	06/21/22 11:02	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27753	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27674	06/16/22 09:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27737	06/18/22 01:36	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	27812	06/17/22 11:57	SC	XEN MID
Soluble	Analysis	300.0		10			28044	06/22/22 04:11	CH	XEN MID

Client Sample ID: BH-1 (4')

Lab Sample ID: 880-15961-4

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	27842	06/17/22 16:37	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27879	06/21/22 06:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28039	06/21/22 11:02	SM	XEN MID

Eurofins Midland

Lab Chronicle

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

Client Sample ID: BH-1 (4')

Lab Sample ID: 880-15961-4

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			27753	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27674	06/16/22 09:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27737	06/18/22 01:57	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27812	06/17/22 11:57	SC	XEN MID
Soluble	Analysis	300.0		10			28044	06/22/22 04:20	CH	XEN MID

Client Sample ID: BH-1 (5')

Lab Sample ID: 880-15961-5

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	27842	06/17/22 16:37	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27879	06/21/22 06:34	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28039	06/21/22 11:02	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27753	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27674	06/16/22 09:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27737	06/18/22 02:18	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	27812	06/17/22 11:57	SC	XEN MID
Soluble	Analysis	300.0		10			28044	06/22/22 04:29	CH	XEN MID

Client Sample ID: BH-1 (6')

Lab Sample ID: 880-15961-6

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	27842	06/17/22 16:37	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27879	06/21/22 06:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28039	06/21/22 11:02	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27753	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27674	06/16/22 09:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27737	06/18/22 02:38	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27812	06/17/22 11:57	SC	XEN MID
Soluble	Analysis	300.0		10			28044	06/22/22 04:39	CH	XEN MID

Client Sample ID: BH-1 (7')

Lab Sample ID: 880-15961-7

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	27842	06/17/22 16:37	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27879	06/21/22 07:15	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28039	06/21/22 11:02	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27753	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	27674	06/16/22 09:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27737	06/18/22 02:59	AJ	XEN MID

Eurofins Midland

Lab Chronicle

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

Client Sample ID: BH-1 (7')

Lab Sample ID: 880-15961-7

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	27812	06/17/22 11:57	SC	XEN MID
Soluble	Analysis	300.0		10			28044	06/22/22 06:47	CH	XEN MID

Client Sample ID: BH-1 (8')

Lab Sample ID: 880-15961-8

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	27842	06/17/22 16:37	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27879	06/21/22 07:35	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28039	06/21/22 11:02	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27753	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	27674	06/16/22 09:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27737	06/18/22 03:20	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	27814	06/17/22 12:04	SC	XEN MID
Soluble	Analysis	300.0		10			28073	06/21/22 22:20	CH	XEN MID

Client Sample ID: BH-1 (9')

Lab Sample ID: 880-15961-9

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	27842	06/17/22 16:37	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27879	06/21/22 07:56	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28039	06/21/22 11:02	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27753	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27674	06/16/22 09:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27737	06/18/22 03:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	27814	06/17/22 12:04	SC	XEN MID
Soluble	Analysis	300.0		10			28073	06/21/22 22:39	CH	XEN MID

Client Sample ID: BH-1 (10')

Lab Sample ID: 880-15961-10

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	27842	06/17/22 16:37	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27879	06/21/22 08:16	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28039	06/21/22 11:02	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27753	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27674	06/16/22 09:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27737	06/18/22 04:02	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27814	06/17/22 12:04	SC	XEN MID
Soluble	Analysis	300.0		5			28073	06/21/22 22:45	CH	XEN MID

Eurofins Midland

Lab Chronicle

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

Client Sample ID: BH-1 (11')

Lab Sample ID: 880-15961-11

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	27967	06/20/22 15:20	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28005	06/21/22 13:49	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28039	06/21/22 11:02	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27753	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27921	06/20/22 13:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27893	06/21/22 01:40	SM	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	27814	06/17/22 12:04	SC	XEN MID
Soluble	Analysis	300.0		10			28073	06/21/22 22:51	CH	XEN MID

Client Sample ID: BH-1 (12')

Lab Sample ID: 880-15961-12

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	27967	06/20/22 15:20	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28005	06/21/22 14:10	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28039	06/21/22 11:02	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27753	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27921	06/20/22 13:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27893	06/21/22 02:39	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27814	06/17/22 12:04	SC	XEN MID
Soluble	Analysis	300.0		10			28073	06/21/22 22:57	CH	XEN MID

Client Sample ID: BH-1 (13')

Lab Sample ID: 880-15961-13

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	27967	06/20/22 15:20	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28005	06/21/22 14:30	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28039	06/21/22 11:02	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27753	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27921	06/20/22 13:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27893	06/21/22 02:59	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	27814	06/17/22 12:04	SC	XEN MID
Soluble	Analysis	300.0		5			28073	06/21/22 23:16	CH	XEN MID

Client Sample ID: BH-1 (14')

Lab Sample ID: 880-15961-14

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	27967	06/20/22 15:20	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28005	06/21/22 14:51	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28039	06/21/22 11:02	SM	XEN MID

Eurofins Midland

Lab Chronicle

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

Client Sample ID: BH-1 (14')

Date Collected: 06/15/22 00:00

Date Received: 06/16/22 08:31

Lab Sample ID: 880-15961-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			27753	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	27921	06/20/22 13:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27893	06/21/22 03:18	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	27814	06/17/22 12:04	SC	XEN MID
Soluble	Analysis	300.0		5			28073	06/21/22 23:23	CH	XEN MID

Client Sample ID: BH-1 (15')

Date Collected: 06/15/22 00:00

Date Received: 06/16/22 08:31

Lab Sample ID: 880-15961-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	27967	06/20/22 15:20	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28005	06/21/22 15:12	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28039	06/21/22 11:02	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27753	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27921	06/20/22 13:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27893	06/21/22 03:38	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	27814	06/17/22 12:04	SC	XEN MID
Soluble	Analysis	300.0		10			28073	06/21/22 23:29	CH	XEN MID

Client Sample ID: BH-1 (16')

Date Collected: 06/15/22 00:00

Date Received: 06/16/22 08:31

Lab Sample ID: 880-15961-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	27967	06/20/22 15:20	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28005	06/21/22 17:17	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28039	06/21/22 11:02	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27753	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27921	06/20/22 13:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27893	06/21/22 03:57	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	27814	06/17/22 12:04	SC	XEN MID
Soluble	Analysis	300.0		10			28073	06/21/22 23:35	CH	XEN MID

Client Sample ID: BH-1 (17')

Date Collected: 06/15/22 00:00

Date Received: 06/16/22 08:31

Lab Sample ID: 880-15961-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	27967	06/20/22 15:20	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28005	06/21/22 17:38	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28039	06/21/22 11:02	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27753	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27921	06/20/22 13:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27893	06/21/22 04:17	SM	XEN MID

Eurofins Midland

Lab Chronicle

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

Client Sample ID: BH-1 (17')

Date Collected: 06/15/22 00:00

Date Received: 06/16/22 08:31

Lab Sample ID: 880-15961-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	27814	06/17/22 12:04	SC	XEN MID
Soluble	Analysis	300.0		10			28073	06/21/22 23:42	CH	XEN MID

Client Sample ID: BH-1 (18')

Date Collected: 06/15/22 00:00

Date Received: 06/16/22 08:31

Lab Sample ID: 880-15961-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	27967	06/20/22 15:20	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28005	06/21/22 17:59	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28039	06/21/22 11:02	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27753	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27921	06/20/22 13:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27893	06/21/22 04:37	SM	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	27814	06/17/22 12:04	SC	XEN MID
Soluble	Analysis	300.0		10			28073	06/21/22 23:48	CH	XEN MID

Client Sample ID: BH-1 (19')

Date Collected: 06/15/22 00:00

Date Received: 06/16/22 08:31

Lab Sample ID: 880-15961-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	27967	06/20/22 15:20	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28005	06/21/22 18:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28039	06/21/22 11:02	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27753	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27921	06/20/22 13:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27904	06/21/22 00:41	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27814	06/17/22 12:04	SC	XEN MID
Soluble	Analysis	300.0		10			28073	06/22/22 00:07	CH	XEN MID

Client Sample ID: BH-1 (20')

Date Collected: 06/15/22 00:00

Date Received: 06/16/22 08:31

Lab Sample ID: 880-15961-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	27967	06/20/22 15:20	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28005	06/21/22 18:40	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28039	06/21/22 11:02	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27753	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27921	06/20/22 13:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27904	06/21/22 01:00	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	27814	06/17/22 12:04	SC	XEN MID
Soluble	Analysis	300.0		10			28073	06/22/22 00:13	CH	XEN MID

Eurofins Midland

Lab Chronicle

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

Client Sample ID: BG-1 (0-1')

Lab Sample ID: 880-15961-21

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	27967	06/20/22 15:20	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28005	06/21/22 19:01	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28039	06/21/22 11:02	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27753	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27720	06/16/22 15:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27643	06/16/22 22:31	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	27814	06/17/22 12:04	SC	XEN MID
Soluble	Analysis	300.0		1			28073	06/22/22 00:32	CH	XEN MID

Client Sample ID: BG-1 (5')

Lab Sample ID: 880-15961-22

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	27967	06/20/22 15:20	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28005	06/21/22 19:22	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28039	06/21/22 11:02	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27753	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27720	06/16/22 15:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27643	06/16/22 23:36	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	27814	06/17/22 12:04	SC	XEN MID
Soluble	Analysis	300.0		1			28073	06/22/22 00:38	CH	XEN MID

Client Sample ID: BG-1 (10')

Lab Sample ID: 880-15961-23

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	27967	06/20/22 15:20	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28005	06/21/22 19:42	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28039	06/21/22 11:02	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27753	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27720	06/16/22 15:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27643	06/16/22 23:58	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	27814	06/17/22 12:04	SC	XEN MID
Soluble	Analysis	300.0		1			28073	06/22/22 00:45	CH	XEN MID

Client Sample ID: BG-1 (15')

Lab Sample ID: 880-15961-24

Date Collected: 06/15/22 00:00

Matrix: Solid

Date Received: 06/16/22 08:31

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	27967	06/20/22 15:20	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28005	06/21/22 20:03	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28039	06/21/22 11:02	SM	XEN MID

Eurofins Midland

Lab Chronicle

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

Client Sample ID: BG-1 (15')
Date Collected: 06/15/22 00:00
Date Received: 06/16/22 08:31

Lab Sample ID: 880-15961-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			27753	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27720	06/16/22 15:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27643	06/17/22 00:19	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	27814	06/17/22 12:04	SC	XEN MID
Soluble	Analysis	300.0		1			28073	06/22/22 00:51	CH	XEN MID

Client Sample ID: BG-1 (20')
Date Collected: 06/15/22 00:00
Date Received: 06/16/22 08:31

Lab Sample ID: 880-15961-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	27967	06/20/22 15:20	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28005	06/21/22 20:24	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28039	06/21/22 11:02	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27753	06/17/22 08:55	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27720	06/16/22 15:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27643	06/17/22 00:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	27814	06/17/22 12:04	SC	XEN MID
Soluble	Analysis	300.0		1			28073	06/22/22 00:57	CH	XEN MID

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

Accreditation/Certification Summary

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

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

Protocol References:

- ASTM = ASTM International
- MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

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

Job ID: 880-15961-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-15961-1	BH-1 (0-1')	Solid	06/15/22 00:00	06/16/22 08:31
880-15961-2	BH-1 (2')	Solid	06/15/22 00:00	06/16/22 08:31
880-15961-3	BH-1 (3')	Solid	06/15/22 00:00	06/16/22 08:31
880-15961-4	BH-1 (4')	Solid	06/15/22 00:00	06/16/22 08:31
880-15961-5	BH-1 (5')	Solid	06/15/22 00:00	06/16/22 08:31
880-15961-6	BH-1 (6')	Solid	06/15/22 00:00	06/16/22 08:31
880-15961-7	BH-1 (7')	Solid	06/15/22 00:00	06/16/22 08:31
880-15961-8	BH-1 (8')	Solid	06/15/22 00:00	06/16/22 08:31
880-15961-9	BH-1 (9')	Solid	06/15/22 00:00	06/16/22 08:31
880-15961-10	BH-1 (10')	Solid	06/15/22 00:00	06/16/22 08:31
880-15961-11	BH-1 (11')	Solid	06/15/22 00:00	06/16/22 08:31
880-15961-12	BH-1 (12')	Solid	06/15/22 00:00	06/16/22 08:31
880-15961-13	BH-1 (13')	Solid	06/15/22 00:00	06/16/22 08:31
880-15961-14	BH-1 (14')	Solid	06/15/22 00:00	06/16/22 08:31
880-15961-15	BH-1 (15')	Solid	06/15/22 00:00	06/16/22 08:31
880-15961-16	BH-1 (16')	Solid	06/15/22 00:00	06/16/22 08:31
880-15961-17	BH-1 (17')	Solid	06/15/22 00:00	06/16/22 08:31
880-15961-18	BH-1 (18')	Solid	06/15/22 00:00	06/16/22 08:31
880-15961-19	BH-1 (19')	Solid	06/15/22 00:00	06/16/22 08:31
880-15961-20	BH-1 (20')	Solid	06/15/22 00:00	06/16/22 08:31
880-15961-21	BG-1 (0-1')	Solid	06/15/22 00:00	06/16/22 08:31
880-15961-22	BG-1 (5')	Solid	06/15/22 00:00	06/16/22 08:31
880-15961-23	BG-1 (10')	Solid	06/15/22 00:00	06/16/22 08:31
880-15961-24	BG-1 (15')	Solid	06/15/22 00:00	06/16/22 08:31
880-15961-25	BG-1 (20')	Solid	06/15/22 00:00	06/16/22 08:31

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Work Order No: 15961

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Project Manager	Conner Moehring	Bill to (if different)	Laci Luig
Company Name	Carmona Resources	Company Name	Cimarex Energy
Address	310 West Wall Ste 415	Address	600 N Marnefield St, Suite 600
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland TX 79701
Phone	432-813-6823	Email	laci.luig@coterra.com

Work Order Comments	
Program: UST/PST	☐ PRP ☐ Brownfields ☐ RRC ☐ upertund ☐
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. Code	ANALYSIS REQUEST										Preservative Codes	
Project Number	1029	☒ Routine	☐ Rush	Due Date	Standard	None NO		DI Water	H ₂ O										
Project Location	Eddy Co. NM					Cool Cool	MeOH	Me											
Sampler's Name	CCM					HCL HC	HNO ₃	HN											
PO #:						H ₂ SO ₄ H ₂	NaOH	Na											
SAMPLE RECEIPT		Temp Blank	Yes ☒ No ☐	Wet Ice	Yes ☒ No ☐	HOLD													
Received Intact:	Yes ☒ No ☐	Thermometer ID	108																
Cooler Custody Seals	Yes ☒ No ☐	Correction Factor	6:4																
Sample Custody Seals	Yes ☒ No ☐	Temperature Reading	1.5																
Total Containers		Corrected Temperature	1.5																
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments		
BH-1(0-1')	6/15/2022		X		G	1	X	X	X										
BH-1(2')	6/15/2022		X		G	1	X	X	X										
BH-1(3')	6/15/2022		X		G	1	X	X	X										
BH-1(4')	6/15/2022		X		G	1	X	X	X										
BH-1(5')	6/15/2022		X		G	1	X	X	X										
BH-1(6')	6/15/2022		X		G	1	X	X	X										
BH-1(7')	6/15/2022		X		G	1	X	X	X										
BH-1(8')	6/15/2022		X		G	1	X	X	X										
BH-1(9')	6/15/2022		X		G	1	X	X	X										
BH-1(10')	6/15/2022		X		G	1	X	X	X										



880-15961 Chain of Custody



Relinquished by (Signature)		Date/Time	Received by (Signature)	Date/Time
		6/16/22 8:34		

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Work Order No: 15461

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Project Manager	Conner Moehring	Bill to (if different)	Laci Luig
Company Name	Carmona Resources	Company Name	Cimarex Energy
Address	310 West Wall Ste 415	Address	600 N Warrenfield St, Suite 600
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, TX 79701
Phone	432-813-6823	Email	laci.luig@coferra.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Upertund ☐	
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	☒ Routine ☐ Rush	Pres. Code	ANALYSIS REQUEST										Preservative Codes		
Project Number	1029	Due Date	Standard													None NO	DI Water H ₂ O
Project Location	Eddy Co, NM															Cool Cool	MeOH Me
Sampler's Name	CCM															HCL HC	HNO ₃ HN
PO #:																H ₂ SO ₄ H ₂	NaOH Na
SAMPLE RECEIPT	Temp Blank	Yes ☒ No ☐	Wet Ice	Yes ☒ No ☐	Thermometer ID											H ₃ PO ₄ HP	
Received Intact	Yes ☒ No ☐	Correction Factor														NaHSO ₄ NABIS	
Cooler Custody Seals	Yes ☒ No ☐	Temperature Reading														Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals	Yes ☒ No ☐	Corrected Temperature														Zn Acetate+NaOH Zn	
Total Containers																NaOH+Ascorbic Acid SAPC	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments
BH-1(11)	6/15/2022		X		G	1	X	X	X								
BH-1(12)	6/15/2022		X		G	1	X	X	X								
BH-1(13)	6/15/2022		X		G	1	X	X	X								
BH-1(14)	6/15/2022		X		G	1	X	X	X								
BH-1(15)	6/15/2022		X		G	1	X	X	X								
BH-1(16)	6/15/2022		X		G	1	X	X	X								
BH-1(17)	6/15/2022		X		G	1	X	X	X								
BH-1(18)	6/15/2022		X		G	1	X	X	X								
BH-1(19)	6/15/2022		X		G	1	X	X	X								
BH-1(20)	6/15/2022		X		G	1	X	X	X								

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	6/16/22 831		

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Work Order No: 15941

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Project Manager	Conner Moehring	Bill to (if different)	Laci 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	432-813-6823	Email	laci.luig@coferra.com

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

Project Name	Laguna Grande Unit 7 ROW	Turn Around			Pres Code	ANALYSIS REQUEST										Preservative Codes		
Project Number	1029	☒ Routine	☐ Rush													None NO	DI Water H ₂ O	
Project Location	Eddy Co. NM	Due Date	Standard												Cool Cool	MeOH Me		
Sampler's Name	CCM														HCL HC	HNO ₃ HN		
PO #:															H ₂ SO ₄ H ₂	NaOH Na		
SAMPLE RECEIPT		Temp Blank	Yes ☒ No ☐	Wet Ice	Yes ☒ No ☐											HOLD		
Received Intact	☒ Yes ☐ No	Thermometer ID	126													H ₃ PO ₄ HP		
Cooler Custody Seals	☒ Yes ☐ No	Correction Factor	1.2													NaHSO ₄ NABIS		
Sample Custody Seals	☒ Yes ☐ No	Temperature Reading	1.5													Na ₂ S ₂ O ₃ NaSO ₃		
Total Containers		Corrected Temperature	1.5													Zn Acetate+NaOH Zn		
																NaOH+Ascorbic Acid SABC		
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont								Sample Comments			
Bg-1(0-1')		6/15/2022		X		G	1	X	X	X								
BG-1(5')		6/15/2022		X		G	1	X	X	X								
BG-1(10')		6/15/2022		X		G	1	X	X	X								
BG-1(15')		6/15/2022		X		G	1	X	X	X								
BG-1(20')		6/15/2022		X		G	1	X	X	X								

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	6/16/22 8:51		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-15961-1

SDG Number: Eddy Co, NM

Login Number: 15961

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Midland

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



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

April 10, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: LAGUNA GRANDE UNIT 7 ROW

Enclosed are the results of analyses for samples received by the laboratory on 04/06/23 15:24.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 1 (16.5') (H231630-01)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2023	ND	1.97	98.4	2.00	1.04	
Toluene*	<0.050	0.050	04/06/2023	ND	1.99	99.4	2.00	2.40	
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	1.99	99.4	2.00	1.71	
Total Xylenes*	<0.150	0.150	04/06/2023	ND	5.96	99.4	6.00	0.682	
Total BTEX	<0.300	0.300	04/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	04/10/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2023	ND	178	89.0	200	2.18	
DRO >C10-C28*	<10.0	10.0	04/08/2023	ND	175	87.6	200	0.505	
EXT DRO >C28-C36	<10.0	10.0	04/08/2023	ND					

Surrogate: 1-Chlorooctane 75.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 2 (16.5') (H231630-02)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2023	ND	1.97	98.4	2.00	1.04	
Toluene*	<0.050	0.050	04/06/2023	ND	1.99	99.4	2.00	2.40	
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	1.99	99.4	2.00	1.71	
Total Xylenes*	<0.150	0.150	04/06/2023	ND	5.96	99.4	6.00	0.682	
Total BTEX	<0.300	0.300	04/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	04/10/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2023	ND	178	89.0	200	2.18	
DRO >C10-C28*	<10.0	10.0	04/08/2023	ND	175	87.6	200	0.505	
EXT DRO >C28-C36	<10.0	10.0	04/08/2023	ND					

Surrogate: 1-Chlorooctane 75.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 3 (16.5') (H231630-03)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/06/2023	ND	1.97	98.4	2.00	1.04		
Toluene*	<0.050	0.050	04/06/2023	ND	1.99	99.4	2.00	2.40		
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	1.99	99.4	2.00	1.71		
Total Xylenes*	<0.150	0.150	04/06/2023	ND	5.96	99.4	6.00	0.682		
Total BTEX	<0.300	0.300	04/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	04/10/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2023	ND	178	89.0	200	2.18	
DRO >C10-C28*	<10.0	10.0	04/08/2023	ND	175	87.6	200	0.505	
EXT DRO >C28-C36	<10.0	10.0	04/08/2023	ND					

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 4 (16.5') (H231630-04)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/06/2023	ND	1.97	98.4	2.00	1.04		
Toluene*	<0.050	0.050	04/06/2023	ND	1.99	99.4	2.00	2.40		
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	1.99	99.4	2.00	1.71		
Total Xylenes*	<0.150	0.150	04/06/2023	ND	5.96	99.4	6.00	0.682		
Total BTEX	<0.300	0.300	04/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/10/2023	ND	416	104	400	3.77	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2023	ND	178	89.0	200	2.18	
DRO >C10-C28*	<10.0	10.0	04/08/2023	ND	175	87.6	200	0.505	
EXT DRO >C28-C36	<10.0	10.0	04/08/2023	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 5 (16.5') (H231630-05)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2023	ND	1.97	98.4	2.00	1.04	
Toluene*	<0.050	0.050	04/06/2023	ND	1.99	99.4	2.00	2.40	
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	1.99	99.4	2.00	1.71	
Total Xylenes*	<0.150	0.150	04/06/2023	ND	5.96	99.4	6.00	0.682	
Total BTEx	<0.300	0.300	04/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	04/10/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2023	ND	178	89.0	200	2.18	
DRO >C10-C28*	<10.0	10.0	04/08/2023	ND	175	87.6	200	0.505	
EXT DRO >C28-C36	<10.0	10.0	04/08/2023	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 6 (16.5') (H231630-06)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/06/2023	ND	1.97	98.4	2.00	1.04		
Toluene*	<0.050	0.050	04/06/2023	ND	1.99	99.4	2.00	2.40		
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	1.99	99.4	2.00	1.71		
Total Xylenes*	<0.150	0.150	04/06/2023	ND	5.96	99.4	6.00	0.682		
Total BTEX	<0.300	0.300	04/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	04/10/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2023	ND	178	89.0	200	2.18	
DRO >C10-C28*	<10.0	10.0	04/08/2023	ND	175	87.6	200	0.505	
EXT DRO >C28-C36	<10.0	10.0	04/08/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 7 (16.5') (H231630-07)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/06/2023	ND	1.97	98.4	2.00	1.04		
Toluene*	<0.050	0.050	04/06/2023	ND	1.99	99.4	2.00	2.40		
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	1.99	99.4	2.00	1.71		
Total Xylenes*	<0.150	0.150	04/06/2023	ND	5.96	99.4	6.00	0.682		
Total BTEX	<0.300	0.300	04/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	04/10/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2023	ND	178	89.0	200	2.18	
DRO >C10-C28*	<10.0	10.0	04/08/2023	ND	175	87.6	200	0.505	
EXT DRO >C28-C36	<10.0	10.0	04/08/2023	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 8 (16.5') (H231630-08)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/06/2023	ND	1.97	98.4	2.00	1.04		
Toluene*	<0.050	0.050	04/06/2023	ND	1.99	99.4	2.00	2.40		
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	1.99	99.4	2.00	1.71		
Total Xylenes*	<0.150	0.150	04/06/2023	ND	5.96	99.4	6.00	0.682		
Total BTEX	<0.300	0.300	04/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	04/10/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2023	ND	178	89.0	200	2.18	
DRO >C10-C28*	<10.0	10.0	04/08/2023	ND	175	87.6	200	0.505	
EXT DRO >C28-C36	<10.0	10.0	04/08/2023	ND					

Surrogate: 1-Chlorooctane 98.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 9 (16.5') (H231630-09)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/06/2023	ND	1.97	98.4	2.00	1.04		
Toluene*	<0.050	0.050	04/06/2023	ND	1.99	99.4	2.00	2.40		
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	1.99	99.4	2.00	1.71		
Total Xylenes*	<0.150	0.150	04/06/2023	ND	5.96	99.4	6.00	0.682		
Total BTEX	<0.300	0.300	04/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	04/10/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2023	ND	178	89.0	200	2.18	
DRO >C10-C28*	<10.0	10.0	04/08/2023	ND	175	87.6	200	0.505	
EXT DRO >C28-C36	<10.0	10.0	04/08/2023	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 49.1-148

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Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 1 (16.5') (H231630-10)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/06/2023	ND	1.97	98.4	2.00	1.04		
Toluene*	<0.050	0.050	04/06/2023	ND	1.99	99.4	2.00	2.40		
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	1.99	99.4	2.00	1.71		
Total Xylenes*	<0.150	0.150	04/06/2023	ND	5.96	99.4	6.00	0.682		
Total BTEX	<0.300	0.300	04/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	04/10/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2023	ND	178	89.0	200	2.18	
DRO >C10-C28*	<10.0	10.0	04/08/2023	ND	175	87.6	200	0.505	
EXT DRO >C28-C36	<10.0	10.0	04/08/2023	ND					

Surrogate: 1-Chlorooctane 83.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.7 % 49.1-148

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Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 2 (16.5') (H231630-11)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/07/2023	ND	1.97	98.4	2.00	1.04		
Toluene*	<0.050	0.050	04/07/2023	ND	1.99	99.4	2.00	2.40		
Ethylbenzene*	<0.050	0.050	04/07/2023	ND	1.99	99.4	2.00	1.71		
Total Xylenes*	<0.150	0.150	04/07/2023	ND	5.96	99.4	6.00	0.682		
Total BTEx	<0.300	0.300	04/07/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	04/10/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2023	ND	178	89.0	200	2.18	
DRO >C10-C28*	<10.0	10.0	04/08/2023	ND	175	87.6	200	0.505	
EXT DRO >C28-C36	<10.0	10.0	04/08/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 3 (16.5') (H231630-12)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/07/2023	ND	1.97	98.4	2.00	1.04	
Toluene*	<0.050	0.050	04/07/2023	ND	1.99	99.4	2.00	2.40	
Ethylbenzene*	<0.050	0.050	04/07/2023	ND	1.99	99.4	2.00	1.71	
Total Xylenes*	<0.150	0.150	04/07/2023	ND	5.96	99.4	6.00	0.682	
Total BTEX	<0.300	0.300	04/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	04/10/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2023	ND	178	89.0	200	2.18	
DRO >C10-C28*	<10.0	10.0	04/08/2023	ND	175	87.6	200	0.505	
EXT DRO >C28-C36	<10.0	10.0	04/08/2023	ND					

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

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Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 4 (16.5') (H231630-13)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/07/2023	ND	1.97	98.4	2.00	1.04		
Toluene*	<0.050	0.050	04/07/2023	ND	1.99	99.4	2.00	2.40		
Ethylbenzene*	<0.050	0.050	04/07/2023	ND	1.99	99.4	2.00	1.71		
Total Xylenes*	<0.150	0.150	04/07/2023	ND	5.96	99.4	6.00	0.682		
Total BTEX	<0.300	0.300	04/07/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	04/10/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2023	ND	178	89.0	200	2.18	
DRO >C10-C28*	<10.0	10.0	04/08/2023	ND	175	87.6	200	0.505	
EXT DRO >C28-C36	<10.0	10.0	04/08/2023	ND					

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 5 (16.5') (H231630-14)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/07/2023	ND	1.97	98.4	2.00	1.04		
Toluene*	<0.050	0.050	04/07/2023	ND	1.99	99.4	2.00	2.40		
Ethylbenzene*	<0.050	0.050	04/07/2023	ND	1.99	99.4	2.00	1.71		
Total Xylenes*	<0.150	0.150	04/07/2023	ND	5.96	99.4	6.00	0.682		
Total BTEx	<0.300	0.300	04/07/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	04/10/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2023	ND	178	89.0	200	2.18	
DRO >C10-C28*	<10.0	10.0	04/08/2023	ND	175	87.6	200	0.505	
EXT DRO >C28-C36	<10.0	10.0	04/08/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 6 (16.5') (H231630-15)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/07/2023	ND	1.97	98.4	2.00	1.04	
Toluene*	<0.050	0.050	04/07/2023	ND	1.99	99.4	2.00	2.40	
Ethylbenzene*	<0.050	0.050	04/07/2023	ND	1.99	99.4	2.00	1.71	
Total Xylenes*	<0.150	0.150	04/07/2023	ND	5.96	99.4	6.00	0.682	
Total BTEx	<0.300	0.300	04/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/10/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2023	ND	176	87.8	200	2.95	
DRO >C10-C28*	<10.0	10.0	04/08/2023	ND	193	96.5	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	04/08/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 7 (16.5') (H231630-16)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/07/2023	ND	1.97	98.4	2.00	1.04		
Toluene*	<0.050	0.050	04/07/2023	ND	1.99	99.4	2.00	2.40		
Ethylbenzene*	<0.050	0.050	04/07/2023	ND	1.99	99.4	2.00	1.71		
Total Xylenes*	<0.150	0.150	04/07/2023	ND	5.96	99.4	6.00	0.682		
Total BTEX	<0.300	0.300	04/07/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/10/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2023	ND	176	87.8	200	2.95	
DRO >C10-C28*	<10.0	10.0	04/08/2023	ND	193	96.5	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	04/08/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 8 (16.5') (H231630-17)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/07/2023	ND	1.97	98.4	2.00	1.04	
Toluene*	<0.050	0.050	04/07/2023	ND	1.99	99.4	2.00	2.40	
Ethylbenzene*	<0.050	0.050	04/07/2023	ND	1.99	99.4	2.00	1.71	
Total Xylenes*	<0.150	0.150	04/07/2023	ND	5.96	99.4	6.00	0.682	
Total BTEX	<0.300	0.300	04/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9860	16.0	04/10/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2023	ND	176	87.8	200	2.95	
DRO >C10-C28*	<10.0	10.0	04/08/2023	ND	193	96.5	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	04/08/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 9 (16.5') (H231630-18)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2023	ND	2.04	102	2.00	4.45	
Toluene*	<0.050	0.050	04/06/2023	ND	2.06	103	2.00	5.11	
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.09	104	2.00	4.24	
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.41	107	6.00	4.26	
Total BTEX	<0.300	0.300	04/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11200	16.0	04/10/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2023	ND	176	87.8	200	2.95	
DRO >C10-C28*	<10.0	10.0	04/08/2023	ND	193	96.5	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	04/08/2023	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 10 (16.5') (H231630-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/06/2023	ND	2.04	102	2.00	4.45		
Toluene*	<0.050	0.050	04/06/2023	ND	2.06	103	2.00	5.11		
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.09	104	2.00	4.24		
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.41	107	6.00	4.26		
Total BTEX	<0.300	0.300	04/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7600	16.0	04/10/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2023	ND	176	87.8	200	2.95	
DRO >C10-C28*	<10.0	10.0	04/08/2023	ND	193	96.5	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	04/08/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 11 (16.5') (H231630-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/06/2023	ND	2.04	102	2.00	4.45		
Toluene*	<0.050	0.050	04/06/2023	ND	2.06	103	2.00	5.11		
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.09	104	2.00	4.24		
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.41	107	6.00	4.26		
Total BTEX	<0.300	0.300	04/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7730	16.0	04/10/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2023	ND	176	87.8	200	2.95	
DRO >C10-C28*	<10.0	10.0	04/08/2023	ND	193	96.5	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	04/08/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 12 (16.5') (H231630-21)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/07/2023	ND	2.04	102	2.00	4.45		
Toluene*	<0.050	0.050	04/07/2023	ND	2.06	103	2.00	5.11		
Ethylbenzene*	<0.050	0.050	04/07/2023	ND	2.09	104	2.00	4.24		
Total Xylenes*	<0.150	0.150	04/07/2023	ND	6.41	107	6.00	4.26		
Total BTEx	<0.300	0.300	04/07/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8800	16.0	04/10/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2023	ND	176	87.8	200	2.95	
DRO >C10-C28*	10.1	10.0	04/08/2023	ND	193	96.5	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	04/08/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 13 (16.5') (H231630-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/07/2023	ND	2.04	102	2.00	4.45		
Toluene*	<0.050	0.050	04/07/2023	ND	2.06	103	2.00	5.11		
Ethylbenzene*	<0.050	0.050	04/07/2023	ND	2.09	104	2.00	4.24		
Total Xylenes*	<0.150	0.150	04/07/2023	ND	6.41	107	6.00	4.26		
Total BTEx	<0.300	0.300	04/07/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10200	16.0	04/10/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2023	ND	176	87.8	200	2.95	
DRO >C10-C28*	<10.0	10.0	04/08/2023	ND	193	96.5	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	04/08/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 14 (16.5') (H231630-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/07/2023	ND	2.04	102	2.00	4.45		
Toluene*	<0.050	0.050	04/07/2023	ND	2.06	103	2.00	5.11		
Ethylbenzene*	<0.050	0.050	04/07/2023	ND	2.09	104	2.00	4.24		
Total Xylenes*	<0.150	0.150	04/07/2023	ND	6.41	107	6.00	4.26		
Total BTEX	<0.300	0.300	04/07/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10400	16.0	04/10/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2023	ND	176	87.8	200	2.95	
DRO >C10-C28*	<10.0	10.0	04/08/2023	ND	193	96.5	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	04/08/2023	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.3 % 49.1-148

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Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 15 (16.5') (H231630-24)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/07/2023	ND	2.04	102	2.00	4.45		
Toluene*	<0.050	0.050	04/07/2023	ND	2.06	103	2.00	5.11		
Ethylbenzene*	<0.050	0.050	04/07/2023	ND	2.09	104	2.00	4.24		
Total Xylenes*	<0.150	0.150	04/07/2023	ND	6.41	107	6.00	4.26		
Total BTEX	<0.300	0.300	04/07/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8930	16.0	04/10/2023	ND	416	104	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2023	ND	176	87.8	200	2.95	
DRO >C10-C28*	<10.0	10.0	04/08/2023	ND	193	96.5	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	04/08/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 16 (16.5') (H231630-25)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/07/2023	ND	2.04	102	2.00	4.45		
Toluene*	<0.050	0.050	04/07/2023	ND	2.06	103	2.00	5.11		
Ethylbenzene*	<0.050	0.050	04/07/2023	ND	2.09	104	2.00	4.24		
Total Xylenes*	<0.150	0.150	04/07/2023	ND	6.41	107	6.00	4.26		
Total BTEX	<0.300	0.300	04/07/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6930	16.0	04/10/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2023	ND	176	87.8	200	2.95	
DRO >C10-C28*	<10.0	10.0	04/08/2023	ND	193	96.5	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	04/08/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 17 (16.5') (H231630-26)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/07/2023	ND	2.04	102	2.00	4.45		
Toluene*	<0.050	0.050	04/07/2023	ND	2.06	103	2.00	5.11		
Ethylbenzene*	<0.050	0.050	04/07/2023	ND	2.09	104	2.00	4.24		
Total Xylenes*	<0.150	0.150	04/07/2023	ND	6.41	107	6.00	4.26		
Total BTEX	<0.300	0.300	04/07/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7060	16.0	04/10/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2023	ND	176	87.8	200	2.95	
DRO >C10-C28*	<10.0	10.0	04/08/2023	ND	193	96.5	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	04/08/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 18 (16.5') (H231630-27)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/07/2023	ND	2.04	102	2.00	4.45		
Toluene*	<0.050	0.050	04/07/2023	ND	2.06	103	2.00	5.11		
Ethylbenzene*	<0.050	0.050	04/07/2023	ND	2.09	104	2.00	4.24		
Total Xylenes*	<0.150	0.150	04/07/2023	ND	6.41	107	6.00	4.26		
Total BTEX	<0.300	0.300	04/07/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8660	16.0	04/10/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2023	ND	176	87.8	200	2.95	
DRO >C10-C28*	<10.0	10.0	04/08/2023	ND	193	96.5	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	04/08/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 19 (16.5') (H231630-28)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/07/2023	ND	2.04	102	2.00	4.45		
Toluene*	<0.050	0.050	04/07/2023	ND	2.06	103	2.00	5.11		
Ethylbenzene*	<0.050	0.050	04/07/2023	ND	2.09	104	2.00	4.24		
Total Xylenes*	<0.150	0.150	04/07/2023	ND	6.41	107	6.00	4.26		
Total BTEX	<0.300	0.300	04/07/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	04/10/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2023	ND	176	87.8	200	2.95	
DRO >C10-C28*	<10.0	10.0	04/08/2023	ND	193	96.5	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	04/08/2023	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.2 % 49.1-148

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Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 20 (16.5') (H231630-29)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/07/2023	ND	2.04	102	2.00	4.45		
Toluene*	<0.050	0.050	04/07/2023	ND	2.06	103	2.00	5.11		
Ethylbenzene*	<0.050	0.050	04/07/2023	ND	2.09	104	2.00	4.24		
Total Xylenes*	<0.150	0.150	04/07/2023	ND	6.41	107	6.00	4.26		
Total BTEx	<0.300	0.300	04/07/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	04/10/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2023	ND	176	87.8	200	2.95	
DRO >C10-C28*	<10.0	10.0	04/08/2023	ND	193	96.5	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	04/08/2023	ND					

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 21 (16.5') (H231630-30)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/07/2023	ND	2.04	102	2.00	4.45		
Toluene*	<0.050	0.050	04/07/2023	ND	2.06	103	2.00	5.11		
Ethylbenzene*	<0.050	0.050	04/07/2023	ND	2.09	104	2.00	4.24		
Total Xylenes*	<0.150	0.150	04/07/2023	ND	6.41	107	6.00	4.26		
Total BTEX	<0.300	0.300	04/07/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	04/10/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2023	ND	176	87.8	200	2.95	
DRO >C10-C28*	<10.0	10.0	04/08/2023	ND	193	96.5	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	04/08/2023	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 22 (16.5') (H231630-31)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/07/2023	ND	2.04	102	2.00	4.45		
Toluene*	<0.050	0.050	04/07/2023	ND	2.06	103	2.00	5.11		
Ethylbenzene*	<0.050	0.050	04/07/2023	ND	2.09	104	2.00	4.24		
Total Xylenes*	<0.150	0.150	04/07/2023	ND	6.41	107	6.00	4.26		
Total BTEX	<0.300	0.300	04/07/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	04/10/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2023	ND	176	87.8	200	2.95	
DRO >C10-C28*	<10.0	10.0	04/08/2023	ND	193	96.5	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	04/08/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 23 (16.5') (H231630-32)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/07/2023	ND	2.04	102	2.00	4.45		
Toluene*	<0.050	0.050	04/07/2023	ND	2.06	103	2.00	5.11		
Ethylbenzene*	<0.050	0.050	04/07/2023	ND	2.09	104	2.00	4.24		
Total Xylenes*	<0.150	0.150	04/07/2023	ND	6.41	107	6.00	4.26		
Total BTEX	<0.300	0.300	04/07/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	04/10/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2023	ND	176	87.8	200	2.95	
DRO >C10-C28*	<10.0	10.0	04/08/2023	ND	193	96.5	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	04/08/2023	ND					

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 24 (16.5') (H231630-33)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/07/2023	ND	2.04	102	2.00	4.45		
Toluene*	<0.050	0.050	04/07/2023	ND	2.06	103	2.00	5.11		
Ethylbenzene*	<0.050	0.050	04/07/2023	ND	2.09	104	2.00	4.24		
Total Xylenes*	<0.150	0.150	04/07/2023	ND	6.41	107	6.00	4.26		
Total BTEx	<0.300	0.300	04/07/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/10/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2023	ND	176	87.8	200	2.95	
DRO >C10-C28*	<10.0	10.0	04/08/2023	ND	193	96.5	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	04/08/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 25 (16.5') (H231630-34)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/07/2023	ND	2.04	102	2.00	4.45		
Toluene*	<0.050	0.050	04/07/2023	ND	2.06	103	2.00	5.11		
Ethylbenzene*	<0.050	0.050	04/07/2023	ND	2.09	104	2.00	4.24		
Total Xylenes*	<0.150	0.150	04/07/2023	ND	6.41	107	6.00	4.26		
Total BTEX	<0.300	0.300	04/07/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/10/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2023	ND	176	87.8	200	2.95	
DRO >C10-C28*	<10.0	10.0	04/08/2023	ND	193	96.5	200	1.81	
EXT DRO >C28-C36	<10.0	10.0	04/08/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 26 (16.5') (H231630-35)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/07/2023	ND	2.04	102	2.00	4.45		
Toluene*	<0.050	0.050	04/07/2023	ND	2.06	103	2.00	5.11		
Ethylbenzene*	<0.050	0.050	04/07/2023	ND	2.09	104	2.00	4.24		
Total Xylenes*	<0.150	0.150	04/07/2023	ND	6.41	107	6.00	4.26		
Total BTEX	<0.300	0.300	04/07/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/10/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/10/2023	ND	185	92.6	200	4.82	
DRO >C10-C28*	<10.0	10.0	04/10/2023	ND	180	89.9	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	04/10/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 27 (16.5') (H231630-36)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/07/2023	ND	2.04	102	2.00	4.45		
Toluene*	<0.050	0.050	04/07/2023	ND	2.06	103	2.00	5.11		
Ethylbenzene*	<0.050	0.050	04/07/2023	ND	2.09	104	2.00	4.24		
Total Xylenes*	<0.150	0.150	04/07/2023	ND	6.41	107	6.00	4.26		
Total BTEx	<0.300	0.300	04/07/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	04/10/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/10/2023	ND	185	92.6	200	4.82	
DRO >C10-C28*	<10.0	10.0	04/10/2023	ND	180	89.9	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	04/10/2023	ND					

Surrogate: 1-Chlorooctane 79.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/06/2023
 Reported: 04/10/2023
 Project Name: LAGUNA GRANDE UNIT 7 ROW
 Project Number: 1029
 Project Location: CIMAREX - EDDY CO., NM

Sampling Date: 04/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 28 (16.5') (H231630-37)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/07/2023	ND	2.04	102	2.00	4.45		
Toluene*	<0.050	0.050	04/07/2023	ND	2.06	103	2.00	5.11		
Ethylbenzene*	<0.050	0.050	04/07/2023	ND	2.09	104	2.00	4.24		
Total Xylenes*	<0.150	0.150	04/07/2023	ND	6.41	107	6.00	4.26		
Total BTEX	<0.300	0.300	04/07/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	04/10/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/10/2023	ND	185	92.6	200	4.82	
DRO >C10-C28*	<10.0	10.0	04/10/2023	ND	180	89.9	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	04/10/2023	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: 4231430

Page 1 of 4

Project Manager:	Conner Moehring	Bill to: (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 West Wall Ste. 415 500	Address:	600 N Mainfield St. Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-6823	Email:	laci.luig@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	☐ Routine ☒ Rush	Press. Code	ANALYSIS REQUEST												Preservative Codes						
Project Number:	1029	Due Date:	24 Hours														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:	CCM																HCL: HC	HNO ₃ : HN					
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na					
SAMPLE RECEIPT				Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐													H ₃ PO ₄ : HP			
Received Inact:	Yes ☒ No ☐	Thermometer ID:	113													NaHSO ₄ : NABIS							
Cooler Custody Seals:	Yes ☒ No ☐ N/A	Correction Factor:	-0.6°C													Na ₂ S ₂ O ₃ : NaSO ₃							
Sample Custody Seals:	Yes ☒ No ☐ N/A	Temperature Reading:	6.4°C													Zn Acetate+NaOH: Zn							
Total Containers:		Corrected Temperature:	5.8°C													NaOH+Ascorbic Acid: SAPC							
Sample Identification				Date	Time	Soil	Water	Grab/Comp	# of Cont	BTX 8021B												Sample Comments	
CS - 1 (16.5)				4/6/2023		X		Comp	1	X	X	X	X	X	X	X							
CS - 2 (16.5)				4/6/2023		X		Comp	1	X	X	X	X	X	X	X							
CS - 3 (16.5)				4/6/2023		X		Comp	1	X	X	X	X	X	X	X							
CS - 4 (16.5)				4/6/2023		X		Comp	1	X	X	X	X	X	X	X							
CS - 5 (16.5)				4/6/2023		X		Comp	1	X	X	X	X	X	X	X							
CS - 6 (16.5)				4/6/2023		X		Comp	1	X	X	X	X	X	X	X							
CS - 7 (16.5)				4/6/2023		X		Comp	1	X	X	X	X	X	X	X							
CS - 8 (16.5)				4/6/2023		X		Comp	1	X	X	X	X	X	X	X							
CS - 9 (16.5)				4/6/2023		X		Comp	1	X	X	X	X	X	X	X							
SW - 1 (16.5)				4/6/2023		X		Comp	1	X	X	X	X	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
<i>[Signature]</i>	<i>[Signature]</i>	4/6/23 1524			
		4			
		6			

Chain of Custody

Work Order No: 1031430

Page 2 of 4

Project Manager:	Conner Moehring	Bill to: (if diff rent)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 West Wall Ste. <u>415 500</u>	Address:	600 N Mainfield St. Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-6823	Email:	laci.luig@colterra.com

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

Project Name:	Laguna Grande Unit 7 ROW	☐ Routine ☒ Rush	Turn Around	Due Date:	24 Hours	Pres. Code	ANALYSIS REQUEST										Preservative Codes	
Project Number:	1029																None: NO	DI Water: H ₂ O
Project Location:	Eddy Co, NM																Cool: Cool	MeOH: Me
Sampler's Name:	CCM																HCL: HC	HNO ₃ : HN
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT		Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐												H ₃ PO ₄ : HP	
Received In tact:	Yes ☒ No ☐	Thermometer ID:		Correction Factor:													NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes ☒ No ☐ N/A	Temperature Reading:		Corrected Temperature:													Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes ☒ No ☐ N/A																Zn Acetate+NaOH: Zn	
Total Containers:																	NaOH+Ascorbic Acid: SAPC	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments	
SW - 2 (16.5)	4/6/2023		X		Comp	1	X	X	X									
SW - 3 (16.5)	4/6/2023		X		Comp	1	X	X	X									
SW - 4 (16.5)	4/6/2023		X		Comp	1	X	X	X									
SW - 5 (16.5)	4/6/2023		X		Comp	1	X	X	X									
SW - 6 (16.5)	4/6/2023		X		Comp	1	X	X	X									
SW - 7 (16.5)	4/6/2023		X		Comp	1	X	X	X									
SW - 8 (16.5)	4/6/2023		X		Comp	1	X	X	X									
SW - 9 (16.5)	4/6/2023		X		Comp	1	X	X	X									
SW - 10 (16.5)	4/6/2023		X		Comp	1	X	X	X									
SW - 11 (16.5)	4/6/2023		X		Comp	1	X	X	X									

Please send results to cmoeching@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Conner Moehring</i>	<i>Laci Luig</i>	4-6-23/1530			
		4			
		6			

Chain of Custody

Work Order No: 1031030

Page 3 of 4

Project Manager:	Conner Moehring	Bill to: (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 West Wall Ste. 415 500	Address:	600 N Marientfield St. Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-6823	Email:	laci.luig@ccterra.com

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	☐ Routine ☒ Rush	Press. Code	ANALYSIS REQUEST										Preservative Codes			
Project Number:	1029	Due Date:	24 Hours												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:	CCM															HCL: HC	HNO ₃ : HN	
PO #:																H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT		Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐											H ₃ PO ₄ : HP		
Received Intact:	Yes ☒ No ☐	Thermometer ID:	113													NaHSO ₄ : NABIS		
Cooler Custody Seals:	Yes ☒ No ☐ N/A ☐	Correction Factor:	-0.16%													Na ₂ S ₂ O ₃ : NaSO ₃		
Sample Custody Seals:	Yes ☒ No ☐ N/A ☐	Temperature Reading:	64.4°C													Zn Acetate+NaOH: Zn		
Total Containers:		Corrected Temperature:	5.8°C													NaOH+Ascorbic Acid: S APC		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments	
SW - 12 (16.5)	4/6/2023		X		Comp	1	X	X	X	X								
SW - 13 (16.5)	4/6/2023		X		Comp	1	X	X	X	X								
SW - 14 (16.5)	4/6/2023		X		Comp	1	X	X	X	X								
SW - 15 (16.5)	4/6/2023		X		Comp	1	X	X	X	X								
SW - 16 (16.5)	4/6/2023		X		Comp	1	X	X	X	X								
SW - 17 (16.5)	4/6/2023		X		Comp	1	X	X	X	X								
SW - 18 (16.5)	4/6/2023		X		Comp	1	X	X	X	X								
SW - 19 (16.5)	4/6/2023		X		Comp	1	X	X	X	X								
SW - 20 (16.5)	4/6/2023		X		Comp	1	X	X	X	X								
SW - 21 (16.5)	4/6/2023		X		Comp	1	X	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
<i>[Signature]</i>	<i>[Signature]</i>	4-6-23 1534			

Chain of Custody

Work Order No: 1031030

Page 4 of 4

Project Manager:	Conner Moehring	Bill to: (if different)	Laci Luig
Company Name:	Carmona Resources	Company Name:	Cimarex Energy
Address:	310 West Wall Ste. 416 500	Address:	600 N Marientfield St, Suite 600
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	432-813-6823	Email:	laci.luig@comera.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	☐ Routine ☒ Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	1029	Due Date:	24 Hours														None: NO	DI Water: H ₂ O	
Project Location:	Edly Co, NM																Cool: Cool	MeOH: Me	
Sampler's Name:	CCM		TAI starts the day received by the lab, if received by 4:30pm														HCL: HC	HNO ₃ : HN	
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT				Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐	Parameters										HOLD	
Received Intact:	Yes ☒ No ☐	Thermometer ID:						BTEX 8021B										NaHSO ₄ : HP	
Cooler Custody Seals:	Yes ☒ No ☐ N/A	Correction Factor:						TPH 8015M (GRO + DRO + MRO)										Na ₂ S ₂ O ₃ : NABIS	
Sample Custody Seals:	Yes ☒ No ☐ N/A	Temperature Reading:						Chloride 4500										Na ₂ S ₂ O ₃ : NaSO ₃	
Total Containers:		Corrected Temperature:															Zn Acetate+NaOH: Zn	NaOH+Ascorbic Acid: SAPC	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments		
SW - 22 (16.5')	4/6/2023		X		Comp	1	X	X	X										
SW - 23 (16.5')	4/6/2023		X		Comp	1	X	X	X										
SW - 24 (16.5')	4/6/2023		X		Comp	1	X	X	X										
SW - 25 (16.5')	4/6/2023		X		Comp	1	X	X	X										
SW - 26 (16.5')	4/6/2023		X		Comp	1	X	X	X										
SW - 27 (16.5')	4/6/2023		X		Comp	1	X	X	X										
SW - 28 (16.5')	4/6/2023		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
<i>Conner Moehring</i>	<i>Laci Luig</i>	4-6-23 1536			

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 283676

CONDITIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd, Ste 300N Midland, TX 79706	OGRID: 162683
	Action Number: 283676
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Deferral is approved. Remediation Due date will be left open until the site has been plugged and abandoned or a major facility deconstruction takes place.	1/22/2024