

L48 Spill Volume Estimate Form - Fill In Gray Cells									
Facility Name & Well Number(s): Lusk A 19H					Release Discovery Date & Time: 10.1.24				
Provide any known details about the event:					Primary Cause (dropdown):		Secondary Cause (dropdown):		
					Was the Release to Soil / Caliche (dropdown):		Release On/Off Pad (dropdown):		Recovered Volume (bbl.) (if available, not included in volume calculations)
							Release Type (dropdown):		Method of Determination (dropdown):
BU:	L48 Default	Asset Area:		Yes			Produced Water		
Known Volume (dropdown):					No				
Known Area (dropdown):					Yes	Mapped Area (sq. ft.)	Average Depth (in.)	Total Estimated Volume of Spill (bbl.)	
						2620	2.25	88.2623	

On Pad-Subsurface Spill Cal=15.15 bbls

L48 Spill Volume Estimate Form - Fill In Gray Cells									
Facility Name & Well Number(s): Lusk 19H					Release Discovery Date & Time: 10.1.24				
Provide any known details about the event:					Primary Cause (dropdown):		Secondary Cause (dropdown):		
					Recovered Volume (bbl.) (if available, not included in volume calculations)		Method of Determination (dropdown):		Release Type (dropdown):
							> 1/2" of Rain in Last 24 Hours (dropdown):		% Rainwater Recovered (not included in volume calculations, informational):
BU:	Permian	Asset Area:	DBW - Fine Sands			Produced Water			No
Known Volume (dropdown):					No				
Known Area (dropdown):					Yes	Mapped Area (sq. ft.)	Average Depth (in.)	On/Off Pad	Total Estimated Volume of Spill (bbl.)
						3244	3	On-Pad	15.1576

Off Pad-Subsurface Spill=37.12 bbls

L48 Spill Volume Estimate Form - Fill In Gray Cells									
Facility Name & Well Number(s): Lusk 19H					Release Discovery Date & Time: 10.1.24				
Provide any known details about the event:					Primary Cause (dropdown):		Secondary Cause (dropdown):		
					Recovered Volume (bbl.) (if available, not included in volume calculations)		Method of Determination (dropdown):		Release Type (dropdown):
							> 1/2" of Rain in Last 24 Hours (dropdown):		% Rainwater Recovered (not included in volume calculations, informational):
BU:	Permian	Asset Area:	DBW - Fine Sands			Produced Water			No
Known Volume (dropdown):					No				
Known Area (dropdown):					Yes	Mapped Area (sq. ft.)	Average Depth (in.)	On/Off Pad	Total Estimated Volume of Spill (bbl.)
						6094	3	Off-Pad	37.1250



SITE INFORMATION

Work Plan
Lusk Deep Unit A #19H (10.01.24)
Incident # NAPP2427632313
Lea County, New Mexico
Unit N Sec 17 T19S R32E
32.654954°, -103.791359°

Produced Water Release
Point of Release: Equipment Failure
Release Date: 10/01/2024
Volume Released: Unknown released amount of Produced Water
Volume Recovered: Unknown recovered amount of Produced Water

CARMONA RESOURCES



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

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

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



TABLE OF CONTENTS

1.0 SITE INFORMATION AND BACKGROUND

2.0 SITE CHARACTERIZATION AND GROUNDWATER

3.0 NMAC REGULATORY CRITERIA

4.0 SITE ASSESSMENT ACTIVITIES

5.0 PROPOSED WORK PLAN

6.0 CONCLUSIONS

FIGURES

FIGURE 1	OVERVIEW	FIGURE 2	TOPOGRAPHIC
FIGURE 3	SAMPLE LOCATION	FIGURE 4	PROPOSED EXCAVATION
FIGURE 5	RECLAMATION		

APPENDICES

APPENDIX A	TABLE
APPENDIX B	PHOTOS
APPENDIX C	N.O.R./NMOCD CORRESPONDENCE
APPENDIX D	SITE CHARACTERIZATION AND GROUNDWATER
APPENDIX E	LABORATORY REPORTS
APPENDIX F	RECLAMATION CRITERIA



April 1, 2025

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

**Re: Work Plan
Lusk Deep Unit A #19H (10.01.24)
Concho Operating, LLC
Incident # NAPP2427632313
Site Location: Unit N Sec 17 T19S R32E
(Lat 32.654954°, Long -103.791359°)
Lea County, New Mexico**

To whom it may concern:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site assessment activities for the Lusk Deep Unit A #19H (10.01.24). The site is located at 32.655083°, -103.791295° within Unit N, S17, T19S, R32E in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the Notification of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on October 1, 2024, due equipment failure. It resulted in the release of an unknown amount of produced water with an unknown amount of produced water being recovered. The impacted area occurred on the pad and into the pasture, as shown in Figure 3. The Notification of Release is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, one known water source is within a 0.50-mile radius of the location. The closest well is approximately 0.51 miles Southwest of the site in S19, T19S, R32E and was drilled in 1982. The well has a reported depth to groundwater of 102 feet below the ground surface (ft bgs). A copy of the associated point of diversion is attached in Appendix C.

On March 28, 2017, a third party drilled a groundwater determination bore to 70' bgs within a 0.50-mile radius of the location. No water was detected at 70' bgs. The coordinates for the groundwater determination bore are 32.654579°, -103.791130°. See Appendix C for the log.

3.0 NMAC Regulatory Criteria

Per the NMOCD regulatory criteria established in 19.15.29.12, 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: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO + DRO).
- Chloride: 10,000 mg/kg.

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



4.0 Site Assessment Activities

Initial Assessment

On October 25, 2024, Carmona Resources, LLC performed initial site assessment activities to evaluate soil impacts stemming from the release. A total of eight (8) sample points (S-1 through S-8) and nine (9) horizontal sample points (H-1 through H-9) were advanced to depths ranging from surface to 5' bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figure 3 for the soil sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

Vertical Delineation

Vertical delineation was not achieved due to a dense geological formation ranging from various depths throughout the release. Refer to Table 1.

Horizontal Delineation

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

Trenching Activities

On November 15, 2024, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. To assess the vertical extent, six (6) trenches were advanced to depths ranging from the surface to 9' bgs within the release area. 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. See Table 1 for the analytical results.

Vertical Delineation

Vertical delineation was achieved for all trench locations. Refer to Table 1.

5.0 Proposed Work Plan

Based on the analytical data and the detected TPH and chloride concentrations, COG proposes to remediate the areas shown in Figure 4 and highlighted (blue) in Table 1.

- The areas of S-1/T-1 and S-5/T-4 will be excavated to a depth of 5.5' bgs and backfilled with clean material to grade.
- The area of S-4/T-3 will be excavated to a depth of 2.0' bgs and backfilled with clean material to grade.
- The area of S-6/T-5 will be excavated to a depth of 1.5' bgs and backfilled with clean material to grade.

CARMONA RESOURCES



- The area of S-8/T-6 will be excavated to a depth of 4.5' bgs and backfilled with clean material to grade.
- A variance is requested per 19.15.29.14. An NMAC, five-point composite bottom floor hole and sidewall samples will be collected every 400 square feet to represent the release area.
- An estimated 2,240 cubic yards will be removed and hauled to the nearest disposal based on the maximum depth.
- Once the site activities and excavation are complete, the areas will be backfilled with clean material to surface grade and reseeded with BLM Seed Mixture #2. The seed mixture will be spread by a hand-held broadcaster and raked. The pounds of pure live seed per acre will be doubled. Site inspections will assess the revegetation progress and evaluate the site for primary or secondary noxious weeds. If noxious weeds are identified, the BLM will be contacted to determine an effective eradication method. If the site does not show revegetation after one growing season, the area will be reseeded as appropriate. The BLM seed mixture details and corresponding pounds of pure live seed per acre are included in Appendix F. The area of pastureland to be reclaimed is approximately 0.14 acres. The remediation will be implemented 90 days after the work plan is approved.

6.0 Conclusions

Upon completion, a final closure report describing the remediation activities will be presented to the New Mexico Oil Conservation Division (NMOCD). If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

Mike Carmona
Environmental Manager

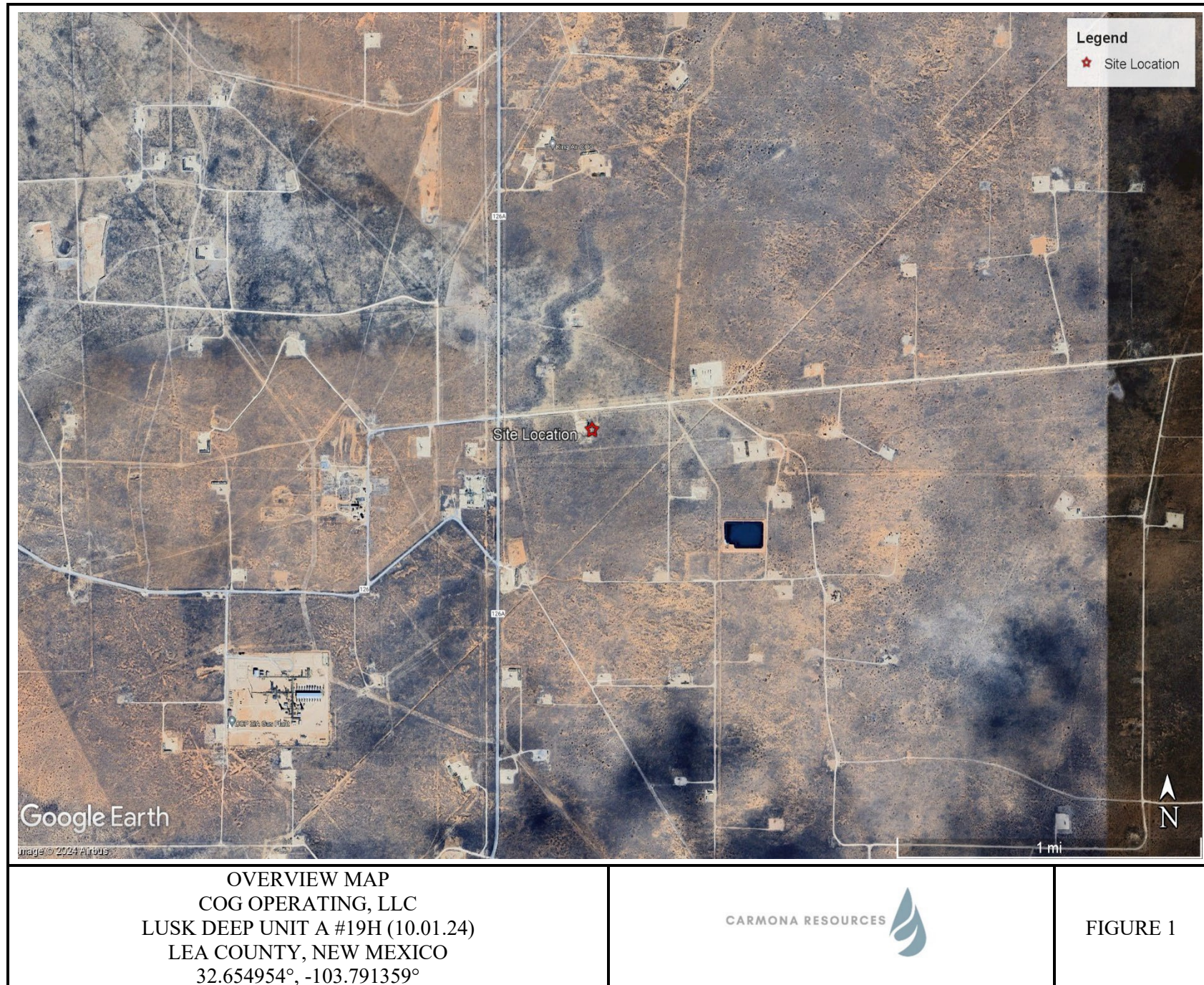
Conner Moehring
Environmental Manager

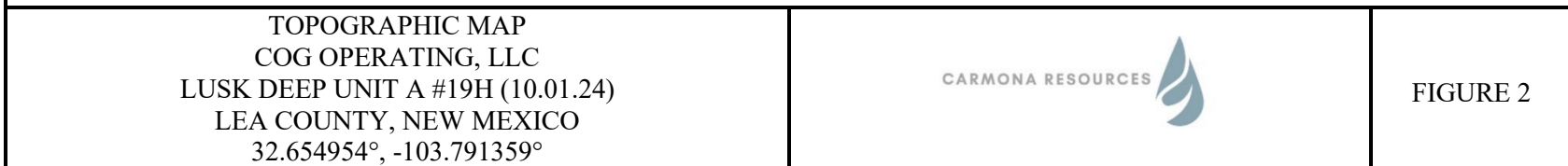
310 West Wall Street, Suite 500
Midland, TX 79701
432.813.1992

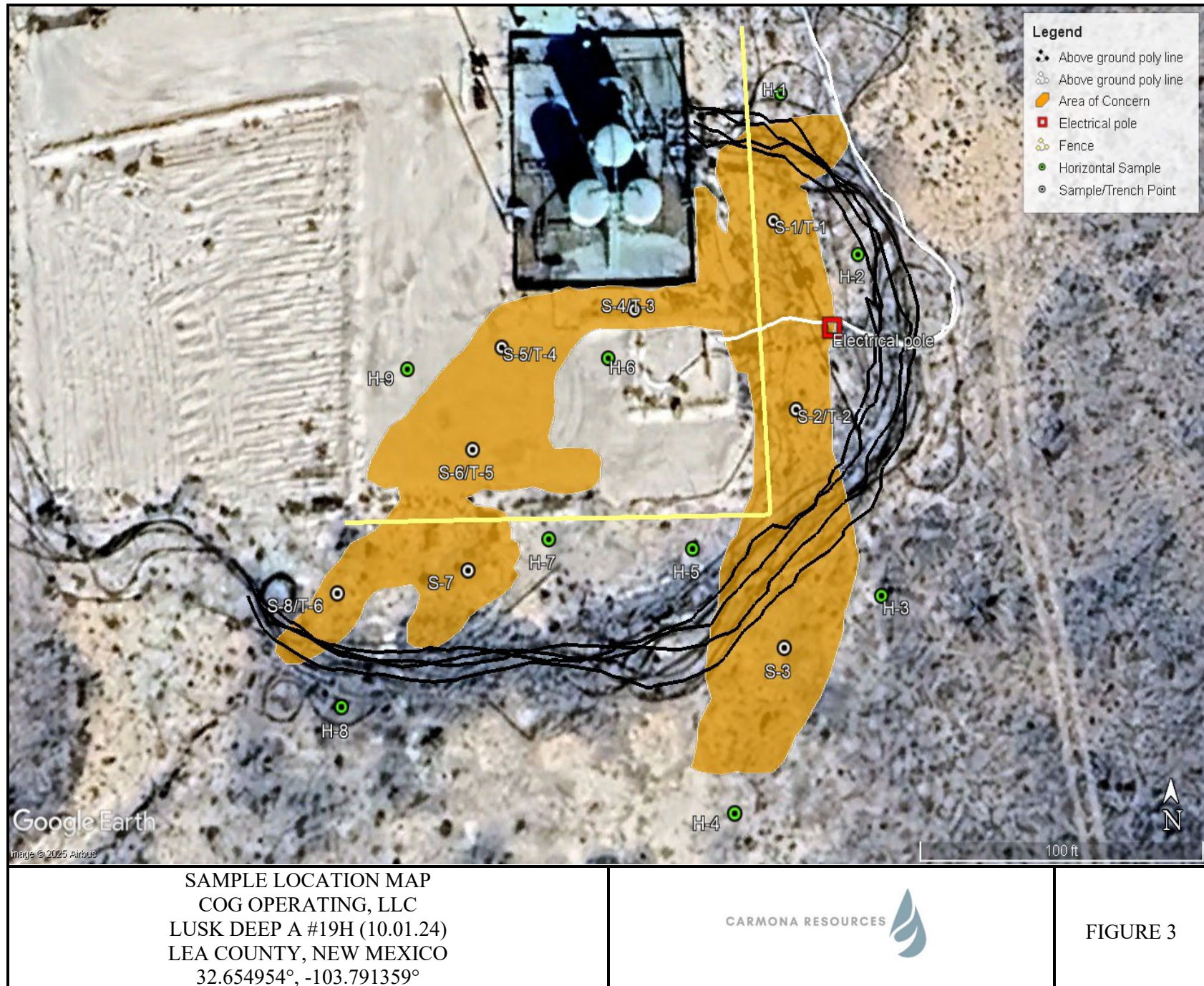
FIGURES

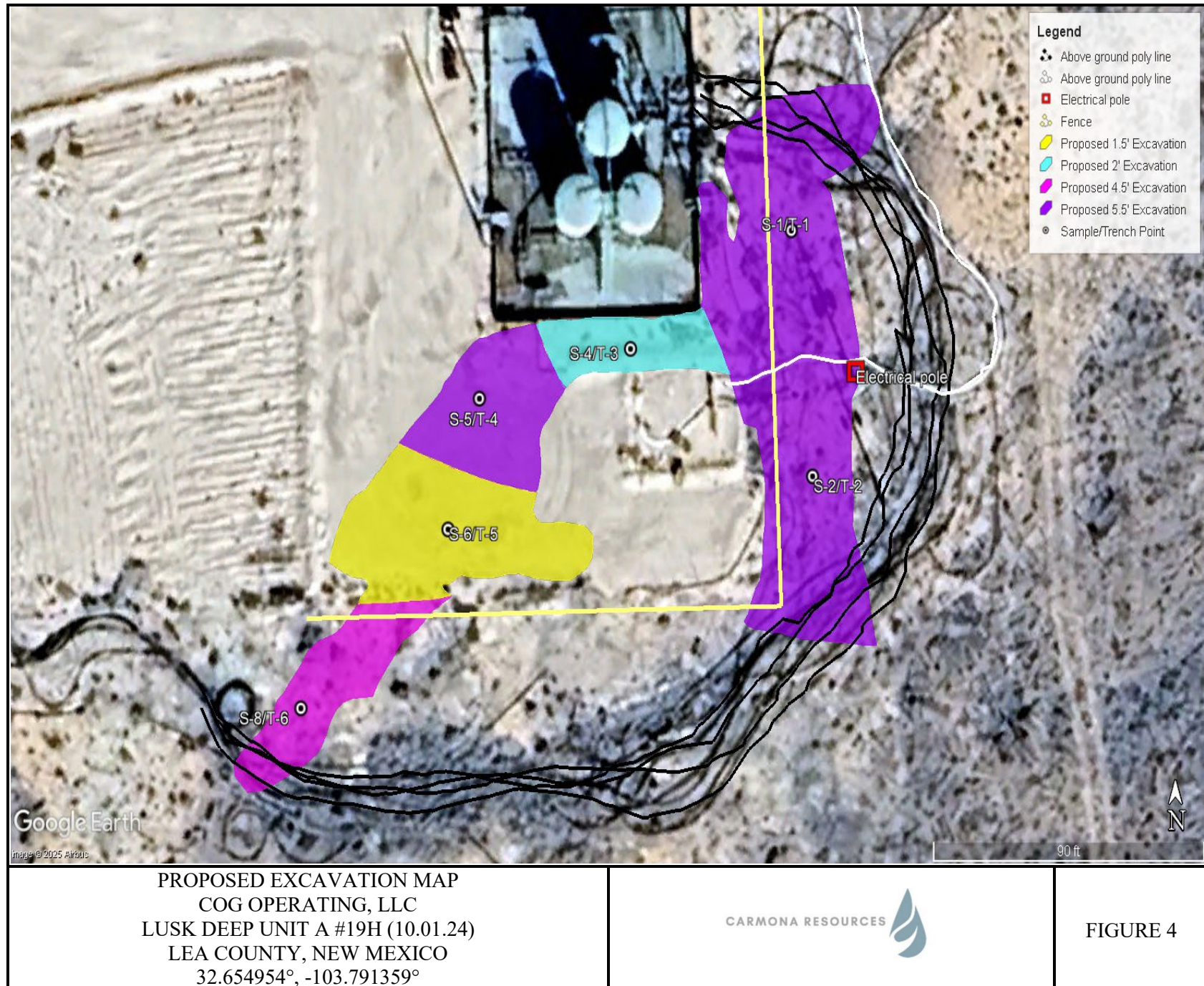
CARMONA RESOURCES













APPENDIX A

CARMONA RESOURCES



Table 1
COP
Lusk Deep Unit A #19H (10.01.24)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	10/25/2024	0-1'	2,150	8,310	<497	10,500	2.29	71.7	54.6	94.0	223	4,750
	"	1.5'	2,050	7,800	<49.7	9,850	4.15	74.8	70.3	143	262	4,340
	"	2'	1,900	7,890	<50.0	9,790	5.43	75.1	68.6	134	283	3,450
	"	3'	3,230	10,300	<497	13,500	8.12	108	93.2	174	383	3,350
	"	4'	66.3	921	<49.8	987	<0.199	1.03	1.23	3.25	5.51	905
	"	5'	<50.0	522	<50.0	522	<0.202	0.521	0.611	1.36	2.49	796
T-1	11/15/2024	0-1'	299	6,750	<49.7	7,050	0.247	3.15	4.65	10.4	18.4	11,200
	"	1.5'	1,990	5,670	<49.9	7,660	2.92	34.0	33.2	86.5	157	4,150
	"	2'	2420	6,230	<50.0	8,650	7.44	89.5	86.0	188	371	5,260
	"	3'	<49.8	98.2	<49.8	98.2	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	8,080
	"	4'	<50.0	179	<50.0	179	<0.00200	0.0107	0.0195	0.0877	0.118	5,030
	"	5'	163	859	<49.8	1,020	0.149	4.45	5.49	13.3	23.3	4,250
	"	6'	<49.7	59.3	<49.7	59.3	<0.00200	0.00536	0.0142	0.148	0.167	2,300
	"	7'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	0.00199	0.0414	0.0434	1,830
S-2	10/25/2024	0-1'	1,450	6,960	<49.9	8,410	1.03	32.9	31.1	77.3	142	3,610
	"	1.5'	3,370	9,380	<500	12,800	10.4	151	118	235	514	1,440
	"	2'	5,810	14,700	<498	20,500	16.9	246	189	331	783	253
	"	3'	804	4,060	<49.7	4,860	0.306	8.67	11.3	27.9	48.2	225
T-2	11/15/2024	0-1'	1,290	13,100	<250	14,400	0.237	17.0	20.6	42.0	79.8	3,970
	"	1.5'	1,660	7,060	<49.8	8,720	0.344	45.3	69.7	135	250	2,630
	"	2'	4,330	11,300	<249	15,600	5.74	148	128	246	564	6,330
	"	3'	4,910	11,300	<249	16,200	15.0	129	95.7	162	402	4,650
	"	4'	1,560	4,340	<50.0	5,900	2.31	47.1	43.9	77.8	171	5,090
	"	5'	2,110	6,800	<49.8	8,910	3.19	133	129	233	498	4,690
	"	6'	<50.0	<50.0	<50.0	<50.0	0.00762	0.0265	0.0191	0.0421	0.0953	1,800
	"	7'	<49.7	104	<49.7	104	0.00221	0.00721	0.00666	0.00675	0.0228	422
	"	8'	<49.8	<49.8	<49.8	<49.8	<0.00199	0.00656	0.00319	<0.00398	0.00975	246
S-3	10/25/2024	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	116
	"	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	44.4
	"	2'	<49.7	<49.7	<49.7	<49.7	<0.00201	0.00295	0.00350	<0.00402	0.00870	31.2
S-4	10/25/2024	0-1'	<50.0	171	<50.0	171	<0.00200	0.00621	0.00277	<0.00399	0.00898	10,600
	"	1.5'	<49.8	449	<49.8	449	<0.00199	0.0132	0.00390	0.00848	0.0256	12,300
T-3	11/15/2024	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00202	0.00251	<0.00202	<0.00403	<0.00403	2,780
	"	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	4,750
	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	2,870
	"	3'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	4,310
	"	4'	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	5,670
	"	5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	9,530
	"	6'	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	8,400
	"	7'	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	8,630
	"	8'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	9,060
Regulatory Criteria ^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) Sample Point

(H) Horizontal Point

Proposed Excavation

Table 1
COP
Lusk Deep Unit A #19H (10.01.24)
Lea 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-5	10/25/2024	0-1'	<49.7	<49.7	<49.7	<49.7	<0.00202	0.00412	0.00210	0.00933	0.0156	5,380
T-4	11/15/2024	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00138	<0.00138	<0.00138	<0.00277	<0.00277	6,410
	"	1.5'	<49.9	<49.9	<49.9	<49.9	<0.00120	<0.00120	<0.00120	<0.00240	<0.00240	1,330
	"	2'	<49.8	<49.8	<49.8	<49.8	<0.00114	<0.00114	<0.00114	<0.00228	<0.00228	1,870
	"	3'	<49.9	<49.9	<49.9	<49.9	<0.00143	<0.00143	<0.00143	<0.00287	<0.00287	1,830
	"	4'	<49.7	303	<49.7	303	<0.00218	0.00240	<0.00218	<0.00436	<0.00436	1,690
	"	5'	<49.9	4,040	<49.9	4,040	<0.00143	0.00154	<0.00143	<0.00287	<0.00287	1,200
	"	6'	<49.7	63.7	<49.7	63.7	<0.00141	<0.00141	<0.00141	0.00785	0.00785	404
	"	7'	<49.8	<49.8	<49.8	<49.8	<0.00139	<0.00139	<0.00139	<0.00279	<0.00279	256
S-6	10/25/2024	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	13,000
T-5	11/15/2024	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	8,460
	"	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	0.00647	0.00647	1,720
	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,220
	"	3'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,220
	"	4'	<50.0	94.7	<50.0	94.7	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	9,530
	"	5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,280
	"	6'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,860
	"	7'	<49.9	<49.9	<49.9	<49.9	<0.00138	<0.00138	<0.00138	<0.00277	<0.00277	1,870
	"	8'	<49.8	<49.8	<49.8	<49.8	<0.00120	<0.00120	<0.00120	<0.00240	<0.00240	645
	"	9'	<49.9	<49.9	<49.9	<49.9	<0.00114	<0.00114	<0.00114	<0.00228	<0.00228	555
S-7	10/25/2024	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	109
S-8	10/25/2024	0-1'	1,840	7,870	<49.8	9,710	1.29	45.6	34.8	95.6	177	6,080
	"	1.5'	970	4,250	<50.0	5,220	0.791	14.9	18.3	55.8	89.8	2,770
	"	2'	58.6	552	<49.9	611	<0.0994	0.681	1.34	5.78	7.80	2,570
T-6	11/15/2024	0-1'	1,220	5,040	<50.0	6,260	0.268	28.8	44.0	96.3	169	5,050
	"	1.5'	<49.9	162	<49.9	162	<0.0504	<0.0504	0.112	0.776	0.888	7,040
	"	2'	<50.0	<50.0	<50.0	<50.0	0.00176	0.00554	0.00388	0.00620	0.0174	6,470
	"	3'	<50.0	513	<50.0	513	<0.399	0.614	0.998	2.97	4.58	4,760
	"	4'	<50.0	476	<50.0	476	<0.399	0.567	0.631	2.28	3.48	4,470
	"	5'	<50.0	<50.0	<50.0	<50.0	<0.00143	<0.00143	<0.00143	<0.00287	<0.00287	2,530
	"	6'	<49.8	<49.8	<49.8	<49.8	<0.00218	<0.00218	<0.00218	0.00904	0.00904	2,070
	"	7'	<50.0	<50.0	<50.0	<50.0	<0.00143	<0.00143	<0.00143	<0.00287	<0.00287	3,040
	"	8'	<49.8	71.9	<49.8	71.9	<0.00141	0.00248	0.0108	0.0391	0.0524	3,140
	"	9'	<49.9	56.3	<49.9	56.3	<0.00139	<0.00139	0.00164	0.0329	0.0345	3,360
Regulatory Criteria^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) Sample Point

(H) Horizontal Point

Proposed Excavation

Table 1
COP
Lusk Deep Unit A #19H (10.01.24)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	10/25/2024	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	82.9
H-2	10/25/2024	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00198	0.00654	<0.00198	<0.00396	0.00654	91.7
H-3	10/25/2024	0-0.5'	<49.9	<49.9	<49.9	<49.9	0.00514	0.0248	0.00428	<0.00402	0.0342	99.6
H-4	10/25/2024	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	0.00813	<0.00200	<0.00399	0.00813	103
H-5	10/25/2024	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	0.00320	<0.00199	<0.00398	<0.00398	98.5
H-6	10/25/2024	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00202	0.0143	0.00322	<0.00404	0.0175	110
H-7	10/25/2024	0-0.5'	<49.8	<49.8	<49.8	<49.8	<0.00199	0.0130	0.00387	<0.00398	0.0169	124
H-8	10/25/2024	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	0.00877	<0.00200	<0.00399	0.00877	100
H-9	10/25/2024	0-0.5'	<49.9	<49.9	<49.9	<49.9	0.00381	0.00907	0.00210	<0.00401	0.0150	97.5
Regulatory Criteria^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) Sample Point

(H) Horizontal Point

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

COG Operating, LLC

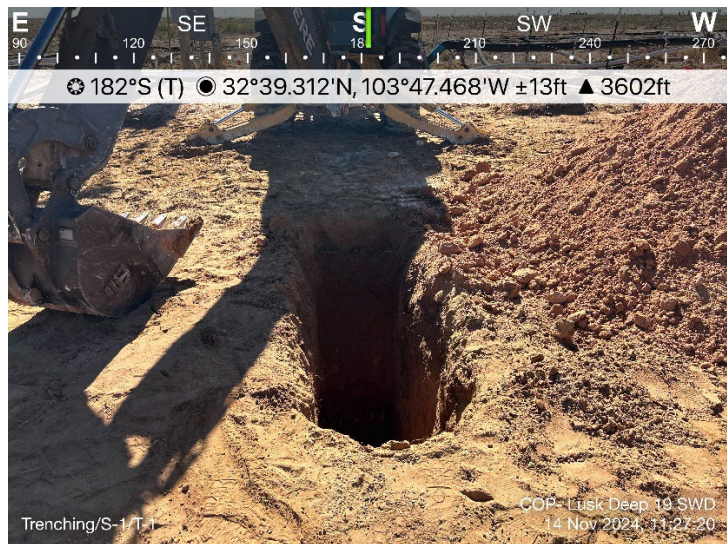
Photograph No. 1

Facility: Lusk Deep Unit A #19H (10.01.24)

County: Lea County, New Mexico

Description:

View South, area of S-1/T-1



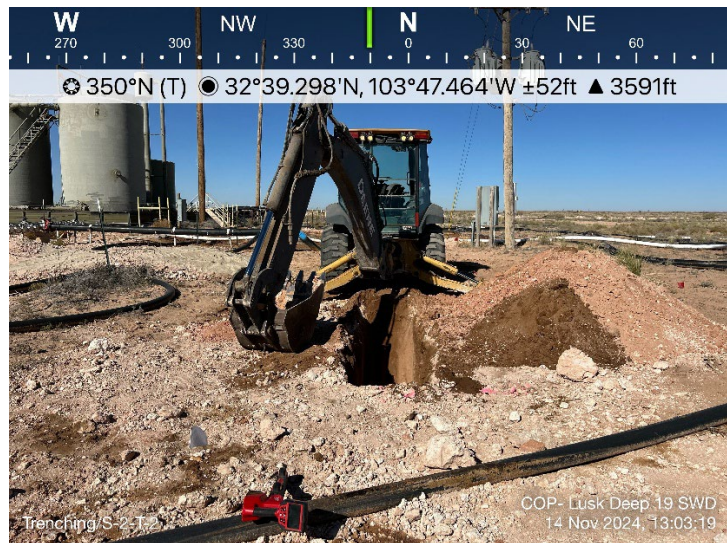
Photograph No. 2

Facility: Lusk Deep Unit A #19H (10.01.24)

County: Lea County, New Mexico

Description:

View North, area of S-2/T-2



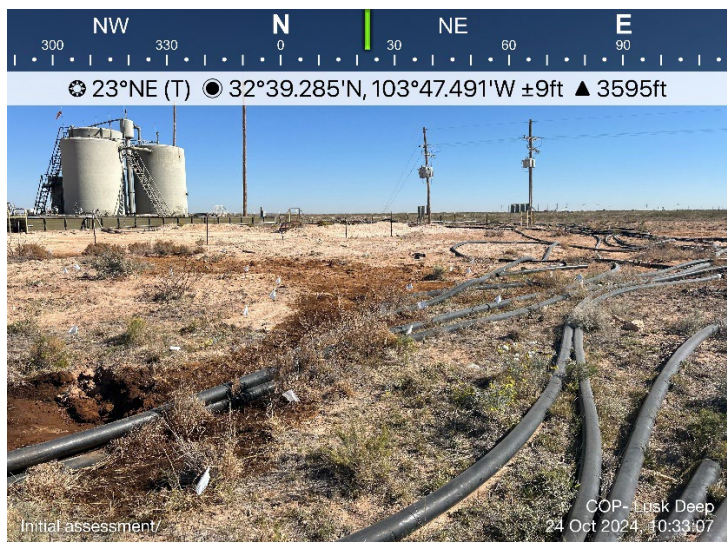
Photograph No. 3

Facility: Lusk Deep Unit A #19H (10.01.24)

County: Lea County, New Mexico

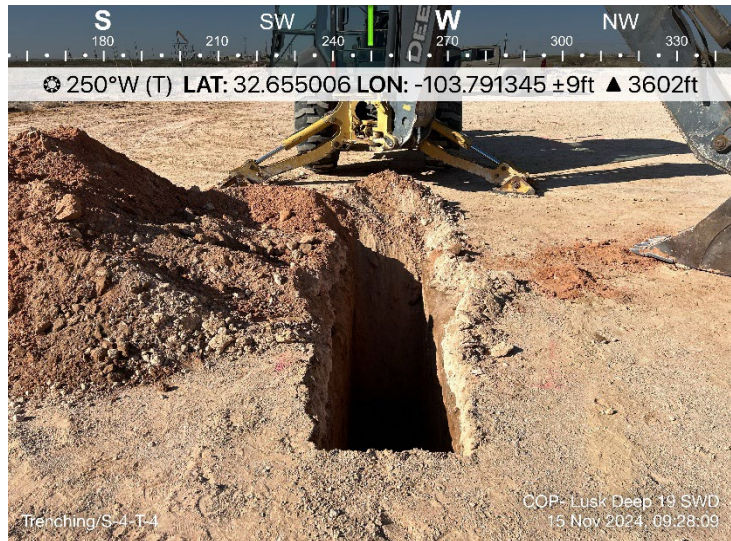
Description:

View North, area of S-3

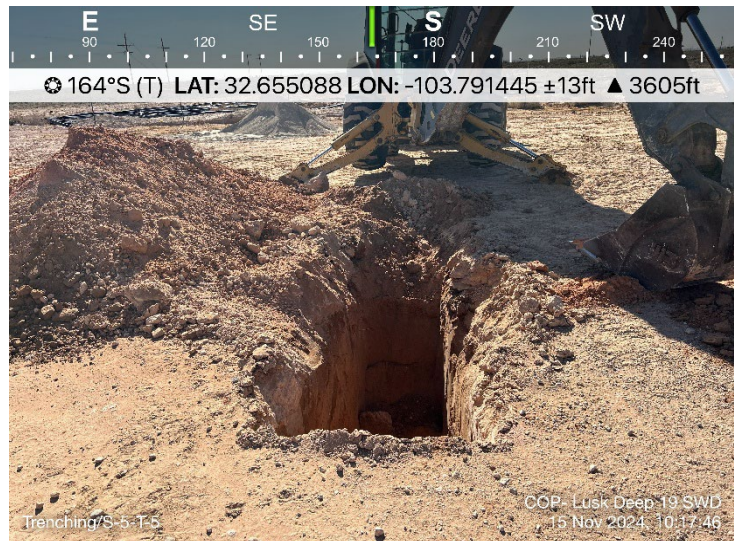


PHOTOGRAPHIC LOG**COG Operating, LLC****Photograph No. 4****Facility:** Lusk Deep Unit A #19H (10.01.24)**County:** Lea County, New Mexico**Description:**

View West, area of S-4/T-3

**Photograph No. 5****Facility:** Lusk Deep Unit A #19H (10.01.24)**County:** Lea County, New Mexico**Description:**

View South, area of S-5/T-4

**Photograph No. 6****Facility:** Lusk Deep Unit A #19H (10.01.24)**County:** Lea County, New Mexico**Description:**

View East, area of S-6/T-5



PHOTOGRAPHIC LOG

COG Operating, LLC

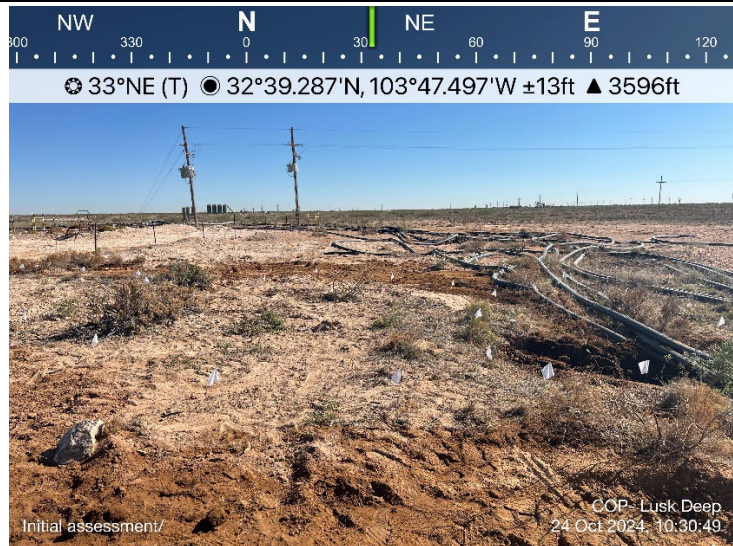
Photograph No. 7

Facility: Lusk Deep Unit A #19H (10.01.24)

County: Lea County, New Mexico

Description:

View Northeast, area of S-7



Photograph No. 8

Facility: Lusk Deep Unit A #19H (10.01.24)

County: Lea County, New Mexico

Description:

View West, area of S-8/T-6



APPENDIX C

CARMONA RESOURCES



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

QUESTIONS

Action 389132

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 389132
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source <i>Please answer all the questions in this group.</i>	
Site Name	Lusk Deep Unit A #19H
Date Release Discovered	10/01/2024
Surface Owner	Federal

Incident Details <i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release <i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Other Other (Specify) Produced Water Released: 0 BBL (Unknown Released Amount) Recovered: 0 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

QUESTIONS, Page 2

Action 389132

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 389132
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

ACKNOWLEDGMENTS

Action 389132

ACKNOWLEDGMENTS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 389132
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

☒	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
☒	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
☒	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
☒	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.
☒	I acknowledge the fact that 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.
☒	I acknowledge the fact that, 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.

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 389132

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 389132
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
jacquih	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	10/2/2024

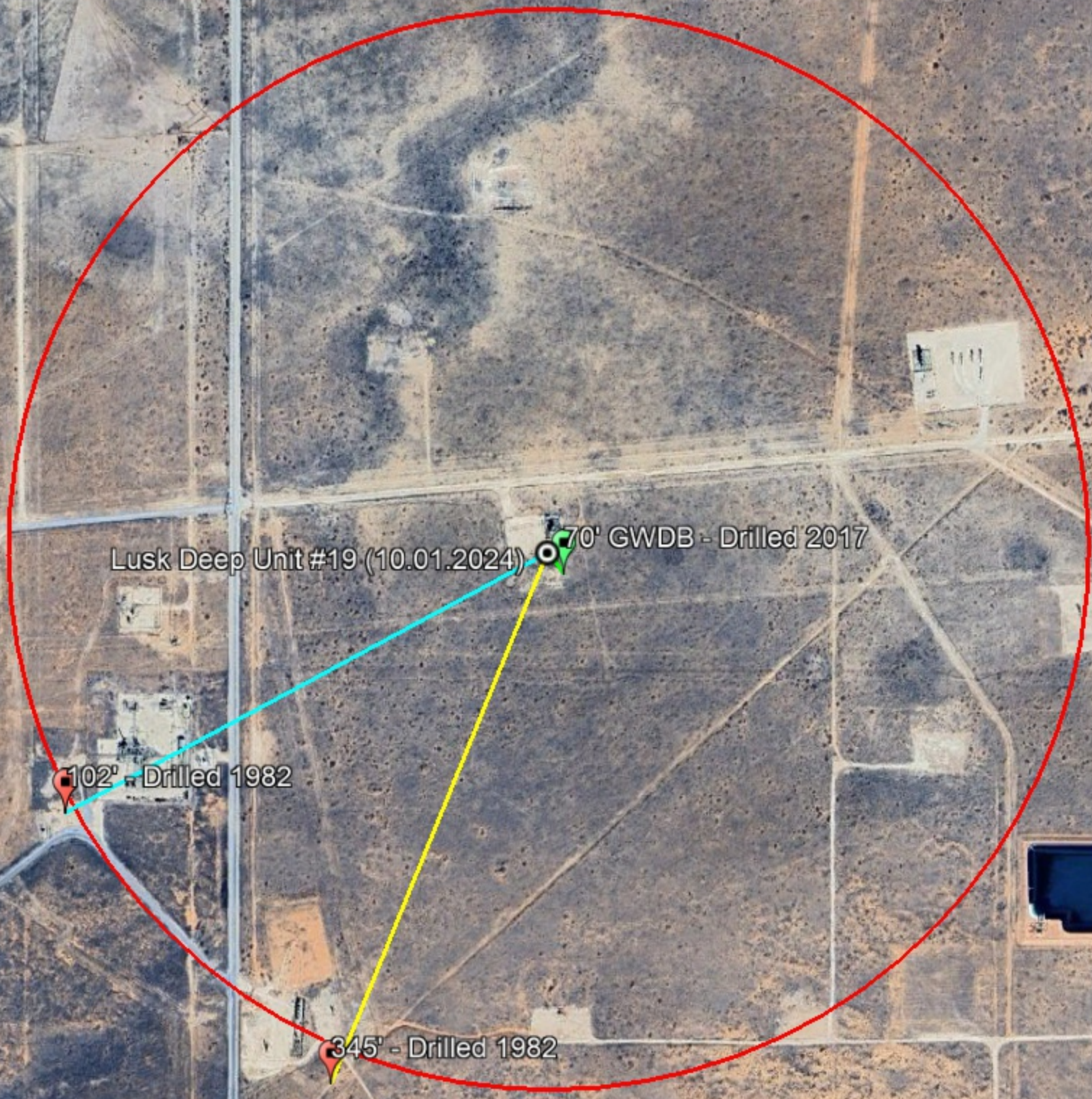
APPENDIX D

CARMONA RESOURCES



Legend

- 0.03 Miles
- 0.50 Mile Radius
- 0.51 Miles
- 0.54 Miles
- Groundwater Determination Bore
- Lusk Deep Unit #19 (10.01.2024)
- NMSEO Water Well



Legend

-  Low
-  Lusk Deep Unit #19 (10.01.2024)

Lusk Deep Unit #19 (10.01.2024) 





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 01656 POD2	CP	LE		3	4	3	17	19S	32E	613364	3613648	35	70		
CP 01656 POD1	CP	LE		3	4	3	17	19S	32E	613368	3613646	39	70		
CP 01656 POD3	CP	LE		3	4	3	17	19S	32E	613374	3613633	53	30		
CP 00640 POD1	CP	LE			2	2	19	19S	32E	612621	3613280*	827	260	102	158
CP 00639 POD1	CP	LE			3	1	20	19S	32E	613029	3612880*	859	350	345	5
CP 00563 POD1	CP	LE		1	1	2	19	19S	32E	612118	3613376*	1264	300		
CP 00642 POD1	CP	ED			2	2	25	19S	31E	611025	3611657*	3078	250		
L 15415	L	LE		3	3	3	05	19S	32E	612912	3616830	3181	55		

Average Depth to Water: **223 feet**

Minimum Depth: **102 feet**

Maximum Depth: **345 feet**

Record Count: 8

UTMNA83 Radius Search (in meters):

Easting (X): 613346

Northing (Y): 3613679

Radius: 4000

*UTM location was derived from PLSS - see Help

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

2/23/24 7:03 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NUMBER (WELL NUMBER) (POD 2) LUSK DEEP UNIT A #19 SB-2				OSE FILE NUMBER(S) CP-1656				
	WELL OWNER NAME(S) TETRA TECH				PHONE (OPTIONAL)				
	WELL OWNER MAILING ADDRESS 4000 N.BIG SPRING ST, STE 401				CITY Midland		STATE Tx	ZIP 79705	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 39	SECONDS 16.7	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
	LONGITUDE 103	47	28.1	W	* DATUM REQUIRED: WGS 84				
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NE 1/4 OF SW 1/4 OF SE 1/4 OF SW 1/4 OF SECTION 17, TOWNSHIP 19S, RANGE 32E									
2. DRILLING & CASING INFORMATION	LICENSE NUMBER WD1711		NAME OF LICENSED DRILLER EDWARD BRYAN			NAME OF WELL DRILLING COMPANY STRAUB CORPORATION			
	DRILLING STARTED 3-28-17	DRILLING ENDED 3-28-17	DEPTH OF COMPLETED WELL (FT) 70'		BORE HOLE DEPTH (FT) 70'	DEPTH WATER FIRST ENCOUNTERED (FT) N/A			
	COMPLETED WELL IS: ☐ ARTESIAN ☒ DRY HOLE ☐ SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A			
	DRILLING FLUID: ☒ AIR ☐ MUD ADDITIVES - SPECIFY:								
	DRILLING METHOD: ☒ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER - SPECIFY:								
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)		CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	0	70'	6"	N/A		N/A	N/A	N/A	N/A
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL		AMOUNT (cubic feet)		METHOD OF PLACEMENT	
	0	2'	6"	.5 CEMENT				TOPLOAD	
	2	70'	6"	21 BAGS OF 3/8 HOLEPLUG				TOPLOAD	

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER	CP-1656	POD NUMBER	2	TRN NUMBER	606732
LOCATION	19S.32E.17.343				

PAGE 1 OF 2

FOR OSE INTERNAL USE

Released to Imaging: 5/6/2025 3:07:36 PM



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(NAD83 UTM in meters)	
		(quarters are smallest to largest)				X	Y
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng
	CP 00640 POD1	2	2	19	19S	32E	612621 3613280* 
Driller License: 882		Driller Company: LARRY'S DRILLING & PUMP CO.					
Driller Name: FELKINS, LARRY							
Drill Start Date: 02/08/1982		Drill Finish Date: 02/09/1982		Plug Date:			
Log File Date: 03/04/1982		PCW Rcv Date:		Source: Shallow			
Pump Type:		Pipe Discharge Size:		Estimated Yield:			
Casing Size:		Depth Well: 260 feet		Depth Water: 102 feet			

*UTM location was derived from PLSS - see Help

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



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(NAD83 UTM in meters)	
		(quarters are smallest to largest)				X	Y
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng
CP 00639	POD1	3	1	20	19S	32E	613029 3612880* 
Driller License: 882		Driller Company: LARRY'S DRILLING & PUMP CO.					
Driller Name: FELKINS, LARRY							
Drill Start Date: 02/09/1982		Drill Finish Date: 02/10/1982		Plug Date:			
Log File Date: 03/23/1982		PCW Rcv Date:		Source: Shallow			
Pump Type:		Pipe Discharge Size:		Estimated Yield:			
Casing Size:		Depth Well: 350 feet		Depth Water: 345 feet			

*UTM location was derived from PLSS - see Help

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

11/14/23 2:13 PM

POINT OF DIVERSION SUMMARY

FEMA National Flood Hazard Layer (NFHL)



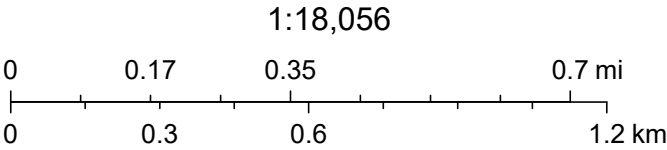
Maxar | Esri Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

Lusk Deep Unit #19 (02.20.2024)



2/23/2024, 7:57:36 AM

 OSW Water Bodies



Bureau of Land Management, Texas Parks & Wildlife,
Esri, HERE, Garmin, INCREMENT P, USGS, METI/
NASA, EPA, USDA, NM OSE

APPENDIX E

CARMONA RESOURCES





Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/1/2024 11:03:49 AM

JOB DESCRIPTION

Lusk Deep 19 SWD
Lea County, New Mexico

JOB NUMBER

880-50390-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
11/1/2024 11:03:49 AM

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

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Laboratory Job ID: 880-50390-1
SDG: Lea County, New Mexico

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	7
Surrogate Summary	23
QC Sample Results	25
QC Association Summary	39
Lab Chronicle	46
Certification Summary	53
Method Summary	54
Sample Summary	55
Chain of Custody	56
Receipt Checklists	59

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
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
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: Lusk Deep 19 SWD

Job ID: 880-50390-1

Job ID: 880-50390-1

Eurofins Midland

Job Narrative
880-50390-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt

The samples were received on 10/29/2024 3:05 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 -1.7°C.

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-94351 and analytical batch 880-94303 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-1 (4') (880-50390-5), S-2 (0-1') (880-50390-7), S-2 (1.5') (880-50390-8) and S-2 (3') (880-50390-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-8 (2') (880-50390-21). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-1 (0-1') (880-50390-1), S-1 (1.5') (880-50390-2), S-1 (2') (880-50390-3), S-1 (3') (880-50390-4), S-2 (1.5') (880-50390-8) and S-2 (2') (880-50390-9). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The following sample was diluted due to the nature of the sample matrix: S-8 (2') (880-50390-21). Elevated reporting limits (RLs) are provided.

Method 8021B: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with preparation batch 880-94351 and analytical batch 880-94303 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Toluene, Ethylbenzene and m-Xylene & p-Xylene in the MS/MSD was above the instrument calibration range. The data have been reported and qualified.

Method 8021B: The following samples were diluted due to the nature of the sample matrix: S-1 (4') (880-50390-5) and S-1 (5') (880-50390-6). Elevated reporting limits (RLs) are provided.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-8 (0-1') (880-50390-19). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-8 (0-1') (880-50390-19) and S-8 (1.5') (880-50390-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-94418 and analytical batch 880-94379 was outside the upper control limits.

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

Diesel Range Organics

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-94304 and analytical batch 880-94326 was outside the upper control limits.

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project: Lusk Deep 19 SWD

Job ID: 880-50390-1

Job ID: 880-50390-1 (Continued)

Eurofins Midland

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-8 (0-1') (880-50390-19) and S-8 (1.5') (880-50390-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-4 (1.5') (880-50390-15). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-1 (1.5') (880-50390-2), S-1 (2') (880-50390-3), S-2 (0-1') (880-50390-7) and S-2 (3') (880-50390-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: S-1 (4') (880-50390-5), (LCS 880-94353/2-A) and (LCSD 880-94353/3-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-94353 and analytical batch 880-94395 was outside the upper control limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-94419 and analytical batch 880-94536 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-1 (0-1') (880-50390-1), S-1 (3') (880-50390-4), S-2 (1.5') (880-50390-8) and S-2 (2') (880-50390-9). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-94372 and analytical batch 880-94389 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: (880-50413-A-3-B), (880-50413-A-3-C MS) and (880-50413-A-3-D MSD).

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-94356 and analytical batch 880-94390 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: S-1 (4') (880-50390-5), S-1 (5') (880-50390-6), S-2 (0-1') (880-50390-7), S-2 (1.5') (880-50390-8), S-2 (2') (880-50390-9), S-2 (3') (880-50390-10), S-3 (0-1') (880-50390-11), S-3 (1.5') (880-50390-12), S-3 (2') (880-50390-13), S-4 (0-1') (880-50390-14), (880-50390-A-5-D MS) and (880-50390-A-5-E MSD).

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-50390-1

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.29		0.201		mg/Kg		10/29/24 15:36	10/29/24 18:51	100
Toluene	71.7		1.99		mg/Kg		10/30/24 09:04	10/30/24 13:17	1000
Ethylbenzene	54.6		1.99		mg/Kg		10/30/24 09:04	10/30/24 13:17	1000
m-Xylene & p-Xylene	73.1		0.402		mg/Kg		10/29/24 15:36	10/29/24 18:51	100
o-Xylene	20.9		0.201		mg/Kg		10/29/24 15:36	10/29/24 18:51	100
Xylenes, Total	94.0		0.402		mg/Kg		10/29/24 15:36	10/29/24 18:51	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130	10/29/24 15:36	10/29/24 18:51	100
1,4-Difluorobenzene (Surr)	78		70 - 130	10/29/24 15:36	10/29/24 18:51	100

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	223		1.99		mg/Kg			10/30/24 13:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	10500		497		mg/Kg			10/31/24 17:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	2150		497		mg/Kg		10/30/24 13:33	10/31/24 17:03	10
Diesel Range Organics (Over C10-C28)	8310		497		mg/Kg		10/30/24 13:33	10/31/24 17:03	10
Oil Range Organics (Over C28-C36)	<497	U	497		mg/Kg		10/30/24 13:33	10/31/24 17:03	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	245	S1+	70 - 130	10/30/24 13:33	10/31/24 17:03	10
o-Terphenyl	257	S1+	70 - 130	10/30/24 13:33	10/31/24 17:03	10

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4750		99.2		mg/Kg			10/30/24 14:40	10

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-50390-2

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	4.15		0.198		mg/Kg		10/29/24 15:36	10/29/24 19:11	100
Toluene	74.8		2.02		mg/Kg		10/30/24 09:04	10/30/24 13:37	1000
Ethylbenzene	70.3		2.02		mg/Kg		10/30/24 09:04	10/30/24 13:37	1000
m-Xylene & p-Xylene	87.6		4.04		mg/Kg		10/30/24 09:04	10/30/24 13:37	1000
o-Xylene	25.5	*+	0.198		mg/Kg		10/29/24 15:36	10/29/24 19:11	100
Xylenes, Total	143		4.04		mg/Kg		10/30/24 09:04	10/30/24 13:37	1000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	10/29/24 15:36	10/29/24 19:11	100
1,4-Difluorobenzene (Surr)	88		70 - 130	10/29/24 15:36	10/29/24 19:11	100

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-50390-2

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	262		4.04		mg/Kg			10/30/24 13:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	9850		49.7		mg/Kg			10/30/24 13:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	2050		49.7		mg/Kg		10/29/24 15:44	10/30/24 13:42	1
Diesel Range Organics (Over C10-C28)	7800		49.7		mg/Kg		10/29/24 15:44	10/30/24 13:42	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/29/24 15:44	10/30/24 13:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	222	S1+	70 - 130				10/29/24 15:44	10/30/24 13:42	1
o-Terphenyl	241	S1+	70 - 130				10/29/24 15:44	10/30/24 13:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4340		100		mg/Kg			10/30/24 14:46	10

Client Sample ID: S-1 (2')

Lab Sample ID: 880-50390-3

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	5.43		1.99		mg/Kg		10/30/24 09:04	10/30/24 13:58	1000
Toluene	75.1		1.99		mg/Kg		10/30/24 09:04	10/30/24 13:58	1000
Ethylbenzene	68.6		1.99		mg/Kg		10/30/24 09:04	10/30/24 13:58	1000
m-Xylene & p-Xylene	83.6		3.98		mg/Kg		10/30/24 09:04	10/30/24 13:58	1000
o-Xylene	50.7		1.99		mg/Kg		10/30/24 09:04	10/30/24 13:58	1000
Xylenes, Total	134		3.98		mg/Kg		10/30/24 09:04	10/30/24 13:58	1000
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130				10/30/24 09:04	10/30/24 13:58	1000
1,4-Difluorobenzene (Surr)	102		70 - 130				10/30/24 09:04	10/30/24 13:58	1000

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	283		3.98		mg/Kg			10/30/24 13:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	9790		50.0		mg/Kg			10/30/24 13:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1900		50.0		mg/Kg		10/29/24 15:44	10/30/24 13:58	1
Diesel Range Organics (Over C10-C28)	7890		50.0		mg/Kg		10/29/24 15:44	10/30/24 13:58	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (2')

Lab Sample ID: 880-50390-3

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/29/24 15:44	10/30/24 13:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	170	S1+	70 - 130				10/29/24 15:44	10/30/24 13:58	1
o-Terphenyl	250	S1+	70 - 130				10/29/24 15:44	10/30/24 13:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3450		50.2		mg/Kg			10/30/24 14:53	5

Client Sample ID: S-1 (3')

Lab Sample ID: 880-50390-4

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	8.12		2.00		mg/Kg		10/30/24 09:04	10/30/24 14:18	1000
Toluene	108		2.00		mg/Kg		10/30/24 09:04	10/30/24 14:18	1000
Ethylbenzene	93.2		2.00		mg/Kg		10/30/24 09:04	10/30/24 14:18	1000
m-Xylene & p-Xylene	111		3.99		mg/Kg		10/30/24 09:04	10/30/24 14:18	1000
o-Xylene	63.0		2.00		mg/Kg		10/30/24 09:04	10/30/24 14:18	1000
Xylenes, Total	174		3.99		mg/Kg		10/30/24 09:04	10/30/24 14:18	1000
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	157	S1+	70 - 130				10/30/24 09:04	10/30/24 14:18	1000
1,4-Difluorobenzene (Surr)	100		70 - 130				10/30/24 09:04	10/30/24 14:18	1000

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	383		3.99		mg/Kg			10/30/24 14:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	13500		497		mg/Kg			10/31/24 17:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	3230		497		mg/Kg		10/30/24 13:33	10/31/24 17:19	10
Diesel Range Organics (Over C10-C28)	10300		497		mg/Kg		10/30/24 13:33	10/31/24 17:19	10
Oil Range Organics (Over C28-C36)	<497	U	497		mg/Kg		10/30/24 13:33	10/31/24 17:19	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	227	S1+	70 - 130				10/30/24 13:33	10/31/24 17:19	10
o-Terphenyl	308	S1+	70 - 130				10/30/24 13:33	10/31/24 17:19	10

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3350		50.1		mg/Kg			10/30/24 15:00	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (4')

Lab Sample ID: 880-50390-5

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.199	U	0.199		mg/Kg		10/29/24 15:36	10/29/24 20:13	100
Toluene	1.03		0.199		mg/Kg		10/29/24 15:36	10/29/24 20:13	100
Ethylbenzene	1.23		0.199		mg/Kg		10/29/24 15:36	10/29/24 20:13	100
m-Xylene & p-Xylene	2.48		0.398		mg/Kg		10/29/24 15:36	10/29/24 20:13	100
o-Xylene	0.765	+	0.199		mg/Kg		10/29/24 15:36	10/29/24 20:13	100
Xylenes, Total	3.25		0.398		mg/Kg		10/29/24 15:36	10/29/24 20:13	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130	10/29/24 15:36	10/29/24 20:13	100
1,4-Difluorobenzene (Surr)	78		70 - 130	10/29/24 15:36	10/29/24 20:13	100

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	5.51		0.398		mg/Kg			10/29/24 20:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	987		49.8		mg/Kg			10/30/24 14:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	66.3		49.8		mg/Kg		10/29/24 15:44	10/30/24 14:31	1
Diesel Range Organics (Over C10-C28)	921		49.8		mg/Kg		10/29/24 15:44	10/30/24 14:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/29/24 15:44	10/30/24 14:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130	10/29/24 15:44	10/30/24 14:31	1
o-Terphenyl	148	S1+	70 - 130	10/29/24 15:44	10/30/24 14:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	905	F1	49.5		mg/Kg			10/30/24 15:07	5

Client Sample ID: S-1 (5')

Lab Sample ID: 880-50390-6

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.202	U	0.202		mg/Kg		10/29/24 15:36	10/29/24 20:33	100
Toluene	0.521		0.202		mg/Kg		10/29/24 15:36	10/29/24 20:33	100
Ethylbenzene	0.611		0.202		mg/Kg		10/29/24 15:36	10/29/24 20:33	100
m-Xylene & p-Xylene	0.941		0.404		mg/Kg		10/29/24 15:36	10/29/24 20:33	100
o-Xylene	0.419	+	0.202		mg/Kg		10/29/24 15:36	10/29/24 20:33	100
Xylenes, Total	1.36		0.404		mg/Kg		10/29/24 15:36	10/29/24 20:33	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	10/29/24 15:36	10/29/24 20:33	100
1,4-Difluorobenzene (Surr)	86		70 - 130	10/29/24 15:36	10/29/24 20:33	100

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (5')

Lab Sample ID: 880-50390-6

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	2.49		0.404		mg/Kg			10/29/24 20:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	522		50.0		mg/Kg			10/30/24 15:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/29/24 15:44	10/30/24 15:03	1
Diesel Range Organics (Over C10-C28)	522		50.0		mg/Kg		10/29/24 15:44	10/30/24 15:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/29/24 15:44	10/30/24 15:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				10/29/24 15:44	10/30/24 15:03	1
o-Terphenyl	122		70 - 130				10/29/24 15:44	10/30/24 15:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	796		9.98		mg/Kg			10/30/24 15:28	1

Client Sample ID: S-2 (0-1')

Lab Sample ID: 880-50390-7

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.03		0.199		mg/Kg		10/29/24 15:36	10/29/24 20:54	100
Toluene	32.9		0.199		mg/Kg		10/29/24 15:36	10/29/24 20:54	100
Ethylbenzene	31.1		0.199		mg/Kg		10/29/24 15:36	10/29/24 20:54	100
m-Xylene & p-Xylene	64.4		0.398		mg/Kg		10/29/24 15:36	10/29/24 20:54	100
o-Xylene	12.9	+	0.199		mg/Kg		10/29/24 15:36	10/29/24 20:54	100
Xylenes, Total	77.3		0.398		mg/Kg		10/29/24 15:36	10/29/24 20:54	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	52	S1-	70 - 130				10/29/24 15:36	10/29/24 20:54	100
1,4-Difluorobenzene (Surr)	71		70 - 130				10/29/24 15:36	10/29/24 20:54	100

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	142		0.398		mg/Kg			10/29/24 20:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	8410		49.9		mg/Kg			10/30/24 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1450		49.9		mg/Kg		10/29/24 15:44	10/30/24 15:20	1
Diesel Range Organics (Over C10-C28)	6960		49.9		mg/Kg		10/29/24 15:44	10/30/24 15:20	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (0-1')

Lab Sample ID: 880-50390-7

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/29/24 15:44	10/30/24 15:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	156	S1+	70 - 130				10/29/24 15:44	10/30/24 15:20	1
o-Terphenyl	214	S1+	70 - 130				10/29/24 15:44	10/30/24 15:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3610		50.2		mg/Kg			10/30/24 15:34	5

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-50390-8

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	10.4		2.00		mg/Kg		10/30/24 09:04	10/30/24 14:39	1000
Toluene	151		2.00		mg/Kg		10/30/24 09:04	10/30/24 14:39	1000
Ethylbenzene	118		2.00		mg/Kg		10/30/24 09:04	10/30/24 14:39	1000
m-Xylene & p-Xylene	137		4.01		mg/Kg		10/30/24 09:04	10/30/24 14:39	1000
o-Xylene	98.0		2.00		mg/Kg		10/30/24 09:04	10/30/24 14:39	1000
Xylenes, Total	235		4.01		mg/Kg		10/30/24 09:04	10/30/24 14:39	1000
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	148	S1+	70 - 130				10/30/24 09:04	10/30/24 14:39	1000
1,4-Difluorobenzene (Surr)	102		70 - 130				10/30/24 09:04	10/30/24 14:39	1000

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	514		4.01		mg/Kg			10/30/24 14:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	12800		500		mg/Kg			10/31/24 17:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	3370		500		mg/Kg		10/30/24 13:33	10/31/24 17:35	10
Diesel Range Organics (Over C10-C28)	9380		500		mg/Kg		10/30/24 13:33	10/31/24 17:35	10
Oil Range Organics (Over C28-C36)	<500	U	500		mg/Kg		10/30/24 13:33	10/31/24 17:35	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	272	S1+	70 - 130				10/30/24 13:33	10/31/24 17:35	10
o-Terphenyl	284	S1+	70 - 130				10/30/24 13:33	10/31/24 17:35	10

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1440		50.1		mg/Kg			10/30/24 15:55	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (2')

Lab Sample ID: 880-50390-9

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	16.9		2.02		mg/Kg		10/30/24 09:04	10/30/24 14:59	1000
Toluene	246		2.02		mg/Kg		10/30/24 09:04	10/30/24 14:59	1000
Ethylbenzene	189		2.02		mg/Kg		10/30/24 09:04	10/30/24 14:59	1000
m-Xylene & p-Xylene	223		4.04		mg/Kg		10/30/24 09:04	10/30/24 14:59	1000
o-Xylene	108		2.02		mg/Kg		10/30/24 09:04	10/30/24 14:59	1000
Xylenes, Total	331		4.04		mg/Kg		10/30/24 09:04	10/30/24 14:59	1000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	177	S1+	70 - 130	10/30/24 09:04	10/30/24 14:59	1000
1,4-Difluorobenzene (Surr)	103		70 - 130	10/30/24 09:04	10/30/24 14:59	1000

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	783		4.04		mg/Kg			10/30/24 14:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	20500		498		mg/Kg			10/31/24 17:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	5810		498		mg/Kg		10/30/24 13:33	10/31/24 17:51	10
Diesel Range Organics (Over C10-C28)	14700		498		mg/Kg		10/30/24 13:33	10/31/24 17:51	10
Oil Range Organics (Over C28-C36)	<498	U	498		mg/Kg		10/30/24 13:33	10/31/24 17:51	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	320	S1+	70 - 130	10/30/24 13:33	10/31/24 17:51	10
o-Terphenyl	440	S1+	70 - 130	10/30/24 13:33	10/31/24 17:51	10

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	253		10.0		mg/Kg			10/30/24 16:02	1

Client Sample ID: S-2 (3')

Lab Sample ID: 880-50390-10

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.306		0.202		mg/Kg		10/29/24 15:36	10/29/24 21:55	100
Toluene	8.67		0.202		mg/Kg		10/29/24 15:36	10/29/24 21:55	100
Ethylbenzene	11.3		0.202		mg/Kg		10/29/24 15:36	10/29/24 21:55	100
m-Xylene & p-Xylene	19.6		0.404		mg/Kg		10/29/24 15:36	10/29/24 21:55	100
o-Xylene	8.28	+	0.202		mg/Kg		10/29/24 15:36	10/29/24 21:55	100
Xylenes, Total	27.9		0.404		mg/Kg		10/29/24 15:36	10/29/24 21:55	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130	10/29/24 15:36	10/29/24 21:55	100
1,4-Difluorobenzene (Surr)	56	S1-	70 - 130	10/29/24 15:36	10/29/24 21:55	100

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (3')

Lab Sample ID: 880-50390-10

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	48.2		0.404		mg/Kg			10/29/24 21:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	4860		49.7		mg/Kg			10/30/24 16:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	804		49.7		mg/Kg		10/29/24 15:44	10/30/24 16:09	1
Diesel Range Organics (Over C10-C28)	4060		49.7		mg/Kg		10/29/24 15:44	10/30/24 16:09	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/29/24 15:44	10/30/24 16:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				10/29/24 15:44	10/30/24 16:09	1
o-Terphenyl	145	S1+	70 - 130				10/29/24 15:44	10/30/24 16:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	225		10.1		mg/Kg			10/30/24 16:08	1

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

Lab Sample ID: 880-50390-11

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/30/24 08:58	10/30/24 11:51	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/30/24 08:58	10/30/24 11:51	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/30/24 08:58	10/30/24 11:51	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/30/24 08:58	10/30/24 11:51	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/30/24 08:58	10/30/24 11:51	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/30/24 08:58	10/30/24 11:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				10/30/24 08:58	10/30/24 11:51	1
1,4-Difluorobenzene (Surr)	91		70 - 130				10/30/24 08:58	10/30/24 11:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/30/24 11:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/30/24 16:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/29/24 15:44	10/30/24 16:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/29/24 15:44	10/30/24 16:25	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-50390-11

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/29/24 15:44	10/30/24 16:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				10/29/24 15:44	10/30/24 16:25	1
o-Terphenyl	104		70 - 130				10/29/24 15:44	10/30/24 16:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	116		10.1		mg/Kg			10/30/24 16:15	1

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-50390-12

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/30/24 08:58	10/30/24 12:11	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/30/24 08:58	10/30/24 12:11	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/30/24 08:58	10/30/24 12:11	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/30/24 08:58	10/30/24 12:11	1
o-Xylene	0.00235		0.00198		mg/Kg		10/30/24 08:58	10/30/24 12:11	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/30/24 08:58	10/30/24 12:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				10/30/24 08:58	10/30/24 12:11	1
1,4-Difluorobenzene (Surr)	92		70 - 130				10/30/24 08:58	10/30/24 12:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/30/24 12:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/30/24 16:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/29/24 15:44	10/30/24 16:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/29/24 15:44	10/30/24 16:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/29/24 15:44	10/30/24 16:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				10/29/24 15:44	10/30/24 16:42	1
o-Terphenyl	74		70 - 130				10/29/24 15:44	10/30/24 16:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.4		10.1		mg/Kg			10/30/24 16:22	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (2')

Lab Sample ID: 880-50390-13

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/30/24 08:58	10/30/24 12:32	1
Toluene	0.00295		0.00201		mg/Kg		10/30/24 08:58	10/30/24 12:32	1
Ethylbenzene	0.00350		0.00201		mg/Kg		10/30/24 08:58	10/30/24 12:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/30/24 08:58	10/30/24 12:32	1
o-Xylene	0.00225		0.00201		mg/Kg		10/30/24 08:58	10/30/24 12:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/30/24 08:58	10/30/24 12:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	10/30/24 08:58	10/30/24 12:32	1
1,4-Difluorobenzene (Surr)	92		70 - 130	10/30/24 08:58	10/30/24 12:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00870		0.00402		mg/Kg			10/30/24 12:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/30/24 16:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/29/24 15:44	10/30/24 16:58	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/29/24 15:44	10/30/24 16:58	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/29/24 15:44	10/30/24 16:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	10/29/24 15:44	10/30/24 16:58	1
o-Terphenyl	109		70 - 130	10/29/24 15:44	10/30/24 16:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31.2		10.0		mg/Kg			10/30/24 16:29	1

Client Sample ID: S-4 (0-1')

Lab Sample ID: 880-50390-14

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/30/24 08:58	10/30/24 12:52	1
Toluene	0.00621		0.00200		mg/Kg		10/30/24 08:58	10/30/24 12:52	1
Ethylbenzene	0.00277		0.00200		mg/Kg		10/30/24 08:58	10/30/24 12:52	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/30/24 08:58	10/30/24 12:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/30/24 08:58	10/30/24 12:52	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/30/24 08:58	10/30/24 12:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	10/30/24 08:58	10/30/24 12:52	1
1,4-Difluorobenzene (Surr)	84		70 - 130	10/30/24 08:58	10/30/24 12:52	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

Client Sample ID: S-4 (0-1')

Lab Sample ID: 880-50390-14

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00898		0.00399		mg/Kg			10/30/24 12:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	171		50.0		mg/Kg			10/30/24 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/29/24 15:44	10/30/24 17:14	1
Diesel Range Organics (Over C10-C28)	171		50.0		mg/Kg		10/29/24 15:44	10/30/24 17:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/29/24 15:44	10/30/24 17:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				10/29/24 15:44	10/30/24 17:14	1
o-Terphenyl	118		70 - 130				10/29/24 15:44	10/30/24 17:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10600		199		mg/Kg			10/30/24 16:36	20

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-50390-15

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/30/24 08:58	10/30/24 13:13	1
Toluene	0.0132		0.00199		mg/Kg		10/30/24 08:58	10/30/24 13:13	1
Ethylbenzene	0.00390		0.00199		mg/Kg		10/30/24 08:58	10/30/24 13:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/30/24 08:58	10/30/24 13:13	1
o-Xylene	0.00848		0.00199		mg/Kg		10/30/24 08:58	10/30/24 13:13	1
Xylenes, Total	0.00848		0.00398		mg/Kg		10/30/24 08:58	10/30/24 13:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				10/30/24 08:58	10/30/24 13:13	1
1,4-Difluorobenzene (Surr)	94		70 - 130				10/30/24 08:58	10/30/24 13:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0256		0.00398		mg/Kg			10/30/24 13:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	449		49.8		mg/Kg			10/30/24 17:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/29/24 15:44	10/30/24 17:31	1
Diesel Range Organics (Over C10-C28)	449		49.8		mg/Kg		10/29/24 15:44	10/30/24 17:31	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-50390-15

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/29/24 15:44	10/30/24 17:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				10/29/24 15:44	10/30/24 17:31	1
o-Terphenyl	131	S1+	70 - 130				10/29/24 15:44	10/30/24 17:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12300		202		mg/Kg			10/30/24 11:54	20

Client Sample ID: S-5 (0-1')

Lab Sample ID: 880-50390-16

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/30/24 08:58	10/30/24 13:33	1
Toluene	0.00412		0.00202		mg/Kg		10/30/24 08:58	10/30/24 13:33	1
Ethylbenzene	0.00210		0.00202		mg/Kg		10/30/24 08:58	10/30/24 13:33	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/30/24 08:58	10/30/24 13:33	1
o-Xylene	0.00933		0.00202		mg/Kg		10/30/24 08:58	10/30/24 13:33	1
Xylenes, Total	0.00933		0.00404		mg/Kg		10/30/24 08:58	10/30/24 13:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				10/30/24 08:58	10/30/24 13:33	1
1,4-Difluorobenzene (Surr)	87		70 - 130				10/30/24 08:58	10/30/24 13:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0156		0.00404		mg/Kg			10/30/24 13:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/30/24 01:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/29/24 08:26	10/30/24 01:09	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		10/29/24 08:26	10/30/24 01:09	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/29/24 08:26	10/30/24 01:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				10/29/24 08:26	10/30/24 01:09	1
o-Terphenyl	111		70 - 130				10/29/24 08:26	10/30/24 01:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5380		99.2		mg/Kg			10/30/24 12:00	10

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-50390-17

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/30/24 08:58	10/30/24 13:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/30/24 08:58	10/30/24 13:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/30/24 08:58	10/30/24 13:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/30/24 08:58	10/30/24 13:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/30/24 08:58	10/30/24 13:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/30/24 08:58	10/30/24 13:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	10/30/24 08:58	10/30/24 13:54	1
1,4-Difluorobenzene (Surr)	91		70 - 130	10/30/24 08:58	10/30/24 13:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/30/24 13:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/30/24 01:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/29/24 08:26	10/30/24 01:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/29/24 08:26	10/30/24 01:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/29/24 08:26	10/30/24 01:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130	10/29/24 08:26	10/30/24 01:27	1
o-Terphenyl	119		70 - 130	10/29/24 08:26	10/30/24 01:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13000		198		mg/Kg			10/30/24 12:07	20

Client Sample ID: S-7 (0-1')

Lab Sample ID: 880-50390-18

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/30/24 08:58	10/30/24 14:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/30/24 08:58	10/30/24 14:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/30/24 08:58	10/30/24 14:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/30/24 08:58	10/30/24 14:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/30/24 08:58	10/30/24 14:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/30/24 08:58	10/30/24 14:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	10/30/24 08:58	10/30/24 14:14	1
1,4-Difluorobenzene (Surr)	87		70 - 130	10/30/24 08:58	10/30/24 14:14	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

Client Sample ID: S-7 (0-1')

Lab Sample ID: 880-50390-18

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/30/24 14:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/30/24 01:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/29/24 08:26	10/30/24 01:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/29/24 08:26	10/30/24 01:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/29/24 08:26	10/30/24 01:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				10/29/24 08:26	10/30/24 01:43	1
o-Terphenyl	114		70 - 130				10/29/24 08:26	10/30/24 01:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	109		9.90		mg/Kg			10/30/24 12:13	1

Client Sample ID: S-8 (0-1')

Lab Sample ID: 880-50390-19

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.29		0.0401		mg/Kg		10/30/24 08:58	10/30/24 14:35	20
Toluene	45.6		0.498		mg/Kg		10/30/24 13:22	10/30/24 16:59	250
Ethylbenzene	34.8		0.498		mg/Kg		10/30/24 13:22	10/30/24 16:59	250
m-Xylene & p-Xylene	73.1		0.996		mg/Kg		10/30/24 13:22	10/30/24 16:59	250
o-Xylene	22.5		0.498		mg/Kg		10/30/24 13:22	10/30/24 16:59	250
Xylenes, Total	95.6		0.996		mg/Kg		10/30/24 13:22	10/30/24 16:59	250
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	942	S1+	70 - 130				10/30/24 08:58	10/30/24 14:35	20
1,4-Difluorobenzene (Surr)	89		70 - 130				10/30/24 08:58	10/30/24 14:35	20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	177		0.996		mg/Kg			10/30/24 16:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	9710		49.8		mg/Kg			10/30/24 01:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1840		49.8		mg/Kg		10/29/24 08:26	10/30/24 01:59	1
Diesel Range Organics (Over C10-C28)	7870		49.8		mg/Kg		10/29/24 08:26	10/30/24 01:59	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

Client Sample ID: S-8 (0-1')

Lab Sample ID: 880-50390-19

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/29/24 08:26	10/30/24 01:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	171	S1+	70 - 130				10/29/24 08:26	10/30/24 01:59	1
o-Terphenyl	231	S1+	70 - 130				10/29/24 08:26	10/30/24 01:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6080		101		mg/Kg			10/30/24 15:02	10

Client Sample ID: S-8 (1.5')

Lab Sample ID: 880-50390-20

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.791		0.499		mg/Kg		10/30/24 13:22	10/30/24 17:20	250
Toluene	14.9		0.499		mg/Kg		10/30/24 13:22	10/30/24 17:20	250
Ethylbenzene	18.3		0.499		mg/Kg		10/30/24 13:22	10/30/24 17:20	250
m-Xylene & p-Xylene	40.8		0.998		mg/Kg		10/30/24 13:22	10/30/24 17:20	250
o-Xylene	15.0		0.499		mg/Kg		10/30/24 13:22	10/30/24 17:20	250
Xylenes, Total	55.8		0.998		mg/Kg		10/30/24 13:22	10/30/24 17:20	250
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130				10/30/24 13:22	10/30/24 17:20	250
1,4-Difluorobenzene (Surr)	59	S1-	70 - 130				10/30/24 13:22	10/30/24 17:20	250

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	89.8		0.998		mg/Kg			10/30/24 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	5220		50.0		mg/Kg			10/30/24 02:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	970		50.0		mg/Kg		10/29/24 08:26	10/30/24 02:15	1
Diesel Range Organics (Over C10-C28)	4250		50.0		mg/Kg		10/29/24 08:26	10/30/24 02:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/29/24 08:26	10/30/24 02:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	151	S1+	70 - 130				10/29/24 08:26	10/30/24 02:15	1
o-Terphenyl	189	S1+	70 - 130				10/29/24 08:26	10/30/24 02:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2770		100		mg/Kg			10/30/24 15:08	10

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

Client Sample ID: S-8 (2')

Lab Sample ID: 880-50390-21

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0994	U	0.0994		mg/Kg		10/29/24 15:18	10/30/24 00:55	50
Toluene	0.681		0.0994		mg/Kg		10/29/24 15:18	10/30/24 00:55	50
Ethylbenzene	1.34		0.0994		mg/Kg		10/29/24 15:18	10/30/24 00:55	50
m-Xylene & p-Xylene	3.41		0.199		mg/Kg		10/29/24 15:18	10/30/24 00:55	50
o-Xylene	2.37		0.0994		mg/Kg		10/29/24 15:18	10/30/24 00:55	50
Xylenes, Total	5.78		0.199		mg/Kg		10/29/24 15:18	10/30/24 00:55	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130	10/29/24 15:18	10/30/24 00:55	50
1,4-Difluorobenzene (Surr)	95		70 - 130	10/29/24 15:18	10/30/24 00:55	50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	7.80		0.199		mg/Kg			10/30/24 00:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	611		49.9		mg/Kg			10/30/24 02:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	58.6		49.9		mg/Kg		10/29/24 08:26	10/30/24 02:31	1
Diesel Range Organics (Over C10-C28)	552		49.9		mg/Kg		10/29/24 08:26	10/30/24 02:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/29/24 08:26	10/30/24 02:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	10/29/24 08:26	10/30/24 02:31	1
o-Terphenyl	116		70 - 130	10/29/24 08:26	10/30/24 02:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2570		50.3		mg/Kg			10/30/24 15:14	5

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-50388-A-1-C MS	Matrix Spike	102	102
880-50388-A-1-D MSD	Matrix Spike Duplicate	103	104
880-50390-1	S-1 (0-1')	70	78
880-50390-1 MS	S-1 (0-1')	100	79
880-50390-1 MSD	S-1 (0-1')	83	77
880-50390-2	S-1 (1.5')	94	88
880-50390-3	S-1 (2')	145 S1+	102
880-50390-4	S-1 (3')	157 S1+	100
880-50390-5	S-1 (4')	139 S1+	78
880-50390-6	S-1 (5')	100	86
880-50390-7	S-2 (0-1')	52 S1-	71
880-50390-8	S-2 (1.5')	148 S1+	102
880-50390-9	S-2 (2')	177 S1+	103
880-50390-10	S-2 (3')	76	56 S1-
880-50390-11	S-3 (0-1')	92	91
880-50390-11 MS	S-3 (0-1')	103	104
880-50390-11 MSD	S-3 (0-1')	100	104
880-50390-12	S-3 (1.5')	95	92
880-50390-13	S-3 (2')	94	92
880-50390-14	S-4 (0-1')	101	84
880-50390-15	S-4 (1.5')	96	94
880-50390-16	S-5 (0-1')	96	87
880-50390-17	S-6 (0-1')	99	91
880-50390-18	S-7 (0-1')	98	87
880-50390-19	S-8 (0-1')	942 S1+	89
880-50390-20	S-8 (1.5')	77	59 S1-
880-50390-21	S-8 (2')	140 S1+	95
880-50435-A-1-B MS	Matrix Spike	97	88
880-50435-A-1-C MSD	Matrix Spike Duplicate	104	101
890-7317-A-1-D MS	Matrix Spike	104	99
890-7317-A-1-E MSD	Matrix Spike Duplicate	102	101
LCS 880-94349/1-A	Lab Control Sample	99	104
LCS 880-94351/1-A	Lab Control Sample	110	95
LCS 880-94381/1-A	Lab Control Sample	97	102
LCS 880-94387/1-A	Lab Control Sample	101	101
LCS 880-94418/1-A	Lab Control Sample	92	89
LCSD 880-94349/2-A	Lab Control Sample Dup	98	102
LCSD 880-94351/2-A	Lab Control Sample Dup	108	95
LCSD 880-94381/2-A	Lab Control Sample Dup	96	100
LCSD 880-94387/2-A	Lab Control Sample Dup	101	99
LCSD 880-94418/2-A	Lab Control Sample Dup	110	86
MB 880-94349/5-A	Method Blank	89	90
MB 880-94351/5-A	Method Blank	169 S1+	109
MB 880-94381/5-A	Method Blank	91	89
MB 880-94387/5-A	Method Blank	110	89
MB 880-94418/5-A	Method Blank	220 S1+	130

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-50389-A-5-B MS	Matrix Spike	109	109
880-50389-A-5-C MSD	Matrix Spike Duplicate	108	109
880-50390-1	S-1 (0-1')	245 S1+	257 S1+
880-50390-2	S-1 (1.5')	222 S1+	241 S1+
880-50390-3	S-1 (2')	170 S1+	250 S1+
880-50390-4	S-1 (3')	227 S1+	308 S1+
880-50390-5	S-1 (4')	144 S1+	148 S1+
880-50390-6	S-1 (5')	118	122
880-50390-7	S-2 (0-1')	156 S1+	214 S1+
880-50390-8	S-2 (1.5')	272 S1+	284 S1+
880-50390-9	S-2 (2')	320 S1+	440 S1+
880-50390-10	S-2 (3')	136 S1+	145 S1+
880-50390-11	S-3 (0-1')	114	104
880-50390-12	S-3 (1.5')	80	74
880-50390-13	S-3 (2')	118	109
880-50390-14	S-4 (0-1')	121	118
880-50390-15	S-4 (1.5')	128	131 S1+
880-50390-16	S-5 (0-1')	115	111
880-50390-17	S-6 (0-1')	122	119
880-50390-18	S-7 (0-1')	121	114
880-50390-19	S-8 (0-1')	171 S1+	231 S1+
880-50390-20	S-8 (1.5')	151 S1+	189 S1+
880-50390-21	S-8 (2')	114	116
880-50433-A-9-D MS	Matrix Spike	104	72
880-50433-A-9-E MSD	Matrix Spike Duplicate	83	72
890-7315-A-1-B MS	Matrix Spike	101	102
890-7315-A-1-C MSD	Matrix Spike Duplicate	102	103
LCS 880-94304/2-A	Lab Control Sample	121	124
LCS 880-94353/2-A	Lab Control Sample	167 S1+	173 S1+
LCS 880-94419/2-A	Lab Control Sample	122	110
LCSD 880-94304/3-A	Lab Control Sample Dup	128	130
LCSD 880-94353/3-A	Lab Control Sample Dup	169 S1+	170 S1+
LCSD 880-94419/3-A	Lab Control Sample Dup	116	102
MB 880-94304/1-A	Method Blank	146 S1+	139 S1+
MB 880-94353/1-A	Method Blank	157 S1+	148 S1+
MB 880-94419/1-A	Method Blank	122	99

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-94349/5-A

Matrix: Solid

Analysis Batch: 94302

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 94349

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		10/29/24 15:18	10/29/24 17:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/29/24 15:18	10/29/24 17:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/29/24 15:18	10/29/24 17:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/29/24 15:18	10/29/24 17:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/29/24 15:18	10/29/24 17:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/29/24 15:18	10/29/24 17:59	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	89		70 - 130	10/29/24 15:18	10/29/24 17:59	1
1,4-Difluorobenzene (Surr)	90		70 - 130	10/29/24 15:18	10/29/24 17:59	1

Lab Sample ID: LCS 880-94349/1-A

Matrix: Solid

Analysis Batch: 94302

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 94349

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	0.100	0.1075		mg/Kg		107	70 - 130
Toluene	0.100	0.1094		mg/Kg		109	70 - 130
Ethylbenzene	0.100	0.1063		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	0.200	0.2167		mg/Kg		108	70 - 130
o-Xylene	0.100	0.1072		mg/Kg		107	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-94349/2-A

Matrix: Solid

Analysis Batch: 94302

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 94349

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
Benzene	0.100	0.09867		mg/Kg		99	70 - 130	9	35
Toluene	0.100	0.1014		mg/Kg		101	70 - 130	8	35
Ethylbenzene	0.100	0.09824		mg/Kg		98	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1995		mg/Kg		100	70 - 130	8	35
o-Xylene	0.100	0.09910		mg/Kg		99	70 - 130	8	35

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-50388-A-1-C MS

Matrix: Solid

Analysis Batch: 94302

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 94349

Analyte	Sample Sample		Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Benzene	<0.00200	U	0.100	0.09705		mg/Kg		95	70 - 130
Toluene	0.00417		0.100	0.1010		mg/Kg		97	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-50388-A-1-C MS

Matrix: Solid

Analysis Batch: 94302

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 94349

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09500		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.0112		0.200	0.1983		mg/Kg		94	70 - 130
o-Xylene	0.00283		0.100	0.09694		mg/Kg		94	70 - 130

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

Lab Sample ID: 880-50388-A-1-D MSD

Matrix: Solid

Analysis Batch: 94302

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 94349

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.08831		mg/Kg		87	70 - 130	9	35
Toluene	0.00417		0.100	0.09105		mg/Kg		87	70 - 130	10	35
Ethylbenzene	<0.00200	U	0.100	0.08540		mg/Kg		84	70 - 130	11	35
m-Xylene & p-Xylene	0.0112		0.200	0.1779		mg/Kg		83	70 - 130	11	35
o-Xylene	0.00283		0.100	0.08764		mg/Kg		85	70 - 130	10	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-94351/5-A

Matrix: Solid

Analysis Batch: 94303

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 94351

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/29/24 15:36	10/29/24 18:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/29/24 15:36	10/29/24 18:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/29/24 15:36	10/29/24 18:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/29/24 15:36	10/29/24 18:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/29/24 15:36	10/29/24 18:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/29/24 15:36	10/29/24 18:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	169	S1+	70 - 130	10/29/24 15:36	10/29/24 18:22	1
1,4-Difluorobenzene (Surr)	109		70 - 130	10/29/24 15:36	10/29/24 18:22	1

Lab Sample ID: LCS 880-94351/1-A

Matrix: Solid

Analysis Batch: 94303

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 94351

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09984		mg/Kg		100	70 - 130
Toluene	0.100	0.09975		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.1131		mg/Kg		113	70 - 130
m-Xylene & p-Xylene	0.200	0.2436		mg/Kg		122	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-94351/1-A

Matrix: Solid

Analysis Batch: 94303

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 94351

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1160		mg/Kg		116	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: LCSD 880-94351/2-A

Matrix: Solid

Analysis Batch: 94303

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 94351

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09995		mg/Kg		100	70 - 130	0	35
Toluene	0.100	0.1016		mg/Kg		102	70 - 130	2	35
Ethylbenzene	0.100	0.1158		mg/Kg		116	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2429		mg/Kg		121	70 - 130	0	35
o-Xylene	0.100	0.1310	*+	mg/Kg		131	70 - 130	12	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-50390-1 MS

Matrix: Solid

Analysis Batch: 94303

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

Prep Type: Total/NA

Prep Batch: 94351

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	2.29		0.100	10.17	4	mg/Kg		7880	70 - 130
Toluene	44.1	E	0.100	48.68	E 4	mg/Kg		4582	70 - 130
Ethylbenzene	40.9	E	0.100	59.00	E 4	mg/Kg		18132	70 - 130
m-Xylene & p-Xylene	73.1		0.200	88.99	E 4	mg/Kg		7958	70 - 130
o-Xylene	20.9		0.100	33.48	4	mg/Kg		12579	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	79		70 - 130

Lab Sample ID: 880-50390-1 MSD

Matrix: Solid

Analysis Batch: 94303

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

Prep Type: Total/NA

Prep Batch: 94351

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	2.29		0.100	9.120	4	mg/Kg		6834	70 - 130	11	35
Toluene	44.1	E	0.100	47.11	E 4	mg/Kg		3009	70 - 130	3	35
Ethylbenzene	40.9	E	0.100	46.66	E 4	mg/Kg		5791	70 - 130	23	35
m-Xylene & p-Xylene	73.1		0.200	90.09	E 4	mg/Kg		8510	70 - 130	1	35
o-Xylene	20.9		0.100	26.70	4	mg/Kg		5799	70 - 130	23	35

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-50390-1 MSD

Matrix: Solid

Analysis Batch: 94303

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

Prep Type: Total/NA

Prep Batch: 94351

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	83		70 - 130
1,4-Difluorobenzene (Surr)	77		70 - 130

Lab Sample ID: MB 880-94381/5-A

Matrix: Solid

Analysis Batch: 94378

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 94381

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/30/24 08:58	10/30/24 11:29	1	
Toluene	<0.00200	U	0.00200		mg/Kg		10/30/24 08:58	10/30/24 11:29	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/30/24 08:58	10/30/24 11:29	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/30/24 08:58	10/30/24 11:29	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/30/24 08:58	10/30/24 11:29	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/30/24 08:58	10/30/24 11:29	1	
	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				10/30/24 08:58	10/30/24 11:29	1	
1,4-Difluorobenzene (Surr)	89		70 - 130				10/30/24 08:58	10/30/24 11:29	1	

Lab Sample ID: LCS 880-94381/1-A

Matrix: Solid

Analysis Batch: 94378

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 94381

	Spike	LCS	LCS					%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Benzene	0.100	0.09010		mg/Kg		90	70 - 130			
Toluene	0.100	0.09150		mg/Kg		92	70 - 130			
Ethylbenzene	0.100	0.08907		mg/Kg		89	70 - 130			
m-Xylene & p-Xylene	0.200	0.1793		mg/Kg		90	70 - 130			
o-Xylene	0.100	0.08916		mg/Kg		89	70 - 130			
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	97		70 - 130							
1,4-Difluorobenzene (Surr)	102		70 - 130							

Lab Sample ID: LCSD 880-94381/2-A

Matrix: Solid

Analysis Batch: 94378

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 94381

	Spike	LCSD	LCSD					%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.08777		mg/Kg		88	70 - 130	3	35	
Toluene	0.100	0.09099		mg/Kg		91	70 - 130	1	35	
Ethylbenzene	0.100	0.08715		mg/Kg		87	70 - 130	2	35	
m-Xylene & p-Xylene	0.200	0.1756		mg/Kg		88	70 - 130	2	35	
o-Xylene	0.100	0.08734		mg/Kg		87	70 - 130	2	35	
	LCSD	LCSD								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	96		70 - 130							

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-94381/2-A

Matrix: Solid

Analysis Batch: 94378

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 94381

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

Lab Sample ID: 880-50390-11 MS

Matrix: Solid

Analysis Batch: 94378

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

Prep Type: Total/NA

Prep Batch: 94381

	Sample	Sample	Spike	MS	MS			%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	<0.00201	U	0.100	0.08657		mg/Kg		87	70 - 130
Toluene	<0.00201	U	0.100	0.08862		mg/Kg		89	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.08436		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1700		mg/Kg		85	70 - 130
o-Xylene	<0.00201	U	0.100	0.08469		mg/Kg		85	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-50390-11 MSD

Matrix: Solid

Analysis Batch: 94378

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

Prep Type: Total/NA

Prep Batch: 94381

	Sample	Sample	Spike	MSD	MSD			%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U	0.100	0.09263		mg/Kg		93	70 - 130	7	35
Toluene	<0.00201	U	0.100	0.09473		mg/Kg		95	70 - 130	7	35
Ethylbenzene	<0.00201	U	0.100	0.08981		mg/Kg		88	70 - 130	6	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1817		mg/Kg		91	70 - 130	7	35
o-Xylene	<0.00201	U	0.100	0.09091		mg/Kg		91	70 - 130	7	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-94387/5-A

Matrix: Solid

Analysis Batch: 94375

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 94387

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/30/24 09:04	10/30/24 11:33	1	
Toluene	<0.00200	U	0.00200		mg/Kg		10/30/24 09:04	10/30/24 11:33	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/30/24 09:04	10/30/24 11:33	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/30/24 09:04	10/30/24 11:33	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/30/24 09:04	10/30/24 11:33	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/30/24 09:04	10/30/24 11:33	1	

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac			
4-Bromofluorobenzene (Surr)	110		70 - 130	10/30/24 09:04	10/30/24 11:33	1				
1,4-Difluorobenzene (Surr)	89		70 - 130	10/30/24 09:04	10/30/24 11:33	1				

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-94387/1-A

Matrix: Solid

Analysis Batch: 94375

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 94387

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1065		mg/Kg		107	70 - 130
Toluene	0.100	0.1084		mg/Kg		108	70 - 130
Ethylbenzene	0.100	0.1069		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	0.200	0.2088		mg/Kg		104	70 - 130
o-Xylene	0.100	0.1057		mg/Kg		106	70 - 130

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

Lab Sample ID: LCSD 880-94387/2-A

Matrix: Solid

Analysis Batch: 94375

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 94387

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1001		mg/Kg		100	70 - 130	6	35
Toluene	0.100	0.1021		mg/Kg		102	70 - 130	6	35
Ethylbenzene	0.100	0.1005		mg/Kg		100	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1948		mg/Kg		97	70 - 130	7	35
o-Xylene	0.100	0.09887		mg/Kg		99	70 - 130	7	35

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

Lab Sample ID: 890-7317-A-1-D MS

Matrix: Solid

Analysis Batch: 94375

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 94387

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.09924		mg/Kg		99	70 - 130
Toluene	<0.00201	U	0.100	0.1008		mg/Kg		101	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.09907		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1929		mg/Kg		96	70 - 130
o-Xylene	<0.00201	U	0.100	0.09683		mg/Kg		97	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 890-7317-A-1-E MSD

Matrix: Solid

Analysis Batch: 94375

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 94387

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	0.09904		mg/Kg		99	70 - 130	0	35
Toluene	<0.00201	U	0.100	0.09974		mg/Kg		100	70 - 130	1	35
Ethylbenzene	<0.00201	U	0.100	0.09800		mg/Kg		98	70 - 130	1	35

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 890-7317-A-1-E MSD

Matrix: Solid

Analysis Batch: 94375

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 94387

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1908		mg/Kg		95	70 - 130	1	35
o-Xylene	<0.00201	U	0.100	0.09627		mg/Kg		96	70 - 130	1	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	102		70 - 130								
1,4-Difluorobenzene (Surr)	101		70 - 130								

Lab Sample ID: MB 880-94418/5-A

Matrix: Solid

Analysis Batch: 94379

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 94418

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/30/24 13:22	10/30/24 15:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/30/24 13:22	10/30/24 15:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/30/24 13:22	10/30/24 15:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/30/24 13:22	10/30/24 15:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/30/24 13:22	10/30/24 15:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/30/24 13:22	10/30/24 15:29	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	220	S1+	70 - 130				10/30/24 13:22	10/30/24 15:29	1
1,4-Difluorobenzene (Surr)	130		70 - 130				10/30/24 13:22	10/30/24 15:29	1

Lab Sample ID: LCS 880-94418/1-A

Matrix: Solid

Analysis Batch: 94379

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 94418

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08459		mg/Kg		85	70 - 130
Toluene	0.100	0.09932		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1086		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.1865		mg/Kg		93	70 - 130
o-Xylene	0.100	0.08780		mg/Kg		88	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	92		70 - 130				
1,4-Difluorobenzene (Surr)	89		70 - 130				

Lab Sample ID: LCSD 880-94418/2-A

Matrix: Solid

Analysis Batch: 94379

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 94418

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08026		mg/Kg		80	70 - 130	5	35
Toluene	0.100	0.09391		mg/Kg		94	70 - 130	6	35
Ethylbenzene	0.100	0.1016		mg/Kg		102	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1804		mg/Kg		90	70 - 130	3	35
o-Xylene	0.100	0.09442		mg/Kg		94	70 - 130	7	35

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: 880-50435-A-1-B MS

Matrix: Solid

Analysis Batch: 94379

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 94418

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08497		mg/Kg		85	70 - 130
Toluene	<0.00200	U	0.100	0.09136		mg/Kg		91	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09533		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1775		mg/Kg		89	70 - 130
o-Xylene	<0.00200	U	0.100	0.08880		mg/Kg		89	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: 880-50435-A-1-C MSD

Matrix: Solid

Analysis Batch: 94379

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 94418

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.09186		mg/Kg		92	70 - 130	8	35
Toluene	<0.00200	U	0.100	0.09219		mg/Kg		92	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.100	0.08985		mg/Kg		88	70 - 130	6	35
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1817		mg/Kg		91	70 - 130	2	35
o-Xylene	<0.00200	U	0.100	0.09457		mg/Kg		95	70 - 130	6	35

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

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

Lab Sample ID: MB 880-94304/1-A

Matrix: Solid

Analysis Batch: 94326

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 94304

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		10/29/24 08:24	10/29/24 19:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/29/24 08:24	10/29/24 19:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/29/24 08:24	10/29/24 19:35	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	146	S1+	70 - 130	10/29/24 08:24	10/29/24 19:35	1			
o-Terphenyl	139	S1+	70 - 130	10/29/24 08:24	10/29/24 19:35	1			

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-94304/2-A

Matrix: Solid

Analysis Batch: 94326

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 94304

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	818.1		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)	1000	731.9		mg/Kg		73	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	121		70 - 130				
o-Terphenyl	124		70 - 130				

Lab Sample ID: LCSD 880-94304/3-A

Matrix: Solid

Analysis Batch: 94326

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 94304

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	873.1		mg/Kg	-	87	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	788.0		mg/Kg	-	79	70 - 130	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	128		70 - 130
o-Terphenyl	130		70 - 130

Lab Sample ID: 890-7315-A-1-B MS

Matrix: Solid

Analysis Batch: 94326

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 94304

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	885.4		mg/Kg		89	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	999	850.1		mg/Kg		85	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	101		70 - 130								
o-Terphenyl	102		70 - 130								

Lab Sample ID: 890-7315-A-1-C MSD

Matrix: Solid

Analysis Batch: 94326

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 94304

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	902.4		mg/Kg		90	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	850.4		mg/Kg		85	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	102		70 - 130								

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 890-7315-A-1-C MSD

Matrix: Solid

Analysis Batch: 94326

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 94304

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	103		70 - 130

Lab Sample ID: MB 880-94353/1-A

Matrix: Solid

Analysis Batch: 94395

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 94353

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/29/24 15:42	10/30/24 03:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/29/24 15:42	10/30/24 03:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/29/24 15:42	10/30/24 03:52	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	157	S1+	70 - 130				10/29/24 15:42	10/30/24 03:52	1
<i>o</i> -Terphenyl	148	S1+	70 - 130				10/29/24 15:42	10/30/24 03:52	1

Lab Sample ID: LCS 880-94353/2-A

Matrix: Solid

Analysis Batch: 94395

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 94353

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1073		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1067		mg/Kg		107	70 - 130
Surrogate	LCS	LCS	Limits				
	%Recovery	Qualifier					
1-Chlorooctane	167	S1+	70 - 130				
<i>o</i> -Terphenyl	173	S1+	70 - 130				

Lab Sample ID: LCSD 880-94353/3-A

Matrix: Solid

Analysis Batch: 94395

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 94353

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1097		mg/Kg		110	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1034		mg/Kg		103	70 - 130	3	20
Surrogate	LCSD	LCSD	Limits						
	%Recovery	Qualifier							
1-Chlorooctane	169	S1+	70 - 130						
<i>o</i> -Terphenyl	170	S1+	70 - 130						

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-50389-A-5-B MS

Matrix: Solid

Analysis Batch: 94395

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 94353

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	999	832.2		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	999	850.2		mg/Kg		85	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	109		70 - 130						
o-Terphenyl	109		70 - 130						

Lab Sample ID: 880-50389-A-5-C MSD

Matrix: Solid

Analysis Batch: 94395

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 94353

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	847.9		mg/Kg		85	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	852.2		mg/Kg		85	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	108		70 - 130								
o-Terphenyl	109		70 - 130								

Lab Sample ID: MB 880-94419/1-A

Matrix: Solid

Analysis Batch: 94536

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 94419

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		10/30/24 13:32	10/31/24 09:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/30/24 13:32	10/31/24 09:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/30/24 13:32	10/31/24 09:52	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				10/30/24 13:32	10/31/24 09:52	1
o-Terphenyl	99		70 - 130				10/30/24 13:32	10/31/24 09:52	1

Lab Sample ID: LCS 880-94419/2-A

Matrix: Solid

Analysis Batch: 94536

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 94419

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1123		mg/Kg		112	70 - 130
Diesel Range Organics (Over C10-C28)	1000	905.3		mg/Kg		91	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-94419/2-A

Matrix: Solid

Analysis Batch: 94536

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 94419

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	122		70 - 130
o-Terphenyl	110		70 - 130

Lab Sample ID: LCSD 880-94419/3-A

Matrix: Solid

Analysis Batch: 94536

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 94419

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1063		mg/Kg		106	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	817.5		mg/Kg		82	70 - 130	10	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	116		70 - 130
o-Terphenyl	102		70 - 130

Lab Sample ID: 880-50433-A-9-D MS

Matrix: Solid

Analysis Batch: 94536

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 94419

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	762.9		mg/Kg		76	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F1	998	632.6	F1	mg/Kg		63	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	72		70 - 130

Lab Sample ID: 880-50433-A-9-E MSD

Matrix: Solid

Analysis Batch: 94536

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 94419

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	757.8		mg/Kg		76	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	998	687.6	F1	mg/Kg		69	70 - 130	8	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	83		70 - 130
o-Terphenyl	72		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-94372/1-A

Matrix: Solid

Analysis Batch: 94389

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			10/30/24 09:54	1

Lab Sample ID: LCS 880-94372/2-A

Matrix: Solid

Analysis Batch: 94389

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	249.0		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-94372/3-A

Matrix: Solid

Analysis Batch: 94389

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	248.1		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-50413-A-3-C MS

Matrix: Solid

Analysis Batch: 94389

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2530	F1	1250	3911	F1	mg/Kg		111	90 - 110

Lab Sample ID: 880-50413-A-3-D MSD

Matrix: Solid

Analysis Batch: 94389

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	2530	F1	1250	3930	F1	mg/Kg		112	90 - 110	0	20

Lab Sample ID: 880-50420-A-1-B MS

Matrix: Solid

Analysis Batch: 94389

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.7		252	261.5		mg/Kg		100	90 - 110

Lab Sample ID: 880-50420-A-1-C MSD

Matrix: Solid

Analysis Batch: 94389

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	10.7		252	260.1		mg/Kg		99	90 - 110	1	20

Lab Sample ID: MB 880-94356/1-A

Matrix: Solid

Analysis Batch: 94390

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			10/30/24 13:11	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-94356/2-A

Matrix: Solid

Analysis Batch: 94390

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	251.2		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-94356/3-A

Matrix: Solid

Analysis Batch: 94390

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	255.7		mg/Kg		102	90 - 110	2	20

Lab Sample ID: 880-50390-5 MS

Matrix: Solid

Analysis Batch: 94390

Client Sample ID: S-1 (4')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	905	F1	1240	2556	F1	mg/Kg		133	90 - 110		

Lab Sample ID: 880-50390-5 MSD

Matrix: Solid

Analysis Batch: 94390

Client Sample ID: S-1 (4')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	905	F1	1240	2533	F1	mg/Kg		132	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 94302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50390-21	S-8 (2')	Total/NA	Solid	8021B	94349
MB 880-94349/5-A	Method Blank	Total/NA	Solid	8021B	94349
LCS 880-94349/1-A	Lab Control Sample	Total/NA	Solid	8021B	94349
LCSD 880-94349/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	94349
880-50388-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	94349
880-50388-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	94349

Analysis Batch: 94303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50390-1	S-1 (0-1')	Total/NA	Solid	8021B	94351
880-50390-2	S-1 (1.5')	Total/NA	Solid	8021B	94351
880-50390-5	S-1 (4')	Total/NA	Solid	8021B	94351
880-50390-6	S-1 (5')	Total/NA	Solid	8021B	94351
880-50390-7	S-2 (0-1')	Total/NA	Solid	8021B	94351
880-50390-10	S-2 (3')	Total/NA	Solid	8021B	94351
MB 880-94351/5-A	Method Blank	Total/NA	Solid	8021B	94351
LCS 880-94351/1-A	Lab Control Sample	Total/NA	Solid	8021B	94351
LCSD 880-94351/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	94351
880-50390-1 MS	S-1 (0-1')	Total/NA	Solid	8021B	94351
880-50390-1 MSD	S-1 (0-1')	Total/NA	Solid	8021B	94351

Prep Batch: 94349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50390-21	S-8 (2')	Total/NA	Solid	5035	
MB 880-94349/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-94349/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-94349/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-50388-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-50388-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 94351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50390-1	S-1 (0-1')	Total/NA	Solid	5035	
880-50390-2	S-1 (1.5')	Total/NA	Solid	5035	
880-50390-5	S-1 (4')	Total/NA	Solid	5035	
880-50390-6	S-1 (5')	Total/NA	Solid	5035	
880-50390-7	S-2 (0-1')	Total/NA	Solid	5035	
880-50390-10	S-2 (3')	Total/NA	Solid	5035	
MB 880-94351/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-94351/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-94351/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-50390-1 MS	S-1 (0-1')	Total/NA	Solid	5035	
880-50390-1 MSD	S-1 (0-1')	Total/NA	Solid	5035	

Analysis Batch: 94375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50390-1	S-1 (0-1')	Total/NA	Solid	8021B	94387
880-50390-2	S-1 (1.5')	Total/NA	Solid	8021B	94387
880-50390-3	S-1 (2')	Total/NA	Solid	8021B	94387
880-50390-4	S-1 (3')	Total/NA	Solid	8021B	94387
880-50390-8	S-2 (1.5')	Total/NA	Solid	8021B	94387

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 94375 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50390-9	S-2 (2')	Total/NA	Solid	8021B	94387
MB 880-94387/5-A	Method Blank	Total/NA	Solid	8021B	94387
LCS 880-94387/1-A	Lab Control Sample	Total/NA	Solid	8021B	94387
LCSD 880-94387/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	94387
890-7317-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	94387
890-7317-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	94387

Analysis Batch: 94378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50390-11	S-3 (0-1')	Total/NA	Solid	8021B	94381
880-50390-12	S-3 (1.5')	Total/NA	Solid	8021B	94381
880-50390-13	S-3 (2')	Total/NA	Solid	8021B	94381
880-50390-14	S-4 (0-1')	Total/NA	Solid	8021B	94381
880-50390-15	S-4 (1.5')	Total/NA	Solid	8021B	94381
880-50390-16	S-5 (0-1')	Total/NA	Solid	8021B	94381
880-50390-17	S-6 (0-1')	Total/NA	Solid	8021B	94381
880-50390-18	S-7 (0-1')	Total/NA	Solid	8021B	94381
880-50390-19	S-8 (0-1')	Total/NA	Solid	8021B	94381
MB 880-94381/5-A	Method Blank	Total/NA	Solid	8021B	94381
LCS 880-94381/1-A	Lab Control Sample	Total/NA	Solid	8021B	94381
LCSD 880-94381/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	94381
880-50390-11 MS	S-3 (0-1')	Total/NA	Solid	8021B	94381
880-50390-11 MSD	S-3 (0-1')	Total/NA	Solid	8021B	94381

Analysis Batch: 94379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50390-19	S-8 (0-1')	Total/NA	Solid	8021B	94418
880-50390-20	S-8 (1.5')	Total/NA	Solid	8021B	94418
MB 880-94418/5-A	Method Blank	Total/NA	Solid	8021B	94418
LCS 880-94418/1-A	Lab Control Sample	Total/NA	Solid	8021B	94418
LCSD 880-94418/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	94418
880-50435-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	94418
880-50435-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	94418

Prep Batch: 94381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50390-11	S-3 (0-1')	Total/NA	Solid	5035	
880-50390-12	S-3 (1.5')	Total/NA	Solid	5035	
880-50390-13	S-3 (2')	Total/NA	Solid	5035	
880-50390-14	S-4 (0-1')	Total/NA	Solid	5035	
880-50390-15	S-4 (1.5')	Total/NA	Solid	5035	
880-50390-16	S-5 (0-1')	Total/NA	Solid	5035	
880-50390-17	S-6 (0-1')	Total/NA	Solid	5035	
880-50390-18	S-7 (0-1')	Total/NA	Solid	5035	
880-50390-19	S-8 (0-1')	Total/NA	Solid	5035	
MB 880-94381/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-94381/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-94381/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-50390-11 MS	S-3 (0-1')	Total/NA	Solid	5035	
880-50390-11 MSD	S-3 (0-1')	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

GC VOA

Prep Batch: 94387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50390-1	S-1 (0-1')	Total/NA	Solid	5035	
880-50390-2	S-1 (1.5')	Total/NA	Solid	5035	
880-50390-3	S-1 (2')	Total/NA	Solid	5035	
880-50390-4	S-1 (3')	Total/NA	Solid	5035	
880-50390-8	S-2 (1.5')	Total/NA	Solid	5035	
880-50390-9	S-2 (2')	Total/NA	Solid	5035	
MB 880-94387/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-94387/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-94387/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7317-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
890-7317-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 94418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50390-19	S-8 (0-1')	Total/NA	Solid	5035	
880-50390-20	S-8 (1.5')	Total/NA	Solid	5035	
MB 880-94418/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-94418/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-94418/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-50435-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-50435-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 94445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50390-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-50390-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-50390-3	S-1 (2')	Total/NA	Solid	Total BTEX	
880-50390-4	S-1 (3')	Total/NA	Solid	Total BTEX	
880-50390-5	S-1 (4')	Total/NA	Solid	Total BTEX	
880-50390-6	S-1 (5')	Total/NA	Solid	Total BTEX	
880-50390-7	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-50390-8	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-50390-9	S-2 (2')	Total/NA	Solid	Total BTEX	
880-50390-10	S-2 (3')	Total/NA	Solid	Total BTEX	
880-50390-11	S-3 (0-1')	Total/NA	Solid	Total BTEX	
880-50390-12	S-3 (1.5')	Total/NA	Solid	Total BTEX	
880-50390-13	S-3 (2')	Total/NA	Solid	Total BTEX	
880-50390-14	S-4 (0-1')	Total/NA	Solid	Total BTEX	
880-50390-15	S-4 (1.5')	Total/NA	Solid	Total BTEX	
880-50390-16	S-5 (0-1')	Total/NA	Solid	Total BTEX	
880-50390-17	S-6 (0-1')	Total/NA	Solid	Total BTEX	
880-50390-18	S-7 (0-1')	Total/NA	Solid	Total BTEX	
880-50390-19	S-8 (0-1')	Total/NA	Solid	Total BTEX	
880-50390-20	S-8 (1.5')	Total/NA	Solid	Total BTEX	
880-50390-21	S-8 (2')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 94304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50390-16	S-5 (0-1')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 94304 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50390-17	S-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-50390-18	S-7 (0-1')	Total/NA	Solid	8015NM Prep	
880-50390-19	S-8 (0-1')	Total/NA	Solid	8015NM Prep	
880-50390-20	S-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-50390-21	S-8 (2')	Total/NA	Solid	8015NM Prep	
MB 880-94304/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-94304/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-94304/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7315-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7315-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 94326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50390-16	S-5 (0-1')	Total/NA	Solid	8015B NM	94304
880-50390-17	S-6 (0-1')	Total/NA	Solid	8015B NM	94304
880-50390-18	S-7 (0-1')	Total/NA	Solid	8015B NM	94304
880-50390-19	S-8 (0-1')	Total/NA	Solid	8015B NM	94304
880-50390-20	S-8 (1.5')	Total/NA	Solid	8015B NM	94304
880-50390-21	S-8 (2')	Total/NA	Solid	8015B NM	94304
MB 880-94304/1-A	Method Blank	Total/NA	Solid	8015B NM	94304
LCS 880-94304/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	94304
LCSD 880-94304/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	94304
890-7315-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	94304
890-7315-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	94304

Prep Batch: 94353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50390-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-50390-3	S-1 (2')	Total/NA	Solid	8015NM Prep	
880-50390-5	S-1 (4')	Total/NA	Solid	8015NM Prep	
880-50390-6	S-1 (5')	Total/NA	Solid	8015NM Prep	
880-50390-7	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-50390-10	S-2 (3')	Total/NA	Solid	8015NM Prep	
880-50390-11	S-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-50390-12	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-50390-13	S-3 (2')	Total/NA	Solid	8015NM Prep	
880-50390-14	S-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-50390-15	S-4 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-94353/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-94353/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-94353/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-50389-A-5-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-50389-A-5-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 94395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50390-2	S-1 (1.5')	Total/NA	Solid	8015B NM	94353
880-50390-3	S-1 (2')	Total/NA	Solid	8015B NM	94353
880-50390-5	S-1 (4')	Total/NA	Solid	8015B NM	94353
880-50390-6	S-1 (5')	Total/NA	Solid	8015B NM	94353
880-50390-7	S-2 (0-1')	Total/NA	Solid	8015B NM	94353

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 94395 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50390-10	S-2 (3')	Total/NA	Solid	8015B NM	94353
880-50390-11	S-3 (0-1')	Total/NA	Solid	8015B NM	94353
880-50390-12	S-3 (1.5')	Total/NA	Solid	8015B NM	94353
880-50390-13	S-3 (2')	Total/NA	Solid	8015B NM	94353
880-50390-14	S-4 (0-1')	Total/NA	Solid	8015B NM	94353
880-50390-15	S-4 (1.5')	Total/NA	Solid	8015B NM	94353
MB 880-94353/1-A	Method Blank	Total/NA	Solid	8015B NM	94353
LCS 880-94353/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	94353
LCSD 880-94353/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	94353
880-50389-A-5-B MS	Matrix Spike	Total/NA	Solid	8015B NM	94353
880-50389-A-5-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	94353

Prep Batch: 94419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50390-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-50390-4	S-1 (3')	Total/NA	Solid	8015NM Prep	
880-50390-8	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-50390-9	S-2 (2')	Total/NA	Solid	8015NM Prep	
MB 880-94419/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-94419/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-94419/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-50433-A-9-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-50433-A-9-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 94424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50390-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-50390-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-50390-3	S-1 (2')	Total/NA	Solid	8015 NM	
880-50390-4	S-1 (3')	Total/NA	Solid	8015 NM	
880-50390-5	S-1 (4')	Total/NA	Solid	8015 NM	
880-50390-6	S-1 (5')	Total/NA	Solid	8015 NM	
880-50390-7	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-50390-8	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-50390-9	S-2 (2')	Total/NA	Solid	8015 NM	
880-50390-10	S-2 (3')	Total/NA	Solid	8015 NM	
880-50390-11	S-3 (0-1')	Total/NA	Solid	8015 NM	
880-50390-12	S-3 (1.5')	Total/NA	Solid	8015 NM	
880-50390-13	S-3 (2')	Total/NA	Solid	8015 NM	
880-50390-14	S-4 (0-1')	Total/NA	Solid	8015 NM	
880-50390-15	S-4 (1.5')	Total/NA	Solid	8015 NM	
880-50390-16	S-5 (0-1')	Total/NA	Solid	8015 NM	
880-50390-17	S-6 (0-1')	Total/NA	Solid	8015 NM	
880-50390-18	S-7 (0-1')	Total/NA	Solid	8015 NM	
880-50390-19	S-8 (0-1')	Total/NA	Solid	8015 NM	
880-50390-20	S-8 (1.5')	Total/NA	Solid	8015 NM	
880-50390-21	S-8 (2')	Total/NA	Solid	8015 NM	

Analysis Batch: 94536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50390-1	S-1 (0-1')	Total/NA	Solid	8015B NM	94419

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 94536 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50390-4	S-1 (3')	Total/NA	Solid	8015B NM	94419
880-50390-8	S-2 (1.5')	Total/NA	Solid	8015B NM	94419
880-50390-9	S-2 (2')	Total/NA	Solid	8015B NM	94419
MB 880-94419/1-A	Method Blank	Total/NA	Solid	8015B NM	94419
LCS 880-94419/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	94419
LCSD 880-94419/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	94419
880-50433-A-9-D MS	Matrix Spike	Total/NA	Solid	8015B NM	94419
880-50433-A-9-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	94419

HPLC/IC

Leach Batch: 94356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50390-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-50390-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-50390-3	S-1 (2')	Soluble	Solid	DI Leach	
880-50390-4	S-1 (3')	Soluble	Solid	DI Leach	
880-50390-5	S-1 (4')	Soluble	Solid	DI Leach	
880-50390-6	S-1 (5')	Soluble	Solid	DI Leach	
880-50390-7	S-2 (0-1')	Soluble	Solid	DI Leach	
880-50390-8	S-2 (1.5')	Soluble	Solid	DI Leach	
880-50390-9	S-2 (2')	Soluble	Solid	DI Leach	
880-50390-10	S-2 (3')	Soluble	Solid	DI Leach	
880-50390-11	S-3 (0-1')	Soluble	Solid	DI Leach	
880-50390-12	S-3 (1.5')	Soluble	Solid	DI Leach	
880-50390-13	S-3 (2')	Soluble	Solid	DI Leach	
880-50390-14	S-4 (0-1')	Soluble	Solid	DI Leach	
MB 880-94356/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-94356/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-94356/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-50390-5 MS	S-1 (4')	Soluble	Solid	DI Leach	
880-50390-5 MSD	S-1 (4')	Soluble	Solid	DI Leach	

Leach Batch: 94372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50390-15	S-4 (1.5')	Soluble	Solid	DI Leach	
880-50390-16	S-5 (0-1')	Soluble	Solid	DI Leach	
880-50390-17	S-6 (0-1')	Soluble	Solid	DI Leach	
880-50390-18	S-7 (0-1')	Soluble	Solid	DI Leach	
880-50390-19	S-8 (0-1')	Soluble	Solid	DI Leach	
880-50390-20	S-8 (1.5')	Soluble	Solid	DI Leach	
880-50390-21	S-8 (2')	Soluble	Solid	DI Leach	
MB 880-94372/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-94372/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-94372/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-50413-A-3-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-50413-A-3-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-50420-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-50420-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

HPLC/IC

Analysis Batch: 94389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50390-15	S-4 (1.5')	Soluble	Solid	300.0	94372
880-50390-16	S-5 (0-1')	Soluble	Solid	300.0	94372
880-50390-17	S-6 (0-1')	Soluble	Solid	300.0	94372
880-50390-18	S-7 (0-1')	Soluble	Solid	300.0	94372
880-50390-19	S-8 (0-1')	Soluble	Solid	300.0	94372
880-50390-20	S-8 (1.5')	Soluble	Solid	300.0	94372
880-50390-21	S-8 (2')	Soluble	Solid	300.0	94372
MB 880-94372/1-A	Method Blank	Soluble	Solid	300.0	94372
LCS 880-94372/2-A	Lab Control Sample	Soluble	Solid	300.0	94372
LCSD 880-94372/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	94372
880-50413-A-3-C MS	Matrix Spike	Soluble	Solid	300.0	94372
880-50413-A-3-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	94372
880-50420-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	94372
880-50420-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	94372

Analysis Batch: 94390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50390-1	S-1 (0-1')	Soluble	Solid	300.0	94356
880-50390-2	S-1 (1.5')	Soluble	Solid	300.0	94356
880-50390-3	S-1 (2')	Soluble	Solid	300.0	94356
880-50390-4	S-1 (3')	Soluble	Solid	300.0	94356
880-50390-5	S-1 (4')	Soluble	Solid	300.0	94356
880-50390-6	S-1 (5')	Soluble	Solid	300.0	94356
880-50390-7	S-2 (0-1')	Soluble	Solid	300.0	94356
880-50390-8	S-2 (1.5')	Soluble	Solid	300.0	94356
880-50390-9	S-2 (2')	Soluble	Solid	300.0	94356
880-50390-10	S-2 (3')	Soluble	Solid	300.0	94356
880-50390-11	S-3 (0-1')	Soluble	Solid	300.0	94356
880-50390-12	S-3 (1.5')	Soluble	Solid	300.0	94356
880-50390-13	S-3 (2')	Soluble	Solid	300.0	94356
880-50390-14	S-4 (0-1')	Soluble	Solid	300.0	94356
MB 880-94356/1-A	Method Blank	Soluble	Solid	300.0	94356
LCS 880-94356/2-A	Lab Control Sample	Soluble	Solid	300.0	94356
LCSD 880-94356/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	94356
880-50390-5 MS	S-1 (4')	Soluble	Solid	300.0	94356
880-50390-5 MSD	S-1 (4')	Soluble	Solid	300.0	94356

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (0-1')
Date Collected: 10/25/24 00:00
Date Received: 10/29/24 15:05

Lab Sample ID: 880-50390-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	94351	10/29/24 15:36	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	94303	10/29/24 18:51	MNR	EET MID
Total/NA	Prep	5035			5.03 g	5 mL	94387	10/30/24 09:04	MNR	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	94375	10/30/24 13:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94445	10/30/24 13:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			94424	10/31/24 17:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	94419	10/30/24 13:33	EL	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	94536	10/31/24 17:03	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	94356	10/29/24 15:50	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	94390	10/30/24 14:40	SMC	EET MID

Client Sample ID: S-1 (1.5')
Date Collected: 10/25/24 00:00
Date Received: 10/29/24 15:05

Lab Sample ID: 880-50390-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	94351	10/29/24 15:36	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	94303	10/29/24 19:11	MNR	EET MID
Total/NA	Prep	5035			4.95 g	5 mL	94387	10/30/24 09:04	MNR	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	94375	10/30/24 13:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94445	10/30/24 13:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			94424	10/30/24 13:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	94353	10/29/24 15:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94395	10/30/24 13:42	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	94356	10/29/24 15:50	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	94390	10/30/24 14:46	SMC	EET MID

Client Sample ID: S-1 (2')
Date Collected: 10/25/24 00:00
Date Received: 10/29/24 15:05

Lab Sample ID: 880-50390-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	94387	10/30/24 09:04	MNR	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	94375	10/30/24 13:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94445	10/30/24 13:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			94424	10/30/24 13:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	94353	10/29/24 15:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94395	10/30/24 13:58	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	94356	10/29/24 15:50	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	94390	10/30/24 14:53	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (3')
Date Collected: 10/25/24 00:00
Date Received: 10/29/24 15:05

Lab Sample ID: 880-50390-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	94387	10/30/24 09:04	MNR	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	94375	10/30/24 14:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94445	10/30/24 14:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			94424	10/31/24 17:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	94419	10/30/24 13:33	EL	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	94536	10/31/24 17:19	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	94356	10/29/24 15:50	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	94390	10/30/24 15:00	SMC	EET MID

Client Sample ID: S-1 (4')
Date Collected: 10/25/24 00:00
Date Received: 10/29/24 15:05

Lab Sample ID: 880-50390-5
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	94351	10/29/24 15:36	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	94303	10/29/24 20:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94445	10/29/24 20:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			94424	10/30/24 14:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	94353	10/29/24 15:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94395	10/30/24 14:31	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	94356	10/29/24 15:50	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	94390	10/30/24 15:07	SMC	EET MID

Client Sample ID: S-1 (5')
Date Collected: 10/25/24 00:00
Date Received: 10/29/24 15:05

Lab Sample ID: 880-50390-6
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			4.95 g	5 mL	94351	10/29/24 15:36	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	94303	10/29/24 20:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94445	10/29/24 20:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			94424	10/30/24 15:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	94353	10/29/24 15:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94395	10/30/24 15:03	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	94356	10/29/24 15:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	94390	10/30/24 15:28	SMC	EET MID

Client Sample ID: S-2 (0-1')
Date Collected: 10/25/24 00:00
Date Received: 10/29/24 15:05

Lab Sample ID: 880-50390-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	94351	10/29/24 15:36	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	94303	10/29/24 20:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94445	10/29/24 20:54	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (0-1')

Lab Sample ID: 880-50390-7

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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			94424	10/30/24 15:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	94353	10/29/24 15:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94395	10/30/24 15:20	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	94356	10/29/24 15:50	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	94390	10/30/24 15:34	SMC	EET MID

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-50390-8

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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	94387	10/30/24 09:04	MNR	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	94375	10/30/24 14:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94445	10/30/24 14:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			94424	10/31/24 17:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	94419	10/30/24 13:33	EL	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	94536	10/31/24 17:35	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	94356	10/29/24 15:50	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	94390	10/30/24 15:55	SMC	EET MID

Client Sample ID: S-2 (2')

Lab Sample ID: 880-50390-9

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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	94387	10/30/24 09:04	MNR	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	94375	10/30/24 14:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94445	10/30/24 14:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			94424	10/31/24 17:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	94419	10/30/24 13:33	EL	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	94536	10/31/24 17:51	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	94356	10/29/24 15:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	94390	10/30/24 16:02	SMC	EET MID

Client Sample ID: S-2 (3')

Lab Sample ID: 880-50390-10

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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	94351	10/29/24 15:36	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	94303	10/29/24 21:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94445	10/29/24 21:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			94424	10/30/24 16:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	94353	10/29/24 15:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94395	10/30/24 16:09	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (3')
Date Collected: 10/25/24 00:00
Date Received: 10/29/24 15:05

Lab Sample ID: 880-50390-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	94356	10/29/24 15:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	94390	10/30/24 16:08	SMC	EET MID

Client Sample ID: S-3 (0-1')
Date Collected: 10/25/24 00:00
Date Received: 10/29/24 15:05

Lab Sample ID: 880-50390-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	94381	10/30/24 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	94378	10/30/24 11:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94445	10/30/24 11:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			94424	10/30/24 16:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	94353	10/29/24 15:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94395	10/30/24 16:25	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	94356	10/29/24 15:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	94390	10/30/24 16:15	SMC	EET MID

Client Sample ID: S-3 (1.5')
Date Collected: 10/25/24 00:00
Date Received: 10/29/24 15:05

Lab Sample ID: 880-50390-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	94381	10/30/24 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	94378	10/30/24 12:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94445	10/30/24 12:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			94424	10/30/24 16:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	94353	10/29/24 15:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94395	10/30/24 16:42	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	94356	10/29/24 15:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	94390	10/30/24 16:22	SMC	EET MID

Client Sample ID: S-3 (2')
Date Collected: 10/25/24 00:00
Date Received: 10/29/24 15:05

Lab Sample ID: 880-50390-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	94381	10/30/24 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	94378	10/30/24 12:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94445	10/30/24 12:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			94424	10/30/24 16:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	94353	10/29/24 15:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94395	10/30/24 16:58	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	94356	10/29/24 15:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	94390	10/30/24 16:29	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

Client Sample ID: S-4 (0-1')
Date Collected: 10/25/24 00:00
Date Received: 10/29/24 15:05

Lab Sample ID: 880-50390-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	94381	10/30/24 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	94378	10/30/24 12:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94445	10/30/24 12:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			94424	10/30/24 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	94353	10/29/24 15:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94395	10/30/24 17:14	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	94356	10/29/24 15:50	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	94390	10/30/24 16:36	SMC	EET MID

Client Sample ID: S-4 (1.5')
Date Collected: 10/25/24 00:00
Date Received: 10/29/24 15:05

Lab Sample ID: 880-50390-15
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			5.03 g	5 mL	94381	10/30/24 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	94378	10/30/24 13:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94445	10/30/24 13:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			94424	10/30/24 17:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	94353	10/29/24 15:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94395	10/30/24 17:31	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	94372	10/30/24 07:49	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	94389	10/30/24 11:54	SMC	EET MID

Client Sample ID: S-5 (0-1')
Date Collected: 10/25/24 00:00
Date Received: 10/29/24 15:05

Lab Sample ID: 880-50390-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	94381	10/30/24 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	94378	10/30/24 13:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94445	10/30/24 13:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			94424	10/30/24 01:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	94304	10/29/24 08:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94326	10/30/24 01:09	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	94372	10/30/24 07:49	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	94389	10/30/24 12:00	SMC	EET MID

Client Sample ID: S-6 (0-1')
Date Collected: 10/25/24 00:00
Date Received: 10/29/24 15:05

Lab Sample ID: 880-50390-17
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	94381	10/30/24 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	94378	10/30/24 13:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94445	10/30/24 13:54	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

Client Sample ID: S-6 (0-1')
Date Collected: 10/25/24 00:00
Date Received: 10/29/24 15:05

Lab Sample ID: 880-50390-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			94424	10/30/24 01:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	94304	10/29/24 08:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94326	10/30/24 01:27	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	94372	10/30/24 07:49	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	94389	10/30/24 12:07	SMC	EET MID

Client Sample ID: S-7 (0-1')
Date Collected: 10/25/24 00:00
Date Received: 10/29/24 15:05

Lab Sample ID: 880-50390-18
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			5.01 g	5 mL	94381	10/30/24 08:58	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	94378	10/30/24 14:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94445	10/30/24 14:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			94424	10/30/24 01:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	94304	10/29/24 08:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94326	10/30/24 01:43	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	94372	10/30/24 07:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	94389	10/30/24 12:13	SMC	EET MID

Client Sample ID: S-8 (0-1')
Date Collected: 10/25/24 00:00
Date Received: 10/29/24 15:05

Lab Sample ID: 880-50390-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	94418	10/30/24 13:22	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	94379	10/30/24 16:59	MNR	EET MID
Total/NA	Prep	5035			4.99 g	5 mL	94381	10/30/24 08:58	MNR	EET MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	94378	10/30/24 14:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94445	10/30/24 16:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			94424	10/30/24 01:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	94304	10/29/24 08:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94326	10/30/24 01:59	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	94372	10/30/24 07:49	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	94389	10/30/24 15:02	SMC	EET MID

Client Sample ID: S-8 (1.5')
Date Collected: 10/25/24 00:00
Date Received: 10/29/24 15:05

Lab Sample ID: 880-50390-20
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			5.01 g	5 mL	94418	10/30/24 13:22	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	94379	10/30/24 17:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94445	10/30/24 17:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			94424	10/30/24 02:15	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

Client Sample ID: S-8 (1.5')
Date Collected: 10/25/24 00:00
Date Received: 10/29/24 15:05

Lab Sample ID: 880-50390-20
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	8015NM Prep			10.01 g	10 mL	94304	10/29/24 08:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94326	10/30/24 02:15	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	94372	10/30/24 07:49	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	94389	10/30/24 15:08	SMC	EET MID

Client Sample ID: S-8 (2')
Date Collected: 10/25/24 00:00
Date Received: 10/29/24 15:05

Lab Sample ID: 880-50390-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	94349	10/29/24 15:18	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	94302	10/30/24 00:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94445	10/30/24 00:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			94424	10/30/24 02:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	94304	10/29/24 08:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94326	10/30/24 02:31	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	94372	10/30/24 07:49	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	94389	10/30/24 15:14	SMC	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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

Method Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

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

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50390-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-50390-1	S-1 (0-1')	Solid	10/25/24 00:00	10/29/24 15:05
880-50390-2	S-1 (1.5')	Solid	10/25/24 00:00	10/29/24 15:05
880-50390-3	S-1 (2')	Solid	10/25/24 00:00	10/29/24 15:05
880-50390-4	S-1 (3')	Solid	10/25/24 00:00	10/29/24 15:05
880-50390-5	S-1 (4')	Solid	10/25/24 00:00	10/29/24 15:05
880-50390-6	S-1 (5')	Solid	10/25/24 00:00	10/29/24 15:05
880-50390-7	S-2 (0-1')	Solid	10/25/24 00:00	10/29/24 15:05
880-50390-8	S-2 (1.5')	Solid	10/25/24 00:00	10/29/24 15:05
880-50390-9	S-2 (2')	Solid	10/25/24 00:00	10/29/24 15:05
880-50390-10	S-2 (3')	Solid	10/25/24 00:00	10/29/24 15:05
880-50390-11	S-3 (0-1')	Solid	10/25/24 00:00	10/29/24 15:05
880-50390-12	S-3 (1.5')	Solid	10/25/24 00:00	10/29/24 15:05
880-50390-13	S-3 (2')	Solid	10/25/24 00:00	10/29/24 15:05
880-50390-14	S-4 (0-1')	Solid	10/25/24 00:00	10/29/24 15:05
880-50390-15	S-4 (1.5')	Solid	10/25/24 00:00	10/29/24 15:05
880-50390-16	S-5 (0-1')	Solid	10/25/24 00:00	10/29/24 15:05
880-50390-17	S-6 (0-1')	Solid	10/25/24 00:00	10/29/24 15:05
880-50390-18	S-7 (0-1')	Solid	10/25/24 00:00	10/29/24 15:05
880-50390-19	S-8 (0-1')	Solid	10/25/24 00:00	10/29/24 15:05
880-50390-20	S-8 (1.5')	Solid	10/25/24 00:00	10/29/24 15:05
880-50390-21	S-8 (2')	Solid	10/25/24 00:00	10/29/24 15:05

Chain of Custody

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



880-50390 Chain of Custody

Page 1 of 3

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

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

Project Name:	Lusk Deep 19 SWD	Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes	
		☐ Routine	☒ Rush														None: NO	DI Water: H ₂ O
Project Number:	2540																Cool: Cool	MeOH: Me
Project Location	Lea County, New Mexico	Due Date:		72 HR													HCL: HC	HNO ₃ : HN
Sampler's Name:	JM																H ₂ SO ₄ : H ₂	NaOH: Na
PO #:																	H ₃ PO ₄ : HP	
SAMPLE RECEIPT	Received Intact:	Temp Blank:	Yes/No	Yes/No	Wet Ice:	Yes/No											NaHSO ₄ : NABIS	
	Cooler Custody Seals:	Yes/No	N/A		Thermometer ID:												Na ₂ S ₂ O ₃ : NaSO ₃	
	Sample Custody Seals:	Yes/No	N/A		Correction Factor:												Zn Acetate+NaOH: Zn	
	Total Containers:	Yes/No			Temperature Reading:												NaOH+Ascorbic Acid: SAPC	
					Corrected Temperature:													
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments
S-1 (0-1')		10/25/2024		X		G	1	X	X	X								
S-1 (1.5')		10/25/2024		X		G	1	X	X	X								
S-1 (2')		10/25/2024		X		G	1	X	X	X								
S-1 (3')		10/25/2024		X		G	1	X	X	X								
S-1 (4')		10/25/2024		X		G	1	X	X	X								
S-1 (5')		10/25/2024		X		G	1	X	X	X								
S-2 (0-1')		10/25/2024		X		G	1	X	X	X								
S-2 (1.5')		10/25/2024		X		G	1	X	X	X								
S-2 (2')		10/25/2024		X		G	1	X	X	X								
S-2 (3')		10/25/2024		X		G	1	X	X	X								

Comments: Email to Mike Carmona / jmcarmona@carmonaresources.com and Conner Moehring / jmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			10/24/24 1505

Chain of Custody

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

Work Order No: 390

Page 2 of 3

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

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

Project Name:		Lusk Deep 19 SWD		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number:	2540	☐ Routine	☒ Rush														None: NO	DI Water: H ₂ O		
Project Location:	Lea County, New Mexico			Due Date:	72 HR												Cool: Cool	MeOH: Me		
Sampler's Name:	JIM																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: SAPC		
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments
S-3 (0-1')		10/25/2024		X		G	1	X	X	X										
S-3 (1.5')		10/25/2024		X		G	1	X	X	X										
S-3 (2')		10/25/2024		X		G	1	X	X	X										
S-4 (0-1')		10/25/2024		X		G	1	X	X	X										
S-4 (1.5')		10/25/2024		X		G	1	X	X	X										
S-5 (0-1')		10/25/2024		X		G	1	X	X	X										
S-6 (0-1')		10/25/2024		X		G	1	X	X	X										
S-7 (0-1')		10/25/2024		X		G	1	X	X	X										
S-8 (0-1')		10/25/2024		X		G	1	X	X	X										
S-8 (1.5')		10/25/2024		X		G	1	X	X	X										

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			10/26/2024 1505

Chain of Custody

Work Order No: 2010

Page 3 of 3

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

Work Order Comments
Program: UST/PS ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐
State of Project:
Reporting Level I ☐ Level III ☐ ST/UST ☐ PRP ☐ Level IV ☐
Deliverables: EDD ☐ ADAPT ☐ Other: _____

[illegible]

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

[illegible]

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-50390-1
SDG Number: Lea County, New Mexico

Login Number: 50390
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

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



Environment Testing

1

2

3

4

5

6

7

8

9

10

11

12

13

14

ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/31/2024 1:43:10 PM

JOB DESCRIPTION

Lusk Deep 19 SWD
Lea County, New Mexico

JOB NUMBER

880-50389-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
10/31/2024 1:43:10 PM

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

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Laboratory Job ID: 880-50389-1
SDG: Lea County, New Mexico

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	13
QC Sample Results	15
QC Association Summary	21
Lab Chronicle	25
Certification Summary	28
Method Summary	29
Sample Summary	30
Chain of Custody	31
Receipt Checklists	32

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50389-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	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: Lusk Deep 19 SWD

Job ID: 880-50389-1

Job ID: 880-50389-1

Eurofins Midland

Job Narrative 880-50389-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt

The samples were received on 10/29/2024 3:05 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 -1.7°C.

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-94353/2-A) and (LCSD 880-94353/3-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-94353 and analytical batch 880-94395 was outside the upper control limits.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-94355 and analytical batch 880-94359 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: H-1 (0-0.5') (880-50389-1), H-2 (0-0.5') (880-50389-2), H-3 (0-0.5') (880-50389-3), (880-50388-A-2-B), (880-50388-A-2-C MS) and (880-50388-A-2-D MSD).

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50389-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-50389-1

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/29/24 16:42	10/29/24 22:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/29/24 16:42	10/29/24 22:10	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/29/24 16:42	10/29/24 22:10	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/29/24 16:42	10/29/24 22:10	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/29/24 16:42	10/29/24 22:10	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/29/24 16:42	10/29/24 22:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	10/29/24 16:42	10/29/24 22:10	1
1,4-Difluorobenzene (Surr)	95		70 - 130	10/29/24 16:42	10/29/24 22:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/29/24 22:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/30/24 01:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/29/24 15:41	10/30/24 01:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/29/24 15:41	10/30/24 01:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/29/24 15:41	10/30/24 01:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	10/29/24 15:41	10/30/24 01:43	1
o-Terphenyl	78		70 - 130	10/29/24 15:41	10/30/24 01:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	82.9		10.0		mg/Kg			10/30/24 13:27	1

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

Lab Sample ID: 880-50389-2

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/29/24 16:42	10/29/24 22:30	1
Toluene	0.00654		0.00198		mg/Kg		10/29/24 16:42	10/29/24 22:30	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/29/24 16:42	10/29/24 22:30	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/29/24 16:42	10/29/24 22:30	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/29/24 16:42	10/29/24 22:30	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/29/24 16:42	10/29/24 22:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	10/29/24 16:42	10/29/24 22:30	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/29/24 16:42	10/29/24 22:30	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50389-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-50389-2

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00654		0.00396		mg/Kg			10/29/24 22:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/30/24 01:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/29/24 15:41	10/30/24 01:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/29/24 15:41	10/30/24 01:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/29/24 15:41	10/30/24 01:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				10/29/24 15:41	10/30/24 01:59	1
o-Terphenyl	78		70 - 130				10/29/24 15:41	10/30/24 01:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	91.7		10.0		mg/Kg			10/30/24 13:32	1

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

Lab Sample ID: 880-50389-3

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00514		0.00201		mg/Kg		10/29/24 16:42	10/29/24 22:51	1
Toluene	0.0248		0.00201		mg/Kg		10/29/24 16:42	10/29/24 22:51	1
Ethylbenzene	0.00428		0.00201		mg/Kg		10/29/24 16:42	10/29/24 22:51	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/29/24 16:42	10/29/24 22:51	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/29/24 16:42	10/29/24 22:51	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/29/24 16:42	10/29/24 22:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				10/29/24 16:42	10/29/24 22:51	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/29/24 16:42	10/29/24 22:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0342		0.00402		mg/Kg			10/29/24 22:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/30/24 02:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/29/24 15:41	10/30/24 02:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/29/24 15:41	10/30/24 02:15	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50389-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-50389-3

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/29/24 15:41	10/30/24 02:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				10/29/24 15:41	10/30/24 02:15	1
o-Terphenyl	90		70 - 130				10/29/24 15:41	10/30/24 02:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99.6		10.0		mg/Kg			10/30/24 13:36	1

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

Lab Sample ID: 880-50389-4

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/29/24 16:42	10/29/24 23:11	1
Toluene	0.00813		0.00200		mg/Kg		10/29/24 16:42	10/29/24 23:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/29/24 16:42	10/29/24 23:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/29/24 16:42	10/29/24 23:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/29/24 16:42	10/29/24 23:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/29/24 16:42	10/29/24 23:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				10/29/24 16:42	10/29/24 23:11	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/29/24 16:42	10/29/24 23:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00813		0.00399		mg/Kg			10/29/24 23:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/30/24 02:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/29/24 15:41	10/30/24 02:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/29/24 15:41	10/30/24 02:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/29/24 15:41	10/30/24 02:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				10/29/24 15:41	10/30/24 02:31	1
o-Terphenyl	84		70 - 130				10/29/24 15:41	10/30/24 02:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	103		9.96		mg/Kg			10/30/24 13:31	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50389-1
SDG: Lea County, New Mexico

Client Sample ID: H-5 (0-0.5')

Lab Sample ID: 880-50389-5

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/29/24 16:42	10/29/24 23:32	1
Toluene	0.00320		0.00199		mg/Kg		10/29/24 16:42	10/29/24 23:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/29/24 16:42	10/29/24 23:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/29/24 16:42	10/29/24 23:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/29/24 16:42	10/29/24 23:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/29/24 16:42	10/29/24 23:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	10/29/24 16:42	10/29/24 23:32	1
1,4-Difluorobenzene (Surr)	96		70 - 130	10/29/24 16:42	10/29/24 23:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/29/24 23:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/30/24 11:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/29/24 15:44	10/30/24 11:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/29/24 15:44	10/30/24 11:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/29/24 15:44	10/30/24 11:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	10/29/24 15:44	10/30/24 11:32	1
o-Terphenyl	112		70 - 130	10/29/24 15:44	10/30/24 11:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.5		10.0		mg/Kg			10/30/24 13:52	1

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

Lab Sample ID: 880-50389-6

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/29/24 16:42	10/29/24 23:52	1
Toluene	0.0143		0.00202		mg/Kg		10/29/24 16:42	10/29/24 23:52	1
Ethylbenzene	0.00322		0.00202		mg/Kg		10/29/24 16:42	10/29/24 23:52	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/29/24 16:42	10/29/24 23:52	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/29/24 16:42	10/29/24 23:52	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/29/24 16:42	10/29/24 23:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	10/29/24 16:42	10/29/24 23:52	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/29/24 16:42	10/29/24 23:52	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50389-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-50389-6

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0175		0.00404		mg/Kg			10/29/24 23:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/30/24 12:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/29/24 15:44	10/30/24 12:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/29/24 15:44	10/30/24 12:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/29/24 15:44	10/30/24 12:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				10/29/24 15:44	10/30/24 12:20	1
o-Terphenyl	100		70 - 130				10/29/24 15:44	10/30/24 12:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		9.96		mg/Kg			10/30/24 13:59	1

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

Lab Sample ID: 880-50389-7

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/29/24 16:42	10/30/24 00:13	1
Toluene	0.0130		0.00199		mg/Kg		10/29/24 16:42	10/30/24 00:13	1
Ethylbenzene	0.00387		0.00199		mg/Kg		10/29/24 16:42	10/30/24 00:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/29/24 16:42	10/30/24 00:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/29/24 16:42	10/30/24 00:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/29/24 16:42	10/30/24 00:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				10/29/24 16:42	10/30/24 00:13	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/29/24 16:42	10/30/24 00:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0169		0.00398		mg/Kg			10/30/24 00:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/30/24 12:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/29/24 15:44	10/30/24 12:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/29/24 15:44	10/30/24 12:37	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50389-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-50389-7

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/29/24 15:44	10/30/24 12:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				10/29/24 15:44	10/30/24 12:37	1
o-Terphenyl	105		70 - 130				10/29/24 15:44	10/30/24 12:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	124		9.96		mg/Kg			10/30/24 14:05	1

Client Sample ID: H-8 (0-0.5')

Lab Sample ID: 880-50389-8

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/29/24 16:42	10/30/24 00:33	1
Toluene	0.00877		0.00200		mg/Kg		10/29/24 16:42	10/30/24 00:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/29/24 16:42	10/30/24 00:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/29/24 16:42	10/30/24 00:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/29/24 16:42	10/30/24 00:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/29/24 16:42	10/30/24 00:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				10/29/24 16:42	10/30/24 00:33	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/29/24 16:42	10/30/24 00:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00877		0.00399		mg/Kg			10/30/24 00:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/30/24 12:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/29/24 15:44	10/30/24 12:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/29/24 15:44	10/30/24 12:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/29/24 15:44	10/30/24 12:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				10/29/24 15:44	10/30/24 12:53	1
o-Terphenyl	111		70 - 130				10/29/24 15:44	10/30/24 12:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	100		9.92		mg/Kg			10/30/24 14:12	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50389-1
SDG: Lea County, New Mexico

Client Sample ID: H-9 (0-0.5')

Lab Sample ID: 880-50389-9

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00381		0.00200		mg/Kg		10/29/24 16:42	10/30/24 00:54	1
Toluene	0.00907		0.00200		mg/Kg		10/29/24 16:42	10/30/24 00:54	1
Ethylbenzene	0.00210		0.00200		mg/Kg		10/29/24 16:42	10/30/24 00:54	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/29/24 16:42	10/30/24 00:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/29/24 16:42	10/30/24 00:54	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/29/24 16:42	10/30/24 00:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				10/29/24 16:42	10/30/24 00:54	1
1,4-Difluorobenzene (Surr)	99		70 - 130				10/29/24 16:42	10/30/24 00:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0150		0.00401		mg/Kg			10/30/24 00:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/30/24 13:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/29/24 15:44	10/30/24 13:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/29/24 15:44	10/30/24 13:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/29/24 15:44	10/30/24 13:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				10/29/24 15:44	10/30/24 13:09	1
o-Terphenyl	105		70 - 130				10/29/24 15:44	10/30/24 13:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	97.5		9.94		mg/Kg			10/30/24 14:33	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50389-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-50389-1	H-1 (0-0.5')	118	95
880-50389-1 MS	H-1 (0-0.5')	107	102
880-50389-1 MSD	H-1 (0-0.5')	116	102
880-50389-2	H-2 (0-0.5')	97	100
880-50389-3	H-3 (0-0.5')	99	101
880-50389-4	H-4 (0-0.5')	100	101
880-50389-5	H-5 (0-0.5')	114	96
880-50389-6	H-6 (0-0.5')	102	100
880-50389-7	H-7 (0-0.5')	100	101
880-50389-8	H-8 (0-0.5')	102	100
880-50389-9	H-9 (0-0.5')	110	99
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB2 (70-130)	DFBZ2 (70-130)
LCS 880-94358/1-A	Lab Control Sample	104	102
LCSD 880-94358/2-A	Lab Control Sample Dup	102	102
MB 880-94300/8	Method Blank	97	97
MB 880-94358/5-A	Method Blank	95	96
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-50389-1	H-1 (0-0.5')	96	78
880-50389-2	H-2 (0-0.5')	95	78
880-50389-3	H-3 (0-0.5')	109	90
880-50389-4	H-4 (0-0.5')	106	84
880-50389-5	H-5 (0-0.5')	123	112
880-50389-5 MS	H-5 (0-0.5')	109	109
880-50389-5 MSD	H-5 (0-0.5')	108	109
880-50389-6	H-6 (0-0.5')	104	100
880-50389-7	H-7 (0-0.5')	112	105
880-50389-8	H-8 (0-0.5')	118	111
880-50389-9	H-9 (0-0.5')	113	105
LCS 880-94352/2-A	Lab Control Sample	112	97
LCS 880-94353/2-A	Lab Control Sample	167 S1+	173 S1+
LCSD 880-94352/3-A	Lab Control Sample Dup	114	99

Eurofins Midland

Surrogate Summary

Client: Carmona Resources

Project/Site: Lusk Deep 19 SWD

Job ID: 880-50389-1

SDG: Lea County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
LCSD 880-94353/3-A	Lab Control Sample Dup	169 S1+	170 S1+
MB 880-94352/1-A	Method Blank	124	97
MB 880-94353/1-A	Method Blank	157 S1+	148 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50389-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-94300/8

Matrix: Solid

Analysis Batch: 94300

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg			10/29/24 11:21	1
Toluene	<0.00200	U	0.00200		mg/Kg			10/29/24 11:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			10/29/24 11:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg			10/29/24 11:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg			10/29/24 11:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			10/29/24 11:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		10/29/24 11:21	1
1,4-Difluorobenzene (Surr)	97		70 - 130		10/29/24 11:21	1

Lab Sample ID: MB 880-94358/5-A

Matrix: Solid

Analysis Batch: 94300

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 94358

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/29/24 16:42	10/29/24 21:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/29/24 16:42	10/29/24 21:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/29/24 16:42	10/29/24 21:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/29/24 16:42	10/29/24 21:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/29/24 16:42	10/29/24 21:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/29/24 16:42	10/29/24 21:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	10/29/24 16:42	10/29/24 21:48	1
1,4-Difluorobenzene (Surr)	96		70 - 130	10/29/24 16:42	10/29/24 21:48	1

Lab Sample ID: LCS 880-94358/1-A

Matrix: Solid

Analysis Batch: 94300

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 94358

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09086		mg/Kg		91	70 - 130
Toluene	0.100	0.09000		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.09787		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.1803		mg/Kg		90	70 - 130
o-Xylene	0.100	0.09944		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-94358/2-A

Matrix: Solid

Analysis Batch: 94300

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 94358

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09088		mg/Kg		91	70 - 130	0	35

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50389-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-94358/2-A

Matrix: Solid

Analysis Batch: 94300

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 94358

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits			
Toluene	0.100	0.08977		mg/Kg		90	70 - 130		0	35
Ethylbenzene	0.100	0.09801		mg/Kg		98	70 - 130		0	35
m-Xylene & p-Xylene	0.200	0.1800		mg/Kg		90	70 - 130		0	35
o-Xylene	0.100	0.1001		mg/Kg		100	70 - 130		1	35

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

Lab Sample ID: 880-50389-1 MS

Matrix: Solid

Analysis Batch: 94300

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

Prep Type: Total/NA

Prep Batch: 94358

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	
Benzene	<0.00201	U	0.100	0.08534		mg/Kg		83	70 - 130	
Toluene	<0.00201	U	0.100	0.08459		mg/Kg		85	70 - 130	
Ethylbenzene	<0.00201	U	0.100	0.08938		mg/Kg		89	70 - 130	
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1650		mg/Kg		82	70 - 130	
o-Xylene	<0.00201	U	0.100	0.08982		mg/Kg		90	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-50389-1 MSD

Matrix: Solid

Analysis Batch: 94300

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

Prep Type: Total/NA

Prep Batch: 94358

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits			
Benzene	<0.00201	U	0.100	0.07472		mg/Kg		73	70 - 130		13	35
Toluene	<0.00201	U	0.100	0.07392		mg/Kg		74	70 - 130		13	35
Ethylbenzene	<0.00201	U	0.100	0.08044		mg/Kg		80	70 - 130		11	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1565		mg/Kg		78	70 - 130		5	35
o-Xylene	<0.00201	U	0.100	0.07838		mg/Kg		78	70 - 130		14	35

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

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

Lab Sample ID: MB 880-94352/1-A

Matrix: Solid

Analysis Batch: 94324

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 94352

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/29/24 15:39	10/29/24 19:35	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50389-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-94352/1-A

Matrix: Solid

Analysis Batch: 94324

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 94352

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/29/24 15:39	10/29/24 19:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/29/24 15:39	10/29/24 19:35	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	124		70 - 130				10/29/24 15:39	10/29/24 19:35	1
o-Terphenyl	97		70 - 130				10/29/24 15:39	10/29/24 19:35	1

Lab Sample ID: LCS 880-94352/2-A

Matrix: Solid

Analysis Batch: 94324

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 94352

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1028		mg/Kg		103	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	765.0		mg/Kg		76	70 - 130		
Surrogate	LCS	LCS	Limits						
	%Recovery	Qualifier							
1-Chlorooctane	112		70 - 130						
o-Terphenyl	97		70 - 130						

Lab Sample ID: LCSD 880-94352/3-A

Matrix: Solid

Analysis Batch: 94324

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 94352

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1042		mg/Kg		104	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	780.1		mg/Kg		78	70 - 130	2	20
Surrogate	LCSD	LCSD	Limits						
	%Recovery	Qualifier							
1-Chlorooctane	114		70 - 130						
o-Terphenyl	99		70 - 130						

Lab Sample ID: MB 880-94353/1-A

Matrix: Solid

Analysis Batch: 94395

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 94353

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/29/24 15:42	10/30/24 03:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/29/24 15:42	10/30/24 03:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/29/24 15:42	10/30/24 03:52	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	157	S1+	70 - 130				10/29/24 15:42	10/30/24 03:52	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50389-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-94353/1-A
Matrix: Solid
Analysis Batch: 94395

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 94353

Surrogate	MB MB		Limits	Prepared		Dil Fac
	%Recovery	Qualifier				
<i>o</i> -Terphenyl	148	S1+	70 - 130	10/29/24 15:42	10/30/24 03:52	1

Lab Sample ID: LCS 880-94353/2-A
Matrix: Solid
Analysis Batch: 94395

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 94353

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	1073		mg/Kg		107	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1067		mg/Kg		107	70 - 130	
Surrogate	LCS LCS		Limits					
	%Recovery	Qualifier						
1-Chlorooctane	167	S1+	70 - 130					
<i>o</i> -Terphenyl	173	S1+	70 - 130					

Lab Sample ID: LCSD 880-94353/3-A
Matrix: Solid
Analysis Batch: 94395

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 94353

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1097		mg/Kg		110	70 - 130		2	20
Diesel Range Organics (Over C10-C28)	1000	1034		mg/Kg		103	70 - 130		3	20
Surrogate	LCSD LCSD		Limits							
	%Recovery	Qualifier								
1-Chlorooctane	169	S1+	70 - 130							
<i>o</i> -Terphenyl	170	S1+	70 - 130							

Lab Sample ID: 880-50389-5 MS
Matrix: Solid
Analysis Batch: 94395

Client Sample ID: H-5 (0-0.5')
Prep Type: Total/NA
Prep Batch: 94353

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	999	832.2		mg/Kg		83	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	999	850.2		mg/Kg		85	70 - 130	
Surrogate	MS MS		Limits							
	%Recovery	Qualifier								
1-Chlorooctane	109		70 - 130							
<i>o</i> -Terphenyl	109		70 - 130							

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50389-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-50389-5 MSD

Matrix: Solid

Analysis Batch: 94395

Client Sample ID: H-5 (0-0.5')

Prep Type: Total/NA

Prep Batch: 94353

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	847.9		mg/Kg		85	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	852.2		mg/Kg		85	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	108		70 - 130								
o-Terphenyl	109		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-94355/1-A

Matrix: Solid

Analysis Batch: 94359

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			10/30/24 08:24	1

Lab Sample ID: LCS 880-94355/2-A

Matrix: Solid

Analysis Batch: 94359

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	237.9		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-94355/3-A

Matrix: Solid

Analysis Batch: 94359

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	235.9		mg/Kg		94	90 - 110	1	20

Lab Sample ID: 880-50388-A-2-C MS

Matrix: Solid

Analysis Batch: 94359

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	110	F1	249	323.6	F1	mg/Kg		86	90 - 110

Lab Sample ID: 880-50388-A-2-D MSD

Matrix: Solid

Analysis Batch: 94359

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	110	F1	249	321.9	F1	mg/Kg		85	90 - 110	1	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50389-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-94356/1-A

Matrix: Solid

Analysis Batch: 94390

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			10/30/24 13:11	1

Lab Sample ID: LCS 880-94356/2-A

Matrix: Solid

Analysis Batch: 94390

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	251.2		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-94356/3-A

Matrix: Solid

Analysis Batch: 94390

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	255.7		mg/Kg		102	90 - 110	2	20

Lab Sample ID: 880-50389-4 MS

Matrix: Solid

Analysis Batch: 94390

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	103		249	363.7		mg/Kg		105	90 - 110

Lab Sample ID: 880-50389-4 MSD

Matrix: Solid

Analysis Batch: 94390

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	103		249	367.5		mg/Kg		106	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50389-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 94300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50389-1	H-1 (0-0.5')	Total/NA	Solid	8021B	94358
880-50389-2	H-2 (0-0.5')	Total/NA	Solid	8021B	94358
880-50389-3	H-3 (0-0.5')	Total/NA	Solid	8021B	94358
880-50389-4	H-4 (0-0.5')	Total/NA	Solid	8021B	94358
880-50389-5	H-5 (0-0.5')	Total/NA	Solid	8021B	94358
880-50389-6	H-6 (0-0.5')	Total/NA	Solid	8021B	94358
880-50389-7	H-7 (0-0.5')	Total/NA	Solid	8021B	94358
880-50389-8	H-8 (0-0.5')	Total/NA	Solid	8021B	94358
880-50389-9	H-9 (0-0.5')	Total/NA	Solid	8021B	94358
MB 880-94300/8	Method Blank	Total/NA	Solid	8021B	
MB 880-94358/5-A	Method Blank	Total/NA	Solid	8021B	94358
LCS 880-94358/1-A	Lab Control Sample	Total/NA	Solid	8021B	94358
LCSD 880-94358/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	94358
880-50389-1 MS	H-1 (0-0.5')	Total/NA	Solid	8021B	94358
880-50389-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8021B	94358

Prep Batch: 94358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50389-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-50389-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-50389-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-50389-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-50389-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-50389-6	H-6 (0-0.5')	Total/NA	Solid	5035	
880-50389-7	H-7 (0-0.5')	Total/NA	Solid	5035	
880-50389-8	H-8 (0-0.5')	Total/NA	Solid	5035	
880-50389-9	H-9 (0-0.5')	Total/NA	Solid	5035	
MB 880-94358/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-94358/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-94358/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-50389-1 MS	H-1 (0-0.5')	Total/NA	Solid	5035	
880-50389-1 MSD	H-1 (0-0.5')	Total/NA	Solid	5035	

Analysis Batch: 94436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50389-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-50389-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-50389-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-50389-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-50389-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-50389-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-50389-7	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	
880-50389-8	H-8 (0-0.5')	Total/NA	Solid	Total BTEX	
880-50389-9	H-9 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 94324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50389-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	94352
880-50389-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	94352

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50389-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 94324 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50389-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	94352
880-50389-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	94352
MB 880-94352/1-A	Method Blank	Total/NA	Solid	8015B NM	94352
LCS 880-94352/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	94352
LCSD 880-94352/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	94352

Prep Batch: 94352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50389-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-50389-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-50389-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-50389-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-94352/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-94352/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-94352/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 94353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50389-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-50389-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-50389-7	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-50389-8	H-8 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-50389-9	H-9 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-94353/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-94353/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-94353/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-50389-5 MS	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-50389-5 MSD	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 94395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50389-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	94353
880-50389-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	94353
880-50389-7	H-7 (0-0.5')	Total/NA	Solid	8015B NM	94353
880-50389-8	H-8 (0-0.5')	Total/NA	Solid	8015B NM	94353
880-50389-9	H-9 (0-0.5')	Total/NA	Solid	8015B NM	94353
MB 880-94353/1-A	Method Blank	Total/NA	Solid	8015B NM	94353
LCS 880-94353/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	94353
LCSD 880-94353/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	94353
880-50389-5 MS	H-5 (0-0.5')	Total/NA	Solid	8015B NM	94353
880-50389-5 MSD	H-5 (0-0.5')	Total/NA	Solid	8015B NM	94353

Analysis Batch: 94428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50389-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-50389-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-50389-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-50389-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-50389-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-50389-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-50389-7	H-7 (0-0.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50389-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 94428 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50389-8	H-8 (0-0.5')	Total/NA	Solid	8015 NM	
880-50389-9	H-9 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 94355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50389-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-50389-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-50389-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-94355/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-94355/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-94355/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-50388-A-2-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-50388-A-2-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 94356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50389-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-50389-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-50389-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-50389-7	H-7 (0-0.5')	Soluble	Solid	DI Leach	
880-50389-8	H-8 (0-0.5')	Soluble	Solid	DI Leach	
880-50389-9	H-9 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-94356/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-94356/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-94356/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-50389-4 MS	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-50389-4 MSD	H-4 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 94359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50389-1	H-1 (0-0.5')	Soluble	Solid	300.0	94355
880-50389-2	H-2 (0-0.5')	Soluble	Solid	300.0	94355
880-50389-3	H-3 (0-0.5')	Soluble	Solid	300.0	94355
MB 880-94355/1-A	Method Blank	Soluble	Solid	300.0	94355
LCS 880-94355/2-A	Lab Control Sample	Soluble	Solid	300.0	94355
LCSD 880-94355/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	94355
880-50388-A-2-C MS	Matrix Spike	Soluble	Solid	300.0	94355
880-50388-A-2-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	94355

Analysis Batch: 94390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50389-4	H-4 (0-0.5')	Soluble	Solid	300.0	94356
880-50389-5	H-5 (0-0.5')	Soluble	Solid	300.0	94356
880-50389-6	H-6 (0-0.5')	Soluble	Solid	300.0	94356
880-50389-7	H-7 (0-0.5')	Soluble	Solid	300.0	94356
880-50389-8	H-8 (0-0.5')	Soluble	Solid	300.0	94356
880-50389-9	H-9 (0-0.5')	Soluble	Solid	300.0	94356
MB 880-94356/1-A	Method Blank	Soluble	Solid	300.0	94356
LCS 880-94356/2-A	Lab Control Sample	Soluble	Solid	300.0	94356

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50389-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 94390 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-94356/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	94356
880-50389-4 MS	H-4 (0-0.5')	Soluble	Solid	300.0	94356
880-50389-4 MSD	H-4 (0-0.5')	Soluble	Solid	300.0	94356

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

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50389-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-50389-1

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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	94358	10/29/24 16:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	94300	10/29/24 22:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94436	10/29/24 22:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			94428	10/30/24 01:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	94352	10/29/24 15:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94324	10/30/24 01:43	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	94355	10/29/24 15:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	94359	10/30/24 13:27	SMC	EET MID

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

Lab Sample ID: 880-50389-2

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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	94358	10/29/24 16:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	94300	10/29/24 22:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94436	10/29/24 22:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			94428	10/30/24 01:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	94352	10/29/24 15:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94324	10/30/24 01:59	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	94355	10/29/24 15:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	94359	10/30/24 13:32	SMC	EET MID

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

Lab Sample ID: 880-50389-3

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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	94358	10/29/24 16:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	94300	10/29/24 22:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94436	10/29/24 22:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			94428	10/30/24 02:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	94352	10/29/24 15:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94324	10/30/24 02:15	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	94355	10/29/24 15:47	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	94359	10/30/24 13:36	SMC	EET MID

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

Lab Sample ID: 880-50389-4

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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	94358	10/29/24 16:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	94300	10/29/24 23:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94436	10/29/24 23:11	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50389-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-50389-4

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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			94428	10/30/24 02:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	94352	10/29/24 15:41	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94324	10/30/24 02:31	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	94356	10/29/24 15:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	94390	10/30/24 13:31	SMC	EET MID

Client Sample ID: H-5 (0-0.5')

Lab Sample ID: 880-50389-5

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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	94358	10/29/24 16:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	94300	10/29/24 23:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94436	10/29/24 23:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			94428	10/30/24 11:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	94353	10/29/24 15:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94395	10/30/24 11:32	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	94356	10/29/24 15:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	94390	10/30/24 13:52	SMC	EET MID

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

Lab Sample ID: 880-50389-6

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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	94358	10/29/24 16:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	94300	10/29/24 23:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94436	10/29/24 23:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			94428	10/30/24 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	94353	10/29/24 15:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94395	10/30/24 12:20	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	94356	10/29/24 15:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	94390	10/30/24 13:59	SMC	EET MID

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

Lab Sample ID: 880-50389-7

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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	94358	10/29/24 16:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	94300	10/30/24 00:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94436	10/30/24 00:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			94428	10/30/24 12:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	94353	10/29/24 15:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94395	10/30/24 12:37	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50389-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-50389-7

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	94356	10/29/24 15:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	94390	10/30/24 14:05	SMC	EET MID

Client Sample ID: H-8 (0-0.5')

Lab Sample ID: 880-50389-8

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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	94358	10/29/24 16:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	94300	10/30/24 00:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94436	10/30/24 00:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			94428	10/30/24 12:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	94353	10/29/24 15:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94395	10/30/24 12:53	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	94356	10/29/24 15:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	94390	10/30/24 14:12	SMC	EET MID

Client Sample ID: H-9 (0-0.5')

Lab Sample ID: 880-50389-9

Date Collected: 10/25/24 00:00

Matrix: Solid

Date Received: 10/29/24 15:05

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	94358	10/29/24 16:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	94300	10/30/24 00:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94436	10/30/24 00:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			94428	10/30/24 13:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	94353	10/29/24 15:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94395	10/30/24 13:09	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	94356	10/29/24 15:50	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	94390	10/30/24 14:33	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50389-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50389-1
SDG: Lea County, New Mexico

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

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-50389-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-50389-1	H-1 (0-0.5')	Solid	10/25/24 00:00	10/29/24 15:05
880-50389-2	H-2 (0-0.5')	Solid	10/25/24 00:00	10/29/24 15:05
880-50389-3	H-3 (0-0.5')	Solid	10/25/24 00:00	10/29/24 15:05
880-50389-4	H-4 (0-0.5')	Solid	10/25/24 00:00	10/29/24 15:05
880-50389-5	H-5 (0-0.5')	Solid	10/25/24 00:00	10/29/24 15:05
880-50389-6	H-6 (0-0.5')	Solid	10/25/24 00:00	10/29/24 15:05
880-50389-7	H-7 (0-0.5')	Solid	10/25/24 00:00	10/29/24 15:05
880-50389-8	H-8 (0-0.5')	Solid	10/25/24 00:00	10/29/24 15:05
880-50389-9	H-9 (0-0.5')	Solid	10/25/24 00:00	10/29/24 15:05

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

Chain of Custody



880-50389 Chain of Custody

Page 1 of 1

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

Program: ☐ ST/PST ☐ PRP ☐ Ironfields ☐ IRC ☐ perfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

ANALYSIS REQUEST										
Project Name:	Project Number:	Project Location:	Sampler's Name:	PO #:	Turn Around	Pres. Code	Parameters			Preservative Codes
Lusk Deep 19 SWD	2540	Lea County, New Mexico	JM		☐ Routine ☒ Rush					None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
					Due Date:					
					72 HR					
SAMPLE RECEIPT					Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐		
Received Intact:					Thermometer ID:		Correction Factor:			
Cooler Custody Seals:					Yes ☒ No ☐		Temperature Reading:			
Sample Custody Seals:					Yes ☒ No ☐		Corrected Temperature:			
Total Containers:										
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont				
H-1 (0-0.5')	10/25/2024		X		G	1	X	X	X	
H-2 (0-0.5')	10/25/2024		X		G	1	X	X	X	
H-3 (0-0.5')	10/25/2024		X		G	1	X	X	X	
H-4 (0-0.5')	10/25/2024		X		G	1	X	X	X	
H-5 (0-0.5')	10/25/2024		X		G	1	X	X	X	
H-6 (0-0.5')	10/25/2024		X		G	1	X	X	X	
H-7 (0-0.5')	10/25/2024		X		G	1	X	X	X	
H-8 (0-0.5')	10/25/2024		X		G	1	X	X	X	
H-9 (0-0.5')	10/25/2024		X		G	1	X	X	X	

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
			10/29/24 1505

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-50389-1
SDG Number: Lea County, New Mexico

Login Number: 50389
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

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



Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/21/2024 3:29:41 PM

JOB DESCRIPTION

Lusk Deep 19 SWD
2540 Lea County, New Mexico

JOB NUMBER

880-51174-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.



Eurofins Midland

Job Notes

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

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

Authorization



Generated
11/21/2024 3:29:41 PM

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

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Laboratory Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	6
Client Sample Results	9
Surrogate Summary	52
QC Sample Results	57
QC Association Summary	82
Lab Chronicle	98
Certification Summary	117
Method Summary	118
Sample Summary	119
Chain of Custody	121
Receipt Checklists	127

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

Definitions/Glossary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Definitions/Glossary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Glossary (Continued)

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

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

Case Narrative

Client: Carmona Resources
Project: Lusk Deep 19 SWD

Job ID: 880-51174-1

Job ID: 880-51174-1

Eurofins Midland

Job Narrative
880-51174-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt

The samples were received on 11/18/2024 11:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -3.8°C.

GC VOA

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-95992 and analytical batch 880-95906 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-5 (2') (880-51174-41), (CCV 880-96053/2), (LCS 880-96015/1-A), (LCSD 880-96015/2-A), (MB 880-96015/5-A), (880-51174-A-41-C MS) and (880-51174-A-41-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-1 (0-1') (880-51174-1), T-1 (1.5') (880-51174-2), T-1 (2) (880-51174-3), T-1 (5') (880-51174-6), T-2 (0-1') (880-51174-10), T-2 (2') (880-51174-12), T-2 (3') (880-51174-13) and T-2 (5') (880-51174-15). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-5 (3') (880-51174-42), T-5 (4') (880-51174-43), T-5 (5') (880-51174-44), T-5 (6') (880-51174-45) and T-5 (7') (880-51174-46). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-2 (1.5') (880-51174-11) and T-2 (4') (880-51174-14). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-6 (0-1') (880-51174-49) and T-6 (1.5') (880-51174-50). Evidence of matrix interferences is not obvious.

Method 8021B: The following samples were diluted due to the nature of the sample matrix: T-6 (0-1') (880-51174-49) and T-6 (1.5') (880-51174-50). Elevated reporting limits (RLs) are provided.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-2 (3') (880-51174-13), T-2 (4') (880-51174-14), T-6 (0-1') (880-51174-49), T-6 (3') (880-51174-52) and T-6 (4') (880-51174-53). Evidence of matrix interferences is not obvious.

Method 8021B: The following samples were diluted due to the nature of the sample matrix: T-6 (3') (880-51174-52) and T-6 (4') (880-51174-53). Elevated reporting limits (RLs) are provided.

Method 8021B: Surrogate recovery for the following sample was outside control limits: T-2 (2') (880-51174-12). 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.

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-95837/2-A) and (LCSD 880-95837/3-A). Evidence of matrix interferences is not obvious.

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project: Lusk Deep 19 SWD

Job ID: 880-51174-1

Job ID: 880-51174-1 (Continued)

Eurofins Midland

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-95837 and analytical batch 880-96065 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: T-1 (0-1') (880-51174-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-95837 and analytical batch 880-96065 was outside the control limits.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: T-4 (2') (880-51174-33) and (LCSD 880-96010/3-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-96010 and analytical batch 880-96067 recovered outside control limits for the following analytes: C6-C10 and Over C10-C28.

Method 8015MOD_NM: The method blank for preparation batch 880-96009 and analytical batch 880-96104 contained Over C10-C28 above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-1 (1.5') (880-51174-2), T-1 (2') (880-51174-3), T-2 (1.5') (880-51174-11), T-2 (4') (880-51174-14) and T-2 (5') (880-51174-15). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: T-3 (0-1') (880-51174-20). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-96170 and analytical batch 880-96172 was outside the control limits.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-96104 recovered below the lower control limit for Over C10-C28. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-96104/21).

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-51287-A-1-A), (880-51287-A-1-B MS) and (880-51287-A-1-C MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-96011 and analytical batch 880-96174 was outside the upper control limits.

Method 8015MOD_NM: The method blank for preparation batch 880-96011 and analytical batch 880-96174 contained Over C10-C28 above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-96011/2-A) and (LCSD 880-96011/3-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: T-5 (4') (880-51174-43). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: T-6 (0-1') (880-51174-49). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-2 (0-1') (880-51174-10), T-2 (2') (880-51174-12) and T-2 (3') (880-51174-13). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project: Lusk Deep 19 SWD

Job ID: 880-51174-1

Job ID: 880-51174-1 (Continued)**Eurofins Midland**

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-96172 exhibited % difference of > 20% for the following analyte(s) 1-Chlorooctane and o-Terphenyl. These results are within the acceptance limits but exceed the performance criteria.

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 - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-95998 and analytical batch 880-96024 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-96005 and analytical batch 880-96027 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-96006 and analytical batch 880-96028 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-96007 and analytical batch 880-96029 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

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

Lab Sample ID: 880-51174-1

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.247		0.0495		mg/Kg		11/19/24 09:03	11/19/24 12:59	25
Toluene	3.15		0.0495		mg/Kg		11/19/24 09:03	11/19/24 12:59	25
Ethylbenzene	4.65		0.0495		mg/Kg		11/19/24 09:03	11/19/24 12:59	25
m-Xylene & p-Xylene	6.84		0.0990		mg/Kg		11/19/24 09:03	11/19/24 12:59	25
o-Xylene	3.51		0.0495		mg/Kg		11/19/24 09:03	11/19/24 12:59	25
Xylenes, Total	10.4		0.0990		mg/Kg		11/19/24 09:03	11/19/24 12:59	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	241	S1+	70 - 130	11/19/24 09:03	11/19/24 12:59	25
1,4-Difluorobenzene (Surr)	94		70 - 130	11/19/24 09:03	11/19/24 12:59	25

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	18.4		0.0990		mg/Kg			11/19/24 12:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	7050		49.7		mg/Kg			11/20/24 02:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	299	+	49.7		mg/Kg		11/15/24 14:39	11/20/24 02:16	1
Over C10-C28	6750		49.7		mg/Kg		11/15/24 14:39	11/20/24 02:16	1
Over C28-C36	<49.7	U	49.7		mg/Kg		11/15/24 14:39	11/20/24 02:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130	11/15/24 14:39	11/20/24 02:16	1
o-Terphenyl	225	S1+	70 - 130	11/15/24 14:39	11/20/24 02:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11200		201		mg/Kg			11/19/24 00:42	20

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-51174-2

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.92		0.0499		mg/Kg		11/19/24 09:03	11/19/24 13:20	25
Toluene	34.0		0.504		mg/Kg		11/20/24 09:42	11/20/24 13:30	250
Ethylbenzene	33.2		0.504		mg/Kg		11/20/24 09:42	11/20/24 13:30	250
m-Xylene & p-Xylene	40.8		1.01		mg/Kg		11/20/24 09:42	11/20/24 13:30	250
o-Xylene	45.7		0.504		mg/Kg		11/20/24 09:42	11/20/24 13:30	250
Xylenes, Total	86.5		1.01		mg/Kg		11/20/24 09:42	11/20/24 13:30	250

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	417	S1+	70 - 130	11/19/24 09:03	11/19/24 13:20	25
1,4-Difluorobenzene (Surr)	82		70 - 130	11/19/24 09:03	11/19/24 13:20	25

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-51174-2

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	157		1.01		mg/Kg			11/20/24 13:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	7660		49.9		mg/Kg			11/19/24 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	1990		49.9		mg/Kg		11/18/24 15:04	11/19/24 14:42	1
Over C10-C28	5670		49.9		mg/Kg		11/18/24 15:04	11/19/24 14:42	1
Over C28-C36	<49.9	U	49.9		mg/Kg		11/18/24 15:04	11/19/24 14:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	156	S1+	70 - 130	11/18/24 15:04	11/19/24 14:42	1
o-Terphenyl	165	S1+	70 - 130	11/18/24 15:04	11/19/24 14:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4150		50.1		mg/Kg			11/19/24 00:49	5

Client Sample ID: T-1 (2)

Lab Sample ID: 880-51174-3

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	7.44		0.0501		mg/Kg		11/19/24 09:03	11/19/24 13:40	25
Toluene	89.5		1.99		mg/Kg		11/20/24 09:49	11/20/24 15:57	1000
Ethylbenzene	86.0		0.499		mg/Kg		11/20/24 09:42	11/20/24 13:51	250
m-Xylene & p-Xylene	106		0.998		mg/Kg		11/20/24 09:42	11/20/24 13:51	250
o-Xylene	82.4		0.499		mg/Kg		11/20/24 09:42	11/20/24 13:51	250
Xylenes, Total	188		0.998		mg/Kg		11/20/24 09:42	11/20/24 13:51	250

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	500	S1+	70 - 130	11/19/24 09:03	11/19/24 13:40	25
1,4-Difluorobenzene (Surr)	100		70 - 130	11/19/24 09:03	11/19/24 13:40	25

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	371		0.998		mg/Kg			11/20/24 15:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	8650		50.0		mg/Kg			11/19/24 14:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	2420		50.0		mg/Kg		11/18/24 15:04	11/19/24 14:57	1
Over C10-C28	6230		50.0		mg/Kg		11/18/24 15:04	11/19/24 14:57	1
Over C28-C36	<50.0	U	50.0		mg/Kg		11/18/24 15:04	11/19/24 14:57	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-1 (2)

Lab Sample ID: 880-51174-3

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	160	S1+	70 - 130	11/18/24 15:04	11/19/24 14:57	1
o-Terphenyl	174	S1+	70 - 130	11/18/24 15:04	11/19/24 14:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5260		100		mg/Kg			11/19/24 00:55	10

Client Sample ID: T-1 (3')

Lab Sample ID: 880-51174-4

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U F1	0.00198		mg/Kg		11/18/24 12:27	11/18/24 23:10	1
Toluene	<0.00198	U F1	0.00198		mg/Kg		11/18/24 12:27	11/18/24 23:10	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/18/24 12:27	11/18/24 23:10	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/18/24 12:27	11/18/24 23:10	1
o-Xylene	<0.00198	U F1	0.00198		mg/Kg		11/18/24 12:27	11/18/24 23:10	1
Xylenes, Total	<0.00396	U F1	0.00396		mg/Kg		11/18/24 12:27	11/18/24 23:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	11/18/24 12:27	11/18/24 23:10	1
1,4-Difluorobenzene (Surr)	91		70 - 130	11/18/24 12:27	11/18/24 23:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/18/24 23:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	98.2		49.8		mg/Kg			11/19/24 15:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.8	U	49.8		mg/Kg		11/18/24 15:04	11/19/24 15:12	1
Over C10-C28	98.2		49.8		mg/Kg		11/18/24 15:04	11/19/24 15:12	1
Over C28-C36	<49.8	U	49.8		mg/Kg		11/18/24 15:04	11/19/24 15:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	11/18/24 15:04	11/19/24 15:12	1
o-Terphenyl	78		70 - 130	11/18/24 15:04	11/19/24 15:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8080		99.4		mg/Kg			11/19/24 01:02	10

Client Sample ID: T-1 (4')

Lab Sample ID: 880-51174-5

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/18/24 12:27	11/18/24 23:31	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-1 (4')

Lab Sample ID: 880-51174-5

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	0.0107		0.00200		mg/Kg		11/18/24 12:27	11/18/24 23:31	1
Ethylbenzene	0.0195		0.00200		mg/Kg		11/18/24 12:27	11/18/24 23:31	1
m-Xylene & p-Xylene	0.0383		0.00399		mg/Kg		11/18/24 12:27	11/18/24 23:31	1
o-Xylene	0.0494		0.00200		mg/Kg		11/18/24 12:27	11/18/24 23:31	1
Xylenes, Total	0.0877		0.00399		mg/Kg		11/18/24 12:27	11/18/24 23:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	11/18/24 12:27	11/18/24 23:31	1
1,4-Difluorobenzene (Surr)	97		70 - 130	11/18/24 12:27	11/18/24 23:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.118		0.00399		mg/Kg			11/18/24 23:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	179		50.0		mg/Kg			11/19/24 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		11/18/24 15:04	11/19/24 15:27	1
Over C10-C28	179		50.0		mg/Kg		11/18/24 15:04	11/19/24 15:27	1
Over C28-C36	<50.0	U	50.0		mg/Kg		11/18/24 15:04	11/19/24 15:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	11/18/24 15:04	11/19/24 15:27	1
o-Terphenyl	75		70 - 130	11/18/24 15:04	11/19/24 15:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5030		99.6		mg/Kg			11/19/24 01:09	10

Client Sample ID: T-1 (5')

Lab Sample ID: 880-51174-6

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.149		0.0499		mg/Kg		11/19/24 09:03	11/19/24 14:01	25
Toluene	4.45		0.0499		mg/Kg		11/19/24 09:03	11/19/24 14:01	25
Ethylbenzene	5.49		0.0499		mg/Kg		11/19/24 09:03	11/19/24 14:01	25
m-Xylene & p-Xylene	9.33		0.0998		mg/Kg		11/19/24 09:03	11/19/24 14:01	25
o-Xylene	3.93		0.0499		mg/Kg		11/19/24 09:03	11/19/24 14:01	25
Xylenes, Total	13.3		0.0998		mg/Kg		11/19/24 09:03	11/19/24 14:01	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	242	S1+	70 - 130	11/19/24 09:03	11/19/24 14:01	25
1,4-Difluorobenzene (Surr)	93		70 - 130	11/19/24 09:03	11/19/24 14:01	25

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	23.3		0.0998		mg/Kg			11/19/24 14:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-1 (5')

Lab Sample ID: 880-51174-6

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1020		49.8		mg/Kg			11/19/24 15:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	163		49.8		mg/Kg		11/18/24 15:04	11/19/24 15:42	1
Over C10-C28	859		49.8		mg/Kg		11/18/24 15:04	11/19/24 15:42	1
Over C28-C36	<49.8	U	49.8		mg/Kg		11/18/24 15:04	11/19/24 15:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	11/18/24 15:04	11/19/24 15:42	1
o-Terphenyl	88		70 - 130	11/18/24 15:04	11/19/24 15:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4250	F1	99.4		mg/Kg			11/19/24 02:02	10

Client Sample ID: T-1 (6')

Lab Sample ID: 880-51174-7

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/18/24 12:27	11/18/24 23:51	1
Toluene	0.00536		0.00200		mg/Kg		11/18/24 12:27	11/18/24 23:51	1
Ethylbenzene	0.0142		0.00200		mg/Kg		11/18/24 12:27	11/18/24 23:51	1
m-Xylene & p-Xylene	0.00459		0.00399		mg/Kg		11/18/24 12:27	11/18/24 23:51	1
o-Xylene	0.143		0.00200		mg/Kg		11/18/24 12:27	11/18/24 23:51	1
Xylenes, Total	0.148		0.00399		mg/Kg		11/18/24 12:27	11/18/24 23:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	11/18/24 12:27	11/18/24 23:51	1
1,4-Difluorobenzene (Surr)	99		70 - 130	11/18/24 12:27	11/18/24 23:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.167		0.00399		mg/Kg			11/18/24 23:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	59.3		49.7		mg/Kg			11/19/24 15:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.7	U	49.7		mg/Kg		11/18/24 15:04	11/19/24 15:56	1
Over C10-C28	59.3		49.7		mg/Kg		11/18/24 15:04	11/19/24 15:56	1
Over C28-C36	<49.7	U	49.7		mg/Kg		11/18/24 15:04	11/19/24 15:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	11/18/24 15:04	11/19/24 15:56	1
o-Terphenyl	78		70 - 130	11/18/24 15:04	11/19/24 15:56	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-1 (6')

Lab Sample ID: 880-51174-7

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2300		49.7		mg/Kg			11/19/24 02:22	5

Client Sample ID: T-1 (7')

Lab Sample ID: 880-51174-8

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/18/24 12:27	11/19/24 00:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/18/24 12:27	11/19/24 00:12	1
Ethylbenzene	0.00199		0.00199		mg/Kg		11/18/24 12:27	11/19/24 00:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/18/24 12:27	11/19/24 00:12	1
o-Xylene	0.0414		0.00199		mg/Kg		11/18/24 12:27	11/19/24 00:12	1
Xylenes, Total	0.0414		0.00398		mg/Kg		11/18/24 12:27	11/19/24 00:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	11/18/24 12:27	11/19/24 00:12	1
1,4-Difluorobenzene (Surr)	92		70 - 130	11/18/24 12:27	11/19/24 00:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0434		0.00398		mg/Kg			11/19/24 00:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/19/24 16:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.8	U	49.8		mg/Kg		11/18/24 15:04	11/19/24 16:13	1
Over C10-C28	<49.8	U	49.8		mg/Kg		11/18/24 15:04	11/19/24 16:13	1
Over C28-C36	<49.8	U	49.8		mg/Kg		11/18/24 15:04	11/19/24 16:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	11/18/24 15:04	11/19/24 16:13	1
o-Terphenyl	73		70 - 130	11/18/24 15:04	11/19/24 16:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1830		99.2		mg/Kg			11/19/24 08:49	10

Client Sample ID: T-1 (8')

Lab Sample ID: 880-51174-9

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/18/24 12:27	11/19/24 00:32	1
Toluene	0.00243		0.00200		mg/Kg		11/18/24 12:27	11/19/24 00:32	1
Ethylbenzene	0.00352		0.00200		mg/Kg		11/18/24 12:27	11/19/24 00:32	1
m-Xylene & p-Xylene	0.00447		0.00399		mg/Kg		11/18/24 12:27	11/19/24 00:32	1
o-Xylene	0.00284		0.00200		mg/Kg		11/18/24 12:27	11/19/24 00:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-1 (8')

Lab Sample ID: 880-51174-9

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	0.00731		0.00399		mg/Kg		11/18/24 12:27	11/19/24 00:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				11/18/24 12:27	11/19/24 00:32	1
1,4-Difluorobenzene (Surr)	95		70 - 130				11/18/24 12:27	11/19/24 00:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0133		0.00399		mg/Kg			11/19/24 00:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/19/24 16:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		11/18/24 15:04	11/19/24 16:28	1
Over C10-C28	<50.0	U	50.0		mg/Kg		11/18/24 15:04	11/19/24 16:28	1
Over C28-C36	<50.0	U	50.0		mg/Kg		11/18/24 15:04	11/19/24 16:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				11/18/24 15:04	11/19/24 16:28	1
o-Terphenyl	73		70 - 130				11/18/24 15:04	11/19/24 16:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	175		10.0		mg/Kg			11/19/24 02:35	1

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

Lab Sample ID: 880-51174-10

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.237		0.00138		mg/Kg		11/19/24 09:03	11/19/24 16:35	1
Toluene	17.0		0.498		mg/Kg		11/20/24 09:42	11/20/24 14:32	250
Ethylbenzene	20.6		0.498		mg/Kg		11/20/24 09:42	11/20/24 14:32	250
m-Xylene & p-Xylene	29.4		0.996		mg/Kg		11/20/24 09:42	11/20/24 14:32	250
o-Xylene	12.6		0.498		mg/Kg		11/20/24 09:42	11/20/24 14:32	250
Xylenes, Total	42.0		0.996		mg/Kg		11/20/24 09:42	11/20/24 14:32	250
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	630	S1+	70 - 130				11/19/24 09:03	11/19/24 16:35	1
1,4-Difluorobenzene (Surr)	80		70 - 130				11/19/24 09:03	11/19/24 16:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	79.8		0.996		mg/Kg			11/20/24 14:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	14400		250		mg/Kg			11/20/24 13:58	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

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

Lab Sample ID: 880-51174-10

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	1290		250		mg/Kg		11/20/24 10:46	11/20/24 13:58	5
Over C10-C28	13100		250		mg/Kg		11/20/24 10:46	11/20/24 13:58	5
Over C28-C36	<250	U	250		mg/Kg		11/20/24 10:46	11/20/24 13:58	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	187	S1+	70 - 130	11/20/24 10:46	11/20/24 13:58	5
o-Terphenyl	326	S1+	70 - 130	11/20/24 10:46	11/20/24 13:58	5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3970		50.4		mg/Kg			11/19/24 02:42	5

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-51174-11

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.344		0.00198		mg/Kg		11/19/24 09:06	11/19/24 13:04	1
Toluene	45.3		0.497		mg/Kg		11/20/24 09:42	11/20/24 14:52	250
Ethylbenzene	69.7		0.497		mg/Kg		11/20/24 09:42	11/20/24 14:52	250
m-Xylene & p-Xylene	93.3		0.994		mg/Kg		11/20/24 09:42	11/20/24 14:52	250
o-Xylene	41.4		0.497		mg/Kg		11/20/24 09:42	11/20/24 14:52	250
Xylenes, Total	135		0.994		mg/Kg		11/20/24 09:42	11/20/24 14:52	250

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	568	S1+	70 - 130	11/19/24 09:06	11/19/24 13:04	1
1,4-Difluorobenzene (Surr)	117		70 - 130	11/19/24 09:06	11/19/24 13:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	250		0.994		mg/Kg			11/20/24 14:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	8720		49.8		mg/Kg			11/19/24 17:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	1660		49.8		mg/Kg		11/18/24 15:04	11/19/24 17:12	1
Over C10-C28	7060		49.8		mg/Kg		11/18/24 15:04	11/19/24 17:12	1
Over C28-C36	<49.8	U	49.8		mg/Kg		11/18/24 15:04	11/19/24 17:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	166	S1+	70 - 130	11/18/24 15:04	11/19/24 17:12	1
o-Terphenyl	186	S1+	70 - 130	11/18/24 15:04	11/19/24 17:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2630		49.6		mg/Kg			11/19/24 03:02	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-2 (2')

Lab Sample ID: 880-51174-12

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	5.74		0.0498		mg/Kg		11/19/24 09:03	11/19/24 14:21	25
Toluene	148		2.00		mg/Kg		11/20/24 09:42	11/20/24 17:16	1000
Ethylbenzene	128		2.00		mg/Kg		11/20/24 09:42	11/20/24 17:16	1000
m-Xylene & p-Xylene	193		0.998		mg/Kg		11/20/24 09:42	11/20/24 15:13	250
o-Xylene	89.1		2.00		mg/Kg		11/20/24 09:42	11/20/24 17:16	1000
Xylenes, Total	246		3.99		mg/Kg		11/20/24 09:42	11/20/24 17:16	1000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	660	S1+	70 - 130	11/19/24 09:03	11/19/24 14:21	25
1,4-Difluorobenzene (Surr)	78		70 - 130	11/19/24 09:03	11/19/24 14:21	25

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	564		2.00		mg/Kg			11/20/24 17:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	15600		249		mg/Kg			11/20/24 14:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	4330		249		mg/Kg		11/20/24 10:46	11/20/24 14:13	5
Over C10-C28	11300		249		mg/Kg		11/20/24 10:46	11/20/24 14:13	5
Over C28-C36	<249	U	249		mg/Kg		11/20/24 10:46	11/20/24 14:13	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	264	S1+	70 - 130	11/20/24 10:46	11/20/24 14:13	5
o-Terphenyl	280	S1+	70 - 130	11/20/24 10:46	11/20/24 14:13	5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6330		101		mg/Kg			11/19/24 03:09	10

Client Sample ID: T-2 (3')

Lab Sample ID: 880-51174-13

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	15.0		0.501		mg/Kg		11/20/24 09:49	11/20/24 12:47	250
Toluene	129		2.00		mg/Kg		11/20/24 09:49	11/20/24 15:01	1000
Ethylbenzene	95.7		0.501		mg/Kg		11/20/24 09:49	11/20/24 12:47	250
m-Xylene & p-Xylene	113		1.00		mg/Kg		11/20/24 09:49	11/20/24 12:47	250
o-Xylene	48.9		0.501		mg/Kg		11/20/24 09:49	11/20/24 12:47	250
Xylenes, Total	162		1.00		mg/Kg		11/20/24 09:49	11/20/24 12:47	250

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	410	S1+	70 - 130	11/19/24 09:03	11/19/24 14:41	25
1,4-Difluorobenzene (Surr)	99		70 - 130	11/19/24 09:03	11/19/24 14:41	25

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-2 (3')

Lab Sample ID: 880-51174-13

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	402		1.00		mg/Kg			11/20/24 15:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	16200		249		mg/Kg			11/20/24 14:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	4910		249		mg/Kg		11/20/24 10:46	11/20/24 14:28	5
Over C10-C28	11300		249		mg/Kg		11/20/24 10:46	11/20/24 14:28	5
Over C28-C36	<249	U	249		mg/Kg		11/20/24 10:46	11/20/24 14:28	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	269	S1+	70 - 130	11/20/24 10:46	11/20/24 14:28	5
o-Terphenyl	282	S1+	70 - 130	11/20/24 10:46	11/20/24 14:28	5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4650		99.0		mg/Kg			11/19/24 03:15	10

Client Sample ID: T-2 (4')

Lab Sample ID: 880-51174-14

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.31		0.499		mg/Kg		11/20/24 09:49	11/20/24 13:07	250
Toluene	47.1		0.499		mg/Kg		11/20/24 09:49	11/20/24 13:07	250
Ethylbenzene	43.9		0.499		mg/Kg		11/20/24 09:49	11/20/24 13:07	250
m-Xylene & p-Xylene	53.5		0.998		mg/Kg		11/20/24 09:49	11/20/24 13:07	250
o-Xylene	24.3		0.499		mg/Kg		11/20/24 09:49	11/20/24 13:07	250
Xylenes, Total	77.8		0.998		mg/Kg		11/20/24 09:49	11/20/24 13:07	250

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	1174	S1+	70 - 130	11/19/24 09:06	11/19/24 13:25	1
1,4-Difluorobenzene (Surr)	75		70 - 130	11/19/24 09:06	11/19/24 13:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	171		0.998		mg/Kg			11/20/24 13:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	5900		50.0		mg/Kg			11/19/24 17:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	1560		50.0		mg/Kg		11/18/24 15:04	11/19/24 17:56	1
Over C10-C28	4340		50.0		mg/Kg		11/18/24 15:04	11/19/24 17:56	1
Over C28-C36	<50.0	U	50.0		mg/Kg		11/18/24 15:04	11/19/24 17:56	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-2 (4')

Date Collected: 11/15/24 00:00

Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-14

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130	11/18/24 15:04	11/19/24 17:56	1
o-Terphenyl	144	S1+	70 - 130	11/18/24 15:04	11/19/24 17:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5090		99.2		mg/Kg			11/19/24 03:22	10

Client Sample ID: T-2 (5')

Date Collected: 11/15/24 00:00

Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-15

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3.19		0.0504		mg/Kg		11/19/24 09:03	11/19/24 15:02	25
Toluene	133		2.00		mg/Kg		11/21/24 08:51	11/21/24 12:30	1000
Ethylbenzene	129		2.00		mg/Kg		11/21/24 08:51	11/21/24 12:30	1000
m-Xylene & p-Xylene	161		3.99		mg/Kg		11/21/24 08:51	11/21/24 12:30	1000
o-Xylene	71.6		2.00		mg/Kg		11/21/24 08:51	11/21/24 12:30	1000
Xylenes, Total	233		3.99		mg/Kg		11/21/24 08:51	11/21/24 12:30	1000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	380	S1+	70 - 130	11/19/24 09:03	11/19/24 15:02	25
1,4-Difluorobenzene (Surr)	83		70 - 130	11/19/24 09:03	11/19/24 15:02	25

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	498		3.99		mg/Kg			11/21/24 12:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	8910		49.8		mg/Kg			11/19/24 18:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	2110		49.8		mg/Kg		11/18/24 15:04	11/19/24 18:11	1
Over C10-C28	6800		49.8		mg/Kg		11/18/24 15:04	11/19/24 18:11	1
Over C28-C36	<49.8	U	49.8		mg/Kg		11/18/24 15:04	11/19/24 18:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	164	S1+	70 - 130	11/18/24 15:04	11/19/24 18:11	1
o-Terphenyl	182	S1+	70 - 130	11/18/24 15:04	11/19/24 18:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4690		101		mg/Kg			11/19/24 03:29	10

Client Sample ID: T-2 (6')

Date Collected: 11/15/24 00:00

Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-16

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00762		0.00200		mg/Kg		11/19/24 09:06	11/19/24 13:45	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-2 (6')

Lab Sample ID: 880-51174-16

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	0.0265		0.00200		mg/Kg		11/19/24 09:06	11/19/24 13:45	1
Ethylbenzene	0.0191		0.00200		mg/Kg		11/19/24 09:06	11/19/24 13:45	1
m-Xylene & p-Xylene	0.0258		0.00401		mg/Kg		11/19/24 09:06	11/19/24 13:45	1
o-Xylene	0.0163		0.00200		mg/Kg		11/19/24 09:06	11/19/24 13:45	1
Xylenes, Total	0.0421		0.00401		mg/Kg		11/19/24 09:06	11/19/24 13:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	11/19/24 09:06	11/19/24 13:45	1
1,4-Difluorobenzene (Surr)	99		70 - 130	11/19/24 09:06	11/19/24 13:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0953		0.00401		mg/Kg			11/19/24 13:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/19/24 13:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		11/18/24 15:04	11/19/24 13:58	1
Over C10-C28	<50.0	U	50.0		mg/Kg		11/18/24 15:04	11/19/24 13:58	1
Over C28-C36	<50.0	U	50.0		mg/Kg		11/18/24 15:04	11/19/24 13:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	11/18/24 15:04	11/19/24 13:58	1
o-Terphenyl	75		70 - 130	11/18/24 15:04	11/19/24 13:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1800	F1	49.7		mg/Kg			11/19/24 03:35	5

Client Sample ID: T-2 (7')

Lab Sample ID: 880-51174-17

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00221		0.00200		mg/Kg		11/19/24 09:06	11/19/24 14:06	1
Toluene	0.00721		0.00200		mg/Kg		11/19/24 09:06	11/19/24 14:06	1
Ethylbenzene	0.00666		0.00200		mg/Kg		11/19/24 09:06	11/19/24 14:06	1
m-Xylene & p-Xylene	0.00475		0.00399		mg/Kg		11/19/24 09:06	11/19/24 14:06	1
o-Xylene	0.00200		0.00200		mg/Kg		11/19/24 09:06	11/19/24 14:06	1
Xylenes, Total	0.00675		0.00399		mg/Kg		11/19/24 09:06	11/19/24 14:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	11/19/24 09:06	11/19/24 14:06	1
1,4-Difluorobenzene (Surr)	101		70 - 130	11/19/24 09:06	11/19/24 14:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0228		0.00399		mg/Kg			11/19/24 14:06	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-2 (7')

Lab Sample ID: 880-51174-17

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	104		49.7		mg/Kg			11/19/24 18:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.7	U	49.7		mg/Kg		11/18/24 15:04	11/19/24 18:27	1
Over C10-C28	104		49.7		mg/Kg		11/18/24 15:04	11/19/24 18:27	1
Over C28-C36	<49.7	U	49.7		mg/Kg		11/18/24 15:04	11/19/24 18:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	11/18/24 15:04	11/19/24 18:27	1
o-Terphenyl	75		70 - 130	11/18/24 15:04	11/19/24 18:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	422		9.92		mg/Kg			11/19/24 03:55	1

Client Sample ID: T-2 (8')

Lab Sample ID: 880-51174-18

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/19/24 09:06	11/19/24 14:26	1
Toluene	0.00656		0.00199		mg/Kg		11/19/24 09:06	11/19/24 14:26	1
Ethylbenzene	0.00319		0.00199		mg/Kg		11/19/24 09:06	11/19/24 14:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/19/24 09:06	11/19/24 14:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/19/24 09:06	11/19/24 14:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/19/24 09:06	11/19/24 14:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	11/19/24 09:06	11/19/24 14:26	1
1,4-Difluorobenzene (Surr)	101		70 - 130	11/19/24 09:06	11/19/24 14:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00975		0.00398		mg/Kg			11/19/24 14:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/19/24 18:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.8	U	49.8		mg/Kg		11/18/24 15:04	11/19/24 18:42	1
Over C10-C28	<49.8	U	49.8		mg/Kg		11/18/24 15:04	11/19/24 18:42	1
Over C28-C36	<49.8	U	49.8		mg/Kg		11/18/24 15:04	11/19/24 18:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	11/18/24 15:04	11/19/24 18:42	1
o-Terphenyl	73		70 - 130	11/18/24 15:04	11/19/24 18:42	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-2 (8')

Lab Sample ID: 880-51174-18

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	246		10.0		mg/Kg			11/19/24 04:02	1

Client Sample ID: T-2 (9')

Lab Sample ID: 880-51174-19

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:06	11/19/24 14:47	1
Toluene	0.00944		0.00200		mg/Kg		11/19/24 09:06	11/19/24 14:47	1
Ethylbenzene	0.00576		0.00200		mg/Kg		11/19/24 09:06	11/19/24 14:47	1
m-Xylene & p-Xylene	0.00613		0.00399		mg/Kg		11/19/24 09:06	11/19/24 14:47	1
o-Xylene	0.00402		0.00200		mg/Kg		11/19/24 09:06	11/19/24 14:47	1
Xylenes, Total	0.0102		0.00399		mg/Kg		11/19/24 09:06	11/19/24 14:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	11/19/24 09:06	11/19/24 14:47	1
1,4-Difluorobenzene (Surr)	98		70 - 130	11/19/24 09:06	11/19/24 14:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0254		0.00399		mg/Kg			11/19/24 14:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	53.4		50.0		mg/Kg			11/19/24 18:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		11/18/24 15:04	11/19/24 18:59	1
Over C10-C28	53.4		50.0		mg/Kg		11/18/24 15:04	11/19/24 18:59	1
Over C28-C36	<50.0	U	50.0		mg/Kg		11/18/24 15:04	11/19/24 18:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	11/18/24 15:04	11/19/24 18:59	1
o-Terphenyl	72		70 - 130	11/18/24 15:04	11/19/24 18:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	286		9.94		mg/Kg			11/19/24 04:22	1

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

Lab Sample ID: 880-51174-20

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/19/24 09:06	11/19/24 15:07	1
Toluene	0.00251		0.00202		mg/Kg		11/19/24 09:06	11/19/24 15:07	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/19/24 09:06	11/19/24 15:07	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/19/24 09:06	11/19/24 15:07	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/19/24 09:06	11/19/24 15:07	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

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

Lab Sample ID: 880-51174-20

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/19/24 09:06	11/19/24 15:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				11/19/24 09:06	11/19/24 15:07	1
1,4-Difluorobenzene (Surr)	100		70 - 130				11/19/24 09:06	11/19/24 15:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/19/24 15:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/19/24 19:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U	49.9		mg/Kg		11/18/24 15:04	11/19/24 19:13	1
Over C10-C28	<49.9	U	49.9		mg/Kg		11/18/24 15:04	11/19/24 19:13	1
Over C28-C36	<49.9	U	49.9		mg/Kg		11/18/24 15:04	11/19/24 19:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				11/18/24 15:04	11/19/24 19:13	1
o-Terphenyl	69	S1-	70 - 130				11/18/24 15:04	11/19/24 19:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2780		49.8		mg/Kg			11/19/24 04:29	5

Client Sample ID: T-3 (1.5')

Lab Sample ID: 880-51174-21

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/18/24 15:20	11/19/24 11:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/18/24 15:20	11/19/24 11:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/18/24 15:20	11/19/24 11:59	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/18/24 15:20	11/19/24 11:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/18/24 15:20	11/19/24 11:59	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/18/24 15:20	11/19/24 11:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				11/18/24 15:20	11/19/24 11:59	1
1,4-Difluorobenzene (Surr)	78		70 - 130				11/18/24 15:20	11/19/24 11:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/19/24 11:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/19/24 19:31	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-3 (1.5')

Lab Sample ID: 880-51174-21

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U	49.9		mg/Kg		11/18/24 15:04	11/19/24 19:31	1
Over C10-C28	<49.9	U	49.9		mg/Kg		11/18/24 15:04	11/19/24 19:31	1
Over C28-C36	<49.9	U	49.9		mg/Kg		11/18/24 15:04	11/19/24 19:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	11/18/24 15:04	11/19/24 19:31	1
o-Terphenyl	72		70 - 130	11/18/24 15:04	11/19/24 19:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4750		49.9		mg/Kg			11/19/24 04:35	5

Client Sample ID: T-3 (2')

Lab Sample ID: 880-51174-22

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/18/24 15:20	11/19/24 12:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/18/24 15:20	11/19/24 12:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/18/24 15:20	11/19/24 12:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/18/24 15:20	11/19/24 12:20	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/18/24 15:20	11/19/24 12:20	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/18/24 15:20	11/19/24 12:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	11/18/24 15:20	11/19/24 12:20	1
1,4-Difluorobenzene (Surr)	82		70 - 130	11/18/24 15:20	11/19/24 12:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/19/24 12:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/19/24 20:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U *1	49.9		mg/Kg		11/18/24 15:07	11/19/24 20:21	1
Over C10-C28	<49.9	U *1	49.9		mg/Kg		11/18/24 15:07	11/19/24 20:21	1
Over C28-C36	<49.9	U	49.9		mg/Kg		11/18/24 15:07	11/19/24 20:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	11/18/24 15:07	11/19/24 20:21	1
o-Terphenyl	108		70 - 130	11/18/24 15:07	11/19/24 20:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2870		50.0		mg/Kg			11/19/24 04:42	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-3 (3')

Lab Sample ID: 880-51174-23

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/18/24 15:20	11/19/24 12:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/18/24 15:20	11/19/24 12:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/18/24 15:20	11/19/24 12:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/18/24 15:20	11/19/24 12:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/18/24 15:20	11/19/24 12:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/18/24 15:20	11/19/24 12:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	11/18/24 15:20	11/19/24 12:40	1
1,4-Difluorobenzene (Surr)	80		70 - 130	11/18/24 15:20	11/19/24 12:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/19/24 12:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/19/24 21:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U *1	49.9		mg/Kg		11/18/24 15:07	11/19/24 21:12	1
Over C10-C28	<49.9	U *1	49.9		mg/Kg		11/18/24 15:07	11/19/24 21:12	1
Over C28-C36	<49.9	U	49.9		mg/Kg		11/18/24 15:07	11/19/24 21:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	11/18/24 15:07	11/19/24 21:12	1
o-Terphenyl	94		70 - 130	11/18/24 15:07	11/19/24 21:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4310		100		mg/Kg			11/19/24 04:49	10

Client Sample ID: T-3 (4')

Lab Sample ID: 880-51174-24

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/18/24 15:20	11/19/24 13:01	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/18/24 15:20	11/19/24 13:01	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/18/24 15:20	11/19/24 13:01	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/18/24 15:20	11/19/24 13:01	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/18/24 15:20	11/19/24 13:01	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/18/24 15:20	11/19/24 13:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	11/18/24 15:20	11/19/24 13:01	1
1,4-Difluorobenzene (Surr)	77		70 - 130	11/18/24 15:20	11/19/24 13:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-3 (4')

Lab Sample ID: 880-51174-24

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/19/24 13:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/19/24 21:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.7	U *1	49.7		mg/Kg		11/18/24 15:07	11/19/24 21:28	1
Over C10-C28	<49.7	U *1	49.7		mg/Kg		11/18/24 15:07	11/19/24 21:28	1
Over C28-C36	<49.7	U	49.7		mg/Kg		11/18/24 15:07	11/19/24 21:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	11/18/24 15:07	11/19/24 21:28	1
o-Terphenyl	96		70 - 130	11/18/24 15:07	11/19/24 21:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5670		99.0		mg/Kg			11/19/24 04:55	10

Client Sample ID: T-3 (5')

Lab Sample ID: 880-51174-25

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/18/24 15:20	11/19/24 13:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/18/24 15:20	11/19/24 13:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/18/24 15:20	11/19/24 13:21	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/18/24 15:20	11/19/24 13:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/18/24 15:20	11/19/24 13:21	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/18/24 15:20	11/19/24 13:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	11/18/24 15:20	11/19/24 13:21	1
1,4-Difluorobenzene (Surr)	76		70 - 130	11/18/24 15:20	11/19/24 13:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/19/24 13:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/19/24 21:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U *1	49.9		mg/Kg		11/18/24 15:07	11/19/24 21:44	1
Over C10-C28	<49.9	U *1	49.9		mg/Kg		11/18/24 15:07	11/19/24 21:44	1
Over C28-C36	<49.9	U	49.9		mg/Kg		11/18/24 15:07	11/19/24 21:44	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-3 (5')

Date Collected: 11/15/24 00:00

Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-25

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	11/18/24 15:07	11/19/24 21:44	1
o-Terphenyl	106		70 - 130	11/18/24 15:07	11/19/24 21:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9530		99.0		mg/Kg			11/19/24 05:02	10

Client Sample ID: T-3 (6')

Date Collected: 11/15/24 00:00

Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-26

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/18/24 15:20	11/19/24 13:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/18/24 15:20	11/19/24 13:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/18/24 15:20	11/19/24 13:42	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/18/24 15:20	11/19/24 13:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/18/24 15:20	11/19/24 13:42	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/18/24 15:20	11/19/24 13:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	11/18/24 15:20	11/19/24 13:42	1
1,4-Difluorobenzene (Surr)	81		70 - 130	11/18/24 15:20	11/19/24 13:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/19/24 13:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/19/24 22:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.8	U *1	49.8		mg/Kg		11/18/24 15:07	11/19/24 22:00	1
Over C10-C28	<49.8	U *1	49.8		mg/Kg		11/18/24 15:07	11/19/24 22:00	1
Over C28-C36	<49.8	U	49.8		mg/Kg		11/18/24 15:07	11/19/24 22:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	11/18/24 15:07	11/19/24 22:00	1
o-Terphenyl	111		70 - 130	11/18/24 15:07	11/19/24 22:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8400	F1	100		mg/Kg			11/19/24 05:55	10

Client Sample ID: T-3 (7')

Date Collected: 11/15/24 00:00

Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-27

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/18/24 15:20	11/19/24 14:02	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-3 (7')

Lab Sample ID: 880-51174-27

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00200	U	0.00200		mg/Kg		11/18/24 15:20	11/19/24 14:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/18/24 15:20	11/19/24 14:02	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/18/24 15:20	11/19/24 14:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/18/24 15:20	11/19/24 14:02	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/18/24 15:20	11/19/24 14:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	11/18/24 15:20	11/19/24 14:02	1
1,4-Difluorobenzene (Surr)	78		70 - 130	11/18/24 15:20	11/19/24 14:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/19/24 14:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			11/19/24 22:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.6	U *1	49.6		mg/Kg		11/18/24 15:07	11/19/24 22:16	1
Over C10-C28	<49.6	U *1	49.6		mg/Kg		11/18/24 15:07	11/19/24 22:16	1
Over C28-C36	<49.6	U	49.6		mg/Kg		11/18/24 15:07	11/19/24 22:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	11/18/24 15:07	11/19/24 22:16	1
o-Terphenyl	105		70 - 130	11/18/24 15:07	11/19/24 22:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8630		100		mg/Kg			11/19/24 06:15	10

Client Sample ID: T-3 (8')

Lab Sample ID: 880-51174-28

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/18/24 15:20	11/19/24 14:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/18/24 15:20	11/19/24 14:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/18/24 15:20	11/19/24 14:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/18/24 15:20	11/19/24 14:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/18/24 15:20	11/19/24 14:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/18/24 15:20	11/19/24 14:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	11/18/24 15:20	11/19/24 14:23	1
1,4-Difluorobenzene (Surr)	80		70 - 130	11/18/24 15:20	11/19/24 14:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/19/24 14:23	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-3 (8')

Lab Sample ID: 880-51174-28

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/19/24 22:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.7	U *1	49.7		mg/Kg		11/18/24 15:07	11/19/24 22:32	1
Over C10-C28	<49.7	U *1	49.7		mg/Kg		11/18/24 15:07	11/19/24 22:32	1
Over C28-C36	<49.7	U	49.7		mg/Kg		11/18/24 15:07	11/19/24 22:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	11/18/24 15:07	11/19/24 22:32	1
o-Terphenyl	102		70 - 130	11/18/24 15:07	11/19/24 22:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9060		202		mg/Kg			11/19/24 06:22	20

Client Sample ID: T-3 (9')

Lab Sample ID: 880-51174-29

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/18/24 15:20	11/19/24 14:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/18/24 15:20	11/19/24 14:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/18/24 15:20	11/19/24 14:43	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/18/24 15:20	11/19/24 14:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/18/24 15:20	11/19/24 14:43	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/18/24 15:20	11/19/24 14:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	11/18/24 15:20	11/19/24 14:43	1
1,4-Difluorobenzene (Surr)	80		70 - 130	11/18/24 15:20	11/19/24 14:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/19/24 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/19/24 22:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U *1	49.9		mg/Kg		11/18/24 15:07	11/19/24 22:47	1
Over C10-C28	<49.9	U *1	49.9		mg/Kg		11/18/24 15:07	11/19/24 22:47	1
Over C28-C36	<49.9	U	49.9		mg/Kg		11/18/24 15:07	11/19/24 22:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	11/18/24 15:07	11/19/24 22:47	1
o-Terphenyl	93		70 - 130	11/18/24 15:07	11/19/24 22:47	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-3 (9')

Lab Sample ID: 880-51174-29

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6690		99.6		mg/Kg			11/19/24 06:29	10

Client Sample ID: T-3 (10')

Lab Sample ID: 880-51174-30

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/18/24 15:20	11/19/24 15:04	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/18/24 15:20	11/19/24 15:04	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/18/24 15:20	11/19/24 15:04	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/18/24 15:20	11/19/24 15:04	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/18/24 15:20	11/19/24 15:04	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/18/24 15:20	11/19/24 15:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	11/18/24 15:20	11/19/24 15:04	1
1,4-Difluorobenzene (Surr)	79		70 - 130	11/18/24 15:20	11/19/24 15:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/19/24 15:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/19/24 23:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.8	U *1	49.8		mg/Kg		11/18/24 15:07	11/19/24 23:03	1
Over C10-C28	<49.8	U *1	49.8		mg/Kg		11/18/24 15:07	11/19/24 23:03	1
Over C28-C36	<49.8	U	49.8		mg/Kg		11/18/24 15:07	11/19/24 23:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	11/18/24 15:07	11/19/24 23:03	1
o-Terphenyl	100		70 - 130	11/18/24 15:07	11/19/24 23:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6720		99.2		mg/Kg			11/19/24 06:35	10

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

Lab Sample ID: 880-51174-31

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00138		mg/Kg		11/18/24 15:20	11/19/24 16:28	1
Toluene	<0.00138	U	0.00138		mg/Kg		11/18/24 15:20	11/19/24 16:28	1
Ethylbenzene	<0.00138	U	0.00138		mg/Kg		11/18/24 15:20	11/19/24 16:28	1
m-Xylene & p-Xylene	<0.00277	U	0.00277		mg/Kg		11/18/24 15:20	11/19/24 16:28	1
o-Xylene	<0.00138	U	0.00138		mg/Kg		11/18/24 15:20	11/19/24 16:28	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

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

Lab Sample ID: 880-51174-31

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.00277	U	0.00277		mg/Kg		11/18/24 15:20	11/19/24 16:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				11/18/24 15:20	11/19/24 16:28	1
1,4-Difluorobenzene (Surr)	85		70 - 130				11/18/24 15:20	11/19/24 16:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00277	U	0.00277		mg/Kg			11/19/24 16:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/19/24 23:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U *1	49.9		mg/Kg		11/18/24 15:07	11/19/24 23:19	1
Over C10-C28	<49.9	U *1	49.9		mg/Kg		11/18/24 15:07	11/19/24 23:19	1
Over C28-C36	<49.9	U	49.9		mg/Kg		11/18/24 15:07	11/19/24 23:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				11/18/24 15:07	11/19/24 23:19	1
o-Terphenyl	104		70 - 130				11/18/24 15:07	11/19/24 23:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6410		99.0		mg/Kg			11/19/24 06:55	10

Client Sample ID: T-4 (1.5')

Lab Sample ID: 880-51174-32

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00120	U	0.00120		mg/Kg		11/18/24 15:20	11/19/24 16:49	1
Toluene	<0.00120	U	0.00120		mg/Kg		11/18/24 15:20	11/19/24 16:49	1
Ethylbenzene	<0.00120	U	0.00120		mg/Kg		11/18/24 15:20	11/19/24 16:49	1
m-Xylene & p-Xylene	<0.00240	U	0.00240		mg/Kg		11/18/24 15:20	11/19/24 16:49	1
o-Xylene	<0.00120	U	0.00120		mg/Kg		11/18/24 15:20	11/19/24 16:49	1
Xylenes, Total	<0.00240	U	0.00240		mg/Kg		11/18/24 15:20	11/19/24 16:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				11/18/24 15:20	11/19/24 16:49	1
1,4-Difluorobenzene (Surr)	72		70 - 130				11/18/24 15:20	11/19/24 16:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00240	U	0.00240		mg/Kg			11/19/24 16:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/19/24 23:51	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-4 (1.5')

Lab Sample ID: 880-51174-32

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U *1	49.9		mg/Kg		11/18/24 15:07	11/19/24 23:51	1
Over C10-C28	<49.9	U *1	49.9		mg/Kg		11/18/24 15:07	11/19/24 23:51	1
Over C28-C36	<49.9	U	49.9		mg/Kg		11/18/24 15:07	11/19/24 23:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	11/18/24 15:07	11/19/24 23:51	1
o-Terphenyl	104		70 - 130	11/18/24 15:07	11/19/24 23:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1330		49.8		mg/Kg			11/19/24 07:02	5

Client Sample ID: T-4 (2')

Lab Sample ID: 880-51174-33

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00114	U	0.00114		mg/Kg		11/18/24 15:20	11/19/24 17:10	1
Toluene	<0.00114	U	0.00114		mg/Kg		11/18/24 15:20	11/19/24 17:10	1
Ethylbenzene	<0.00114	U	0.00114		mg/Kg		11/18/24 15:20	11/19/24 17:10	1
m-Xylene & p-Xylene	<0.00228	U	0.00228		mg/Kg		11/18/24 15:20	11/19/24 17:10	1
o-Xylene	<0.00114	U	0.00114		mg/Kg		11/18/24 15:20	11/19/24 17:10	1
Xylenes, Total	<0.00228	U	0.00228		mg/Kg		11/18/24 15:20	11/19/24 17:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	11/18/24 15:20	11/19/24 17:10	1
1,4-Difluorobenzene (Surr)	76		70 - 130	11/18/24 15:20	11/19/24 17:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00228		mg/Kg			11/19/24 17:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/20/24 00:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.8	U *1	49.8		mg/Kg		11/18/24 15:07	11/20/24 00:08	1
Over C10-C28	<49.8	U *1	49.8		mg/Kg		11/18/24 15:07	11/20/24 00:08	1
Over C28-C36	<49.8	U	49.8		mg/Kg		11/18/24 15:07	11/20/24 00:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	206	S1+	70 - 130	11/18/24 15:07	11/20/24 00:08	1
o-Terphenyl	189	S1+	70 - 130	11/18/24 15:07	11/20/24 00:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1870		50.4		mg/Kg			11/19/24 07:09	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-4 (3')

Lab Sample ID: 880-51174-34

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00143	U	0.00143		mg/Kg		11/18/24 15:20	11/19/24 17:30	1
Toluene	<0.00143	U	0.00143		mg/Kg		11/18/24 15:20	11/19/24 17:30	1
Ethylbenzene	<0.00143	U	0.00143		mg/Kg		11/18/24 15:20	11/19/24 17:30	1
m-Xylene & p-Xylene	<0.00287	U	0.00287		mg/Kg		11/18/24 15:20	11/19/24 17:30	1
o-Xylene	<0.00143	U	0.00143		mg/Kg		11/18/24 15:20	11/19/24 17:30	1
Xylenes, Total	<0.00287	U	0.00287		mg/Kg		11/18/24 15:20	11/19/24 17:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	11/18/24 15:20	11/19/24 17:30	1
1,4-Difluorobenzene (Surr)	77		70 - 130	11/18/24 15:20	11/19/24 17:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00287	U	0.00287		mg/Kg			11/19/24 17:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/20/24 00:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U *1	49.9		mg/Kg		11/18/24 15:07	11/20/24 00:24	1
Over C10-C28	<49.9	U *1	49.9		mg/Kg		11/18/24 15:07	11/20/24 00:24	1
Over C28-C36	<49.9	U	49.9		mg/Kg		11/18/24 15:07	11/20/24 00:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	11/18/24 15:07	11/20/24 00:24	1
o-Terphenyl	106		70 - 130	11/18/24 15:07	11/20/24 00:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1830		49.7		mg/Kg			11/19/24 07:15	5

Client Sample ID: T-4 (4')

Lab Sample ID: 880-51174-35

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00218	U	0.00218		mg/Kg		11/18/24 15:20	11/19/24 17:51	1
Toluene	0.00240		0.00218		mg/Kg		11/18/24 15:20	11/19/24 17:51	1
Ethylbenzene	<0.00218	U	0.00218		mg/Kg		11/18/24 15:20	11/19/24 17:51	1
m-Xylene & p-Xylene	<0.00436	U	0.00436		mg/Kg		11/18/24 15:20	11/19/24 17:51	1
o-Xylene	<0.00218	U	0.00218		mg/Kg		11/18/24 15:20	11/19/24 17:51	1
Xylenes, Total	<0.00436	U	0.00436		mg/Kg		11/18/24 15:20	11/19/24 17:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	11/18/24 15:20	11/19/24 17:51	1
1,4-Difluorobenzene (Surr)	87		70 - 130	11/18/24 15:20	11/19/24 17:51	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-4 (4')

Lab Sample ID: 880-51174-35

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00436	U	0.00436		mg/Kg			11/19/24 17:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	303		49.7		mg/Kg			11/20/24 00:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.7	U *1	49.7		mg/Kg		11/18/24 15:07	11/20/24 00:40	1
Over C10-C28	303	*1	49.7		mg/Kg		11/18/24 15:07	11/20/24 00:40	1
Over C28-C36	<49.7	U	49.7		mg/Kg		11/18/24 15:07	11/20/24 00:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	11/18/24 15:07	11/20/24 00:40	1
o-Terphenyl	107		70 - 130	11/18/24 15:07	11/20/24 00:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1690		49.6		mg/Kg			11/19/24 07:22	5

Client Sample ID: T-4 (5')

Lab Sample ID: 880-51174-36

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00143	U	0.00143		mg/Kg		11/18/24 15:20	11/19/24 18:11	1
Toluene	0.00154		0.00143		mg/Kg		11/18/24 15:20	11/19/24 18:11	1
Ethylbenzene	<0.00143	U	0.00143		mg/Kg		11/18/24 15:20	11/19/24 18:11	1
m-Xylene & p-Xylene	<0.00287	U	0.00287		mg/Kg		11/18/24 15:20	11/19/24 18:11	1
o-Xylene	<0.00143	U	0.00143		mg/Kg		11/18/24 15:20	11/19/24 18:11	1
Xylenes, Total	<0.00287	U	0.00287		mg/Kg		11/18/24 15:20	11/19/24 18:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	11/18/24 15:20	11/19/24 18:11	1
1,4-Difluorobenzene (Surr)	88		70 - 130	11/18/24 15:20	11/19/24 18:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00287	U	0.00287		mg/Kg			11/19/24 18:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	4040		49.9		mg/Kg			11/20/24 00:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U *1	49.9		mg/Kg		11/18/24 15:07	11/20/24 00:56	1
Over C10-C28	4040	*1	49.9		mg/Kg		11/18/24 15:07	11/20/24 00:56	1
Over C28-C36	<49.9	U	49.9		mg/Kg		11/18/24 15:07	11/20/24 00:56	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-4 (5')

Date Collected: 11/15/24 00:00

Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-36

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	11/18/24 15:07	11/20/24 00:56	1
o-Terphenyl	122		70 - 130	11/18/24 15:07	11/20/24 00:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1200		9.96		mg/Kg			11/19/24 07:29	1

Client Sample ID: T-4 (6')

Date Collected: 11/15/24 00:00

Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-37

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00141	U	0.00141		mg/Kg		11/18/24 15:20	11/19/24 18:32	1
Toluene	<0.00141	U	0.00141		mg/Kg		11/18/24 15:20	11/19/24 18:32	1
Ethylbenzene	<0.00141	U	0.00141		mg/Kg		11/18/24 15:20	11/19/24 18:32	1
m-Xylene & p-Xylene	<0.00282	U	0.00282		mg/Kg		11/18/24 15:20	11/19/24 18:32	1
o-Xylene	0.00785		0.00141		mg/Kg		11/18/24 15:20	11/19/24 18:32	1
Xylenes, Total	0.00785		0.00282		mg/Kg		11/18/24 15:20	11/19/24 18:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	11/18/24 15:20	11/19/24 18:32	1
1,4-Difluorobenzene (Surr)	86		70 - 130	11/18/24 15:20	11/19/24 18:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00785		0.00282		mg/Kg			11/19/24 18:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	63.7		49.7		mg/Kg			11/20/24 01:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.7	U *1	49.7		mg/Kg		11/18/24 15:07	11/20/24 01:12	1
Over C10-C28	63.7	*1	49.7		mg/Kg		11/18/24 15:07	11/20/24 01:12	1
Over C28-C36	<49.7	U	49.7		mg/Kg		11/18/24 15:07	11/20/24 01:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	11/18/24 15:07	11/20/24 01:12	1
o-Terphenyl	100		70 - 130	11/18/24 15:07	11/20/24 01:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	404		10.0		mg/Kg			11/19/24 07:49	1

Client Sample ID: T-4 (7')

Date Collected: 11/15/24 00:00

Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-38

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00139		mg/Kg		11/18/24 15:20	11/19/24 18:52	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-4 (7')

Lab Sample ID: 880-51174-38

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00139	U	0.00139		mg/Kg		11/18/24 15:20	11/19/24 18:52	1
Ethylbenzene	<0.00139	U	0.00139		mg/Kg		11/18/24 15:20	11/19/24 18:52	1
m-Xylene & p-Xylene	<0.00279	U	0.00279		mg/Kg		11/18/24 15:20	11/19/24 18:52	1
o-Xylene	0.00242		0.00139		mg/Kg		11/18/24 15:20	11/19/24 18:52	1
Xylenes, Total	<0.00279	U	0.00279		mg/Kg		11/18/24 15:20	11/19/24 18:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	11/18/24 15:20	11/19/24 18:52	1
1,4-Difluorobenzene (Surr)	83		70 - 130	11/18/24 15:20	11/19/24 18:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00279	U	0.00279		mg/Kg			11/19/24 18:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/20/24 01:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.8	U *1	49.8		mg/Kg		11/18/24 15:07	11/20/24 01:29	1
Over C10-C28	<49.8	U *1	49.8		mg/Kg		11/18/24 15:07	11/20/24 01:29	1
Over C28-C36	<49.8	U	49.8		mg/Kg		11/18/24 15:07	11/20/24 01:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	11/18/24 15:07	11/20/24 01:29	1
o-Terphenyl	111		70 - 130	11/18/24 15:07	11/20/24 01:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	256		10.0		mg/Kg			11/19/24 07:55	1

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

Lab Sample ID: 880-51174-39

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/18/24 15:20	11/19/24 19:13	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/18/24 15:20	11/19/24 19:13	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/18/24 15:20	11/19/24 19:13	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/18/24 15:20	11/19/24 19:13	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/18/24 15:20	11/19/24 19:13	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/18/24 15:20	11/19/24 19:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	11/18/24 15:20	11/19/24 19:13	1
1,4-Difluorobenzene (Surr)	87		70 - 130	11/18/24 15:20	11/19/24 19:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/19/24 19:13	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

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

Lab Sample ID: 880-51174-39

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/20/24 01:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U *1	49.9		mg/Kg		11/18/24 15:07	11/20/24 01:44	1
Over C10-C28	<49.9	U *1	49.9		mg/Kg		11/18/24 15:07	11/20/24 01:44	1
Over C28-C36	<49.9	U	49.9		mg/Kg		11/18/24 15:07	11/20/24 01:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	11/18/24 15:07	11/20/24 01:44	1
o-Terphenyl	106		70 - 130	11/18/24 15:07	11/20/24 01:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8460		99.6		mg/Kg			11/19/24 08:15	10

Client Sample ID: T-5 (1.5')

Lab Sample ID: 880-51174-40

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/18/24 15:20	11/19/24 19:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/18/24 15:20	11/19/24 19:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/18/24 15:20	11/19/24 19:33	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/18/24 15:20	11/19/24 19:33	1
o-Xylene	0.00647		0.00202		mg/Kg		11/18/24 15:20	11/19/24 19:33	1
Xylenes, Total	0.00647		0.00404		mg/Kg		11/18/24 15:20	11/19/24 19:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	11/18/24 15:20	11/19/24 19:33	1
1,4-Difluorobenzene (Surr)	83		70 - 130	11/18/24 15:20	11/19/24 19:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00647		0.00404		mg/Kg			11/19/24 19:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/20/24 02:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.8	U *1	49.8		mg/Kg		11/18/24 15:07	11/20/24 02:01	1
Over C10-C28	<49.8	U *1	49.8		mg/Kg		11/18/24 15:07	11/20/24 02:01	1
Over C28-C36	<49.8	U	49.8		mg/Kg		11/18/24 15:07	11/20/24 02:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	11/18/24 15:07	11/20/24 02:01	1
o-Terphenyl	97		70 - 130	11/18/24 15:07	11/20/24 02:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-5 (1.5')

Lab Sample ID: 880-51174-40

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1720		49.5		mg/Kg			11/19/24 08:22	5

Client Sample ID: T-5 (2')

Lab Sample ID: 880-51174-41

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:00	11/19/24 12:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:00	11/19/24 12:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:00	11/19/24 12:01	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/19/24 09:00	11/19/24 12:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:00	11/19/24 12:01	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/19/24 09:00	11/19/24 12:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	186	S1+	70 - 130	11/19/24 09:00	11/19/24 12:01	1
1,4-Difluorobenzene (Surr)	81		70 - 130	11/19/24 09:00	11/19/24 12:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/19/24 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/20/24 02:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U *1	49.9		mg/Kg		11/18/24 15:07	11/20/24 02:16	1
Over C10-C28	<49.9	U *1	49.9		mg/Kg		11/18/24 15:07	11/20/24 02:16	1
Over C28-C36	<49.9	U	49.9		mg/Kg		11/18/24 15:07	11/20/24 02:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	11/18/24 15:07	11/20/24 02:16	1
o-Terphenyl	99		70 - 130	11/18/24 15:07	11/20/24 02:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2220		49.5		mg/Kg			11/19/24 08:29	5

Client Sample ID: T-5 (3')

Lab Sample ID: 880-51174-42

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:00	11/19/24 13:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:00	11/19/24 13:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:00	11/19/24 13:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/19/24 09:00	11/19/24 13:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:00	11/19/24 13:23	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-5 (3')

Lab Sample ID: 880-51174-42

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/19/24 09:00	11/19/24 13:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	215	S1+	70 - 130				11/19/24 09:00	11/19/24 13:23	1
1,4-Difluorobenzene (Surr)	77		70 - 130				11/19/24 09:00	11/19/24 13:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/19/24 13:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/20/24 11:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		11/18/24 15:11	11/20/24 11:33	1
Over C10-C28	<50.0	U	50.0		mg/Kg		11/18/24 15:11	11/20/24 11:33	1
Over C28-C36	<50.0	U	50.0		mg/Kg		11/18/24 15:11	11/20/24 11:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				11/18/24 15:11	11/20/24 11:33	1
o-Terphenyl	90		70 - 130				11/18/24 15:11	11/20/24 11:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2220		50.4		mg/Kg			11/19/24 08:35	5

Client Sample ID: T-5 (4')

Lab Sample ID: 880-51174-43

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:00	11/19/24 13:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:00	11/19/24 13:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:00	11/19/24 13:43	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/19/24 09:00	11/19/24 13:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:00	11/19/24 13:43	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/19/24 09:00	11/19/24 13:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	226	S1+	70 - 130				11/19/24 09:00	11/19/24 13:43	1
1,4-Difluorobenzene (Surr)	75		70 - 130				11/19/24 09:00	11/19/24 13:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/19/24 13:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	94.7		50.0		mg/Kg			11/20/24 12:46	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-5 (4')

Date Collected: 11/15/24 00:00

Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-43

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		11/18/24 15:11	11/20/24 12:46	1
Over C10-C28	94.7		50.0		mg/Kg		11/18/24 15:11	11/20/24 12:46	1
Over C28-C36	<50.0	U	50.0		mg/Kg		11/18/24 15:11	11/20/24 12:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				11/18/24 15:11	11/20/24 12:46	1
o-Terphenyl	184	S1+	70 - 130				11/18/24 15:11	11/20/24 12:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9530		198		mg/Kg			11/19/24 08:42	20

Client Sample ID: T-5 (5')

Date Collected: 11/15/24 00:00

Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-44

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:00	11/19/24 14:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:00	11/19/24 14:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:00	11/19/24 14:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/19/24 09:00	11/19/24 14:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:00	11/19/24 14:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/19/24 09:00	11/19/24 14:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	244	S1+	70 - 130				11/19/24 09:00	11/19/24 14:04	1
1,4-Difluorobenzene (Surr)	74		70 - 130				11/19/24 09:00	11/19/24 14:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/19/24 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/20/24 13:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U	49.9		mg/Kg		11/18/24 15:11	11/20/24 13:00	1
Over C10-C28	<49.9	U	49.9		mg/Kg		11/18/24 15:11	11/20/24 13:00	1
Over C28-C36	<49.9	U	49.9		mg/Kg		11/18/24 15:11	11/20/24 13:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				11/18/24 15:11	11/20/24 13:00	1
o-Terphenyl	94		70 - 130				11/18/24 15:11	11/20/24 13:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1280		10.1		mg/Kg			11/19/24 09:09	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-5 (6')

Lab Sample ID: 880-51174-45

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/19/24 09:00	11/19/24 14:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/19/24 09:00	11/19/24 14:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/19/24 09:00	11/19/24 14:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/19/24 09:00	11/19/24 14:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/19/24 09:00	11/19/24 14:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/19/24 09:00	11/19/24 14:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	267	S1+	70 - 130				11/19/24 09:00	11/19/24 14:24	1
1,4-Difluorobenzene (Surr)	71		70 - 130				11/19/24 09:00	11/19/24 14:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/19/24 14:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/20/24 13:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		11/18/24 15:11	11/20/24 13:14	1
Over C10-C28	<50.0	U	50.0		mg/Kg		11/18/24 15:11	11/20/24 13:14	1
Over C28-C36	<50.0	U	50.0		mg/Kg		11/18/24 15:11	11/20/24 13:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				11/18/24 15:11	11/20/24 13:14	1
o-Terphenyl	91		70 - 130				11/18/24 15:11	11/20/24 13:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1860		49.9		mg/Kg			11/19/24 09:15	5

Client Sample ID: T-5 (7')

Lab Sample ID: 880-51174-46

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00138		mg/Kg		11/19/24 09:00	11/19/24 18:11	1
Toluene	<0.00138	U	0.00138		mg/Kg		11/19/24 09:00	11/19/24 18:11	1
Ethylbenzene	<0.00138	U	0.00138		mg/Kg		11/19/24 09:00	11/19/24 18:11	1
m-Xylene & p-Xylene	<0.00277	U	0.00277		mg/Kg		11/19/24 09:00	11/19/24 18:11	1
o-Xylene	<0.00138	U	0.00138		mg/Kg		11/19/24 09:00	11/19/24 18:11	1
Xylenes, Total	<0.00277	U	0.00277		mg/Kg		11/19/24 09:00	11/19/24 18:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	175	S1+	70 - 130				11/19/24 09:00	11/19/24 18:11	1
1,4-Difluorobenzene (Surr)	103		70 - 130				11/19/24 09:00	11/19/24 18:11	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-5 (7')

Lab Sample ID: 880-51174-46

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00277	U	0.00277		mg/Kg			11/19/24 18:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/20/24 13:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U	49.9		mg/Kg		11/18/24 15:11	11/20/24 13:29	1
Over C10-C28	<49.9	U	49.9		mg/Kg		11/18/24 15:11	11/20/24 13:29	1
Over C28-C36	<49.9	U	49.9		mg/Kg		11/18/24 15:11	11/20/24 13:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	11/18/24 15:11	11/20/24 13:29	1
o-Terphenyl	91		70 - 130	11/18/24 15:11	11/20/24 13:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1870		49.6		mg/Kg			11/19/24 10:09	5

Client Sample ID: T-5 (8')

Lab Sample ID: 880-51174-47

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00120	U	0.00120		mg/Kg		11/19/24 09:00	11/19/24 18:31	1
Toluene	<0.00120	U	0.00120		mg/Kg		11/19/24 09:00	11/19/24 18:31	1
Ethylbenzene	<0.00120	U	0.00120		mg/Kg		11/19/24 09:00	11/19/24 18:31	1
m-Xylene & p-Xylene	<0.00240	U	0.00240		mg/Kg		11/19/24 09:00	11/19/24 18:31	1
o-Xylene	<0.00120	U	0.00120		mg/Kg		11/19/24 09:00	11/19/24 18:31	1
Xylenes, Total	<0.00240	U	0.00240		mg/Kg		11/19/24 09:00	11/19/24 18:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	11/19/24 09:00	11/19/24 18:31	1
1,4-Difluorobenzene (Surr)	104		70 - 130	11/19/24 09:00	11/19/24 18:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00240	U	0.00240		mg/Kg			11/19/24 18:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/20/24 13:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.8	U	49.8		mg/Kg		11/18/24 15:11	11/20/24 13:43	1
Over C10-C28	<49.8	U	49.8		mg/Kg		11/18/24 15:11	11/20/24 13:43	1
Over C28-C36	<49.8	U	49.8		mg/Kg		11/18/24 15:11	11/20/24 13:43	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-5 (8')

Lab Sample ID: 880-51174-47

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	11/18/24 15:11	11/20/24 13:43	1
o-Terphenyl	92		70 - 130	11/18/24 15:11	11/20/24 13:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	645		10.0		mg/Kg			11/19/24 10:29	1

Client Sample ID: T-5 (9')

Lab Sample ID: 880-51174-48

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00114	U	0.00114		mg/Kg		11/19/24 09:00	11/19/24 18:52	1
Toluene	<0.00114	U	0.00114		mg/Kg		11/19/24 09:00	11/19/24 18:52	1
Ethylbenzene	<0.00114	U	0.00114		mg/Kg		11/19/24 09:00	11/19/24 18:52	1
m-Xylene & p-Xylene	<0.00228	U	0.00228		mg/Kg		11/19/24 09:00	11/19/24 18:52	1
o-Xylene	<0.00114	U	0.00114		mg/Kg		11/19/24 09:00	11/19/24 18:52	1
Xylenes, Total	<0.00228	U	0.00228		mg/Kg		11/19/24 09:00	11/19/24 18:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	11/19/24 09:00	11/19/24 18:52	1
1,4-Difluorobenzene (Surr)	105		70 - 130	11/19/24 09:00	11/19/24 18:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00228		mg/Kg			11/19/24 18:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/20/24 13:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U	49.9		mg/Kg		11/18/24 15:11	11/20/24 13:58	1
Over C10-C28	<49.9	U	49.9		mg/Kg		11/18/24 15:11	11/20/24 13:58	1
Over C28-C36	<49.9	U	49.9		mg/Kg		11/18/24 15:11	11/20/24 13:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	11/18/24 15:11	11/20/24 13:58	1
o-Terphenyl	98		70 - 130	11/18/24 15:11	11/20/24 13:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	555		10.1		mg/Kg			11/19/24 10:35	1

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

Lab Sample ID: 880-51174-49

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.268		0.0499		mg/Kg		11/19/24 09:00	11/19/24 14:45	25

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

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

Lab Sample ID: 880-51174-49

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	28.8		0.504		mg/Kg		11/20/24 09:49	11/20/24 13:28	250
Ethylbenzene	44.0		0.504		mg/Kg		11/20/24 09:49	11/20/24 13:28	250
m-Xylene & p-Xylene	66.1		1.01		mg/Kg		11/20/24 09:49	11/20/24 13:28	250
o-Xylene	30.2		0.504		mg/Kg		11/20/24 09:49	11/20/24 13:28	250
Xylenes, Total	96.3		1.01		mg/Kg		11/20/24 09:49	11/20/24 13:28	250

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	971	S1+	70 - 130	11/19/24 09:00	11/19/24 14:45	25
1,4-Difluorobenzene (Surr)	71		70 - 130	11/19/24 09:00	11/19/24 14:45	25

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	169		1.01		mg/Kg			11/20/24 13:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	6260		50.0		mg/Kg			11/20/24 14:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	1220		50.0		mg/Kg		11/18/24 15:11	11/20/24 14:13	1
Over C10-C28	5040		50.0		mg/Kg		11/18/24 15:11	11/20/24 14:13	1
Over C28-C36	<50.0	U	50.0		mg/Kg		11/18/24 15:11	11/20/24 14:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	153	S1+	70 - 130	11/18/24 15:11	11/20/24 14:13	1
o-Terphenyl	173	S1+	70 - 130	11/18/24 15:11	11/20/24 14:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5050		100		mg/Kg			11/19/24 10:42	10

Client Sample ID: T-6 (1.5')

Lab Sample ID: 880-51174-50

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0504	U	0.0504		mg/Kg		11/19/24 09:00	11/19/24 15:05	25
Toluene	<0.0504	U	0.0504		mg/Kg		11/19/24 09:00	11/19/24 15:05	25
Ethylbenzene	0.112		0.0504		mg/Kg		11/19/24 09:00	11/19/24 15:05	25
m-Xylene & p-Xylene	0.776		0.101		mg/Kg		11/19/24 09:00	11/19/24 15:05	25
o-Xylene	<0.0504	U	0.0504		mg/Kg		11/19/24 09:00	11/19/24 15:05	25
Xylenes, Total	0.776		0.101		mg/Kg		11/19/24 09:00	11/19/24 15:05	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	400	S1+	70 - 130	11/19/24 09:00	11/19/24 15:05	25
1,4-Difluorobenzene (Surr)	71		70 - 130	11/19/24 09:00	11/19/24 15:05	25

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.888		0.101		mg/Kg			11/19/24 15:05	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-6 (1.5')

Lab Sample ID: 880-51174-50

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	162		49.9		mg/Kg			11/20/24 14:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U	49.9		mg/Kg		11/18/24 15:11	11/20/24 14:28	1
Over C10-C28	162		49.9		mg/Kg		11/18/24 15:11	11/20/24 14:28	1
Over C28-C36	<49.9	U	49.9		mg/Kg		11/18/24 15:11	11/20/24 14:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	11/18/24 15:11	11/20/24 14:28	1
o-Terphenyl	94		70 - 130	11/18/24 15:11	11/20/24 14:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7040		100		mg/Kg			11/19/24 10:49	10

Client Sample ID: T-6 (2')

Lab Sample ID: 880-51174-51

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00176		0.00138		mg/Kg		11/19/24 08:56	11/19/24 16:15	1
Toluene	0.00554		0.00138		mg/Kg		11/19/24 08:56	11/19/24 16:15	1
Ethylbenzene	0.00388		0.00138		mg/Kg		11/19/24 08:56	11/19/24 16:15	1
m-Xylene & p-Xylene	0.00448		0.00277		mg/Kg		11/19/24 08:56	11/19/24 16:15	1
o-Xylene	0.00172		0.00138		mg/Kg		11/19/24 08:56	11/19/24 16:15	1
Xylenes, Total	0.00620		0.00277		mg/Kg		11/19/24 08:56	11/19/24 16:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	11/19/24 08:56	11/19/24 16:15	1
1,4-Difluorobenzene (Surr)	99		70 - 130	11/19/24 08:56	11/19/24 16:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0174		0.00277		mg/Kg			11/19/24 16:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/20/24 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		11/18/24 15:11	11/20/24 14:44	1
Over C10-C28	<50.0	U	50.0		mg/Kg		11/18/24 15:11	11/20/24 14:44	1
Over C28-C36	<50.0	U	50.0		mg/Kg		11/18/24 15:11	11/20/24 14:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	11/18/24 15:11	11/20/24 14:44	1
o-Terphenyl	111		70 - 130	11/18/24 15:11	11/20/24 14:44	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-6 (2')

Lab Sample ID: 880-51174-51

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6470		99.4		mg/Kg			11/19/24 11:09	10

Client Sample ID: T-6 (3')

Lab Sample ID: 880-51174-52

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.399	U	0.399		mg/Kg		11/20/24 09:49	11/20/24 13:48	200
Toluene	0.614		0.399		mg/Kg		11/20/24 09:49	11/20/24 13:48	200
Ethylbenzene	0.998		0.399		mg/Kg		11/20/24 09:49	11/20/24 13:48	200
m-Xylene & p-Xylene	2.03		0.798		mg/Kg		11/20/24 09:49	11/20/24 13:48	200
o-Xylene	0.938		0.399		mg/Kg		11/20/24 09:49	11/20/24 13:48	200
Xylenes, Total	2.97		0.798		mg/Kg		11/20/24 09:49	11/20/24 13:48	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	11/20/24 09:49	11/20/24 13:48	200
1,4-Difluorobenzene (Surr)	96		70 - 130	11/20/24 09:49	11/20/24 13:48	200

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	4.58		0.798		mg/Kg			11/20/24 13:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	513		50.0		mg/Kg			11/20/24 15:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		11/18/24 15:11	11/20/24 15:14	1
Over C10-C28	513		50.0		mg/Kg		11/18/24 15:11	11/20/24 15:14	1
Over C28-C36	<50.0	U	50.0		mg/Kg		11/18/24 15:11	11/20/24 15:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130	11/18/24 15:11	11/20/24 15:14	1
o-Terphenyl	88		70 - 130	11/18/24 15:11	11/20/24 15:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4760		99.2		mg/Kg			11/19/24 11:15	10

Client Sample ID: T-6 (4')

Lab Sample ID: 880-51174-53

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.399	U	0.399		mg/Kg		11/20/24 09:49	11/20/24 14:08	200
Toluene	0.567		0.399		mg/Kg		11/20/24 09:49	11/20/24 14:08	200
Ethylbenzene	0.631		0.399		mg/Kg		11/20/24 09:49	11/20/24 14:08	200
m-Xylene & p-Xylene	1.33		0.798		mg/Kg		11/20/24 09:49	11/20/24 14:08	200
o-Xylene	0.951		0.399		mg/Kg		11/20/24 09:49	11/20/24 14:08	200

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-6 (4')

Lab Sample ID: 880-51174-53

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	2.28		0.798		mg/Kg		11/20/24 09:49	11/20/24 14:08	200
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				11/20/24 09:49	11/20/24 14:08	200
1,4-Difluorobenzene (Surr)	96		70 - 130				11/20/24 09:49	11/20/24 14:08	200

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	3.48		0.798		mg/Kg			11/20/24 14:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	476		50.0		mg/Kg			11/21/24 14:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		11/20/24 13:57	11/21/24 14:15	1
Over C10-C28	476		50.0		mg/Kg		11/20/24 13:57	11/21/24 14:15	1
Over C28-C36	<50.0	U	50.0		mg/Kg		11/20/24 13:57	11/21/24 14:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				11/20/24 13:57	11/21/24 14:15	1
o-Terphenyl	77		70 - 130				11/20/24 13:57	11/21/24 14:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4470		100		mg/Kg			11/19/24 11:22	10

Client Sample ID: T-6 (5')

Lab Sample ID: 880-51174-54

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00143	U	0.00143		mg/Kg		11/19/24 08:56	11/19/24 16:36	1
Toluene	<0.00143	U	0.00143		mg/Kg		11/19/24 08:56	11/19/24 16:36	1
Ethylbenzene	<0.00143	U	0.00143		mg/Kg		11/19/24 08:56	11/19/24 16:36	1
m-Xylene & p-Xylene	<0.00287	U	0.00287		mg/Kg		11/19/24 08:56	11/19/24 16:36	1
o-Xylene	0.00244		0.00143		mg/Kg		11/19/24 08:56	11/19/24 16:36	1
Xylenes, Total	<0.00287	U	0.00287		mg/Kg		11/19/24 08:56	11/19/24 16:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				11/19/24 08:56	11/19/24 16:36	1
1,4-Difluorobenzene (Surr)	93		70 - 130				11/19/24 08:56	11/19/24 16:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00287	U	0.00287		mg/Kg			11/19/24 16:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/20/24 16:59	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-6 (5')

Lab Sample ID: 880-51174-54

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		11/18/24 15:11	11/20/24 16:59	1
Over C10-C28	<50.0	U	50.0		mg/Kg		11/18/24 15:11	11/20/24 16:59	1
Over C28-C36	<50.0	U	50.0		mg/Kg		11/18/24 15:11	11/20/24 16:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	11/18/24 15:11	11/20/24 16:59	1
o-Terphenyl	89		70 - 130	11/18/24 15:11	11/20/24 16:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2530		49.9		mg/Kg			11/19/24 11:29	5

Client Sample ID: T-6 (6')

Lab Sample ID: 880-51174-55

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00218	U	0.00218		mg/Kg		11/19/24 08:56	11/19/24 16:56	1
Toluene	<0.00218	U	0.00218		mg/Kg		11/19/24 08:56	11/19/24 16:56	1
Ethylbenzene	<0.00218	U	0.00218		mg/Kg		11/19/24 08:56	11/19/24 16:56	1
m-Xylene & p-Xylene	<0.00436	U	0.00436		mg/Kg		11/19/24 08:56	11/19/24 16:56	1
o-Xylene	0.00904		0.00218		mg/Kg		11/19/24 08:56	11/19/24 16:56	1
Xylenes, Total	0.00904		0.00436		mg/Kg		11/19/24 08:56	11/19/24 16:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	11/19/24 08:56	11/19/24 16:56	1
1,4-Difluorobenzene (Surr)	90		70 - 130	11/19/24 08:56	11/19/24 16:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00904		0.00436		mg/Kg			11/19/24 16:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/20/24 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.8	U	49.8		mg/Kg		11/18/24 15:11	11/20/24 17:14	1
Over C10-C28	<49.8	U	49.8		mg/Kg		11/18/24 15:11	11/20/24 17:14	1
Over C28-C36	<49.8	U	49.8		mg/Kg		11/18/24 15:11	11/20/24 17:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	11/18/24 15:11	11/20/24 17:14	1
o-Terphenyl	86		70 - 130	11/18/24 15:11	11/20/24 17:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2070		50.2		mg/Kg			11/19/24 11:35	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-6 (7')

Lab Sample ID: 880-51174-56

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00143	U	0.00143		mg/Kg		11/19/24 08:56	11/19/24 17:17	1
Toluene	<0.00143	U	0.00143		mg/Kg		11/19/24 08:56	11/19/24 17:17	1
Ethylbenzene	<0.00143	U	0.00143		mg/Kg		11/19/24 08:56	11/19/24 17:17	1
m-Xylene & p-Xylene	<0.00287	U	0.00287		mg/Kg		11/19/24 08:56	11/19/24 17:17	1
o-Xylene	<0.00143	U	0.00143		mg/Kg		11/19/24 08:56	11/19/24 17:17	1
Xylenes, Total	<0.00287	U	0.00287		mg/Kg		11/19/24 08:56	11/19/24 17:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	11/19/24 08:56	11/19/24 17:17	1
1,4-Difluorobenzene (Surr)	91		70 - 130	11/19/24 08:56	11/19/24 17:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00287	U	0.00287		mg/Kg			11/19/24 17:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/20/24 17:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		11/18/24 15:11	11/20/24 17:29	1
Over C10-C28	<50.0	U	50.0		mg/Kg		11/18/24 15:11	11/20/24 17:29	1
Over C28-C36	<50.0	U	50.0		mg/Kg		11/18/24 15:11	11/20/24 17:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	11/18/24 15:11	11/20/24 17:29	1
o-Terphenyl	95		70 - 130	11/18/24 15:11	11/20/24 17:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3040	F1	50.4		mg/Kg			11/19/24 11:42	5

Client Sample ID: T-6 (8')

Lab Sample ID: 880-51174-57

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00141	U	0.00141		mg/Kg		11/19/24 08:56	11/19/24 17:37	1
Toluene	0.00248		0.00141		mg/Kg		11/19/24 08:56	11/19/24 17:37	1
Ethylbenzene	0.0108		0.00141		mg/Kg		11/19/24 08:56	11/19/24 17:37	1
m-Xylene & p-Xylene	0.0232		0.00282		mg/Kg		11/19/24 08:56	11/19/24 17:37	1
o-Xylene	0.0159		0.00141		mg/Kg		11/19/24 08:56	11/19/24 17:37	1
Xylenes, Total	0.0391		0.00282		mg/Kg		11/19/24 08:56	11/19/24 17:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	11/19/24 08:56	11/19/24 17:37	1
1,4-Difluorobenzene (Surr)	96		70 - 130	11/19/24 08:56	11/19/24 17:37	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-6 (8')

Lab Sample ID: 880-51174-57

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0524		0.00282		mg/Kg			11/19/24 17:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	71.9		49.8		mg/Kg			11/20/24 17:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.8	U	49.8		mg/Kg		11/18/24 15:11	11/20/24 17:43	1
Over C10-C28	71.9		49.8		mg/Kg		11/18/24 15:11	11/20/24 17:43	1
Over C28-C36	<49.8	U	49.8		mg/Kg		11/18/24 15:11	11/20/24 17:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				11/18/24 15:11	11/20/24 17:43	1
o-Terphenyl	104		70 - 130				11/18/24 15:11	11/20/24 17:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3140		49.6		mg/Kg			11/19/24 12:02	5

Client Sample ID: T-6 (9')

Lab Sample ID: 880-51174-58

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00139		mg/Kg		11/19/24 08:56	11/19/24 17:58	1
Toluene	<0.00139	U	0.00139		mg/Kg		11/19/24 08:56	11/19/24 17:58	1
Ethylbenzene	0.00164		0.00139		mg/Kg		11/19/24 08:56	11/19/24 17:58	1
m-Xylene & p-Xylene	<0.00279	U	0.00279		mg/Kg		11/19/24 08:56	11/19/24 17:58	1
o-Xylene	0.0329		0.00139		mg/Kg		11/19/24 08:56	11/19/24 17:58	1
Xylenes, Total	0.0329		0.00279		mg/Kg		11/19/24 08:56	11/19/24 17:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				11/19/24 08:56	11/19/24 17:58	1
1,4-Difluorobenzene (Surr)	86		70 - 130				11/19/24 08:56	11/19/24 17:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0345		0.00279		mg/Kg			11/19/24 17:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	56.3		49.9		mg/Kg			11/20/24 17:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<49.9	U	49.9		mg/Kg		11/18/24 15:11	11/20/24 17:58	1
Over C10-C28	56.3		49.9		mg/Kg		11/18/24 15:11	11/20/24 17:58	1
Over C28-C36	<49.9	U	49.9		mg/Kg		11/18/24 15:11	11/20/24 17:58	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-6 (9')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-58
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	11/18/24 15:11	11/20/24 17:58	1
o-Terphenyl	100		70 - 130	11/18/24 15:11	11/20/24 17:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3360		50.4		mg/Kg			11/19/24 12:09	5

Surrogate Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-51121-A-71-F MS	Matrix Spike	110	98
880-51121-A-71-G MSD	Matrix Spike Duplicate	112	98
880-51174-1	T-1 (0-1')	241 S1+	94
880-51174-2	T-1 (1.5')	417 S1+	82
880-51174-3	T-1 (2')	500 S1+	100
880-51174-4	T-1 (3')	110	91
880-51174-4 MS	T-1 (3')	109	109
880-51174-4 MSD	T-1 (3')	121	117
880-51174-5	T-1 (4')	126	97
880-51174-6	T-1 (5')	242 S1+	93
880-51174-7	T-1 (6')	129	99
880-51174-8	T-1 (7')	115	92
880-51174-9	T-1 (8')	117	95
880-51174-10	T-2 (0-1')	630 S1+	80
880-51174-11	T-2 (1.5')	568 S1+	117
880-51174-12	T-2 (2')	660 S1+	78
880-51174-13	T-2 (3')	410 S1+	99
880-51174-14	T-2 (4')	1174 S1+	75
880-51174-15	T-2 (5')	380 S1+	83
880-51174-16	T-2 (6')	109	99
880-51174-17	T-2 (7')	98	101
880-51174-18	T-2 (8')	104	101
880-51174-19	T-2 (9')	99	98
880-51174-20	T-3 (0-1')	96	100
880-51174-21	T-3 (1.5')	89	78
880-51174-21 MS	T-3 (1.5')	106	88
880-51174-21 MSD	T-3 (1.5')	110	101
880-51174-22	T-3 (2')	86	82
880-51174-23	T-3 (3')	94	80
880-51174-24	T-3 (4')	92	77
880-51174-25	T-3 (5')	90	76
880-51174-26	T-3 (6')	95	81
880-51174-27	T-3 (7')	93	78
880-51174-28	T-3 (8')	93	80
880-51174-29	T-3 (9')	91	80
880-51174-30	T-3 (10')	88	79
880-51174-31	T-4 (0-1')	93	85
880-51174-32	T-4 (1.5')	89	72
880-51174-33	T-4 (2')	89	76
880-51174-34	T-4 (3')	90	77
880-51174-35	T-4 (4')	88	87
880-51174-36	T-4 (5')	104	88
880-51174-37	T-4 (6')	89	86
880-51174-38	T-4 (7')	84	83
880-51174-39	T-5 (0-1')	103	87
880-51174-40	T-5 (1.5')	86	83
880-51174-41	T-5 (2')	186 S1+	81
880-51174-41 MS	T-5 (2')	178 S1+	83
880-51174-41 MSD	T-5 (2')	179 S1+	82

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
 Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
 SDG: 2540 Lea County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-51174-42	T-5 (3')	215 S1+	77
880-51174-43	T-5 (4')	226 S1+	75
880-51174-44	T-5 (5')	244 S1+	74
880-51174-45	T-5 (6')	267 S1+	71
880-51174-46	T-5 (7')	175 S1+	103
880-51174-47	T-5 (8')	115	104
880-51174-48	T-5 (9')	112	105
880-51174-49	T-6 (0-1')	971 S1+	71
880-51174-50	T-6 (1.5')	400 S1+	71
880-51174-51	T-6 (2')	121	99
880-51174-52	T-6 (3')	116	96
880-51174-53	T-6 (4')	116	96
880-51174-54	T-6 (5')	109	93
880-51174-55	T-6 (6')	113	90
880-51174-56	T-6 (7')	111	91
880-51174-57	T-6 (8')	124	96
880-51174-58	T-6 (9')	97	86
880-51244-A-1-B MS	Matrix Spike	111	97
880-51244-A-1-C MSD	Matrix Spike Duplicate	112	97
880-51266-A-1-B MS	Matrix Spike	96	101
880-51266-A-1-C MSD	Matrix Spike Duplicate	99	99
890-7400-A-1-G MS	Matrix Spike	96	100
890-7400-A-1-H MSD	Matrix Spike Duplicate	99	98
890-7400-A-9-C MS	Matrix Spike	101	102
890-7400-A-9-D MSD	Matrix Spike Duplicate	102	101
890-7403-A-19-B MS	Matrix Spike	115	96
890-7403-A-19-C MSD	Matrix Spike Duplicate	109	95
LCS 880-95992/1-A	Lab Control Sample	105	99
LCS 880-96014/1-A	Lab Control Sample	98	102
LCS 880-96015/1-A	Lab Control Sample	168 S1+	82
LCS 880-96057/1-A	Lab Control Sample	102	95
LCS 880-96059/1-A	Lab Control Sample	108	98
LCS 880-96061/1-A	Lab Control Sample	101	103
LCS 880-96118/1-A	Lab Control Sample	100	100
LCS 880-96163/1-A	Lab Control Sample	111	97
LCS 880-96233/1-A	Lab Control Sample	116	97
LCSD 880-95992/2-A	Lab Control Sample Dup	100	100
LCSD 880-96014/2-A	Lab Control Sample Dup	104	108
LCSD 880-96015/2-A	Lab Control Sample Dup	173 S1+	83
LCSD 880-96057/2-A	Lab Control Sample Dup	105	101
LCSD 880-96059/2-A	Lab Control Sample Dup	109	98
LCSD 880-96061/2-A	Lab Control Sample Dup	103	100
LCSD 880-96118/2-A	Lab Control Sample Dup	99	103
LCSD 880-96163/2-A	Lab Control Sample Dup	112	97
LCSD 880-96233/2-A	Lab Control Sample Dup	114	96
MB 880-95921/5-A	Method Blank	111	89
MB 880-95992/5-A	Method Blank	110	88
MB 880-96014/5-A	Method Blank	78	87
MB 880-96015/5-A	Method Blank	184 S1+	79
MB 880-96057/5-A	Method Blank	111	90

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
MB 880-96059/5-A	Method Blank	112	96
MB 880-96061/5-A	Method Blank	95	95
MB 880-96118/5-A	Method Blank	107	85
MB 880-96163/5-A	Method Blank	122	97
MB 880-96233/5-A	Method Blank	120	93
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)
880-51174-1	T-1 (0-1')	129	225 S1+
880-51174-2	T-1 (1.5')	156 S1+	165 S1+
880-51174-3	T-1 (2')	160 S1+	174 S1+
880-51174-4	T-1 (3')	87	78
880-51174-5	T-1 (4')	81	75
880-51174-6	T-1 (5')	96	88
880-51174-7	T-1 (6')	85	78
880-51174-8	T-1 (7')	83	73
880-51174-9	T-1 (8')	82	73
880-51174-10	T-2 (0-1')	187 S1+	326 S1+
880-51174-11	T-2 (1.5')	166 S1+	186 S1+
880-51174-12	T-2 (2')	264 S1+	280 S1+
880-51174-13	T-2 (3')	269 S1+	282 S1+
880-51174-14	T-2 (4')	139 S1+	144 S1+
880-51174-15	T-2 (5')	164 S1+	182 S1+
880-51174-16	T-2 (6')	83	75
880-51174-16 MS	T-2 (6')	103	84
880-51174-16 MSD	T-2 (6')	101	81
880-51174-17	T-2 (7')	81	75
880-51174-18	T-2 (8')	83	73
880-51174-19	T-2 (9')	81	72
880-51174-20	T-3 (0-1')	78	69 S1-
880-51174-21	T-3 (1.5')	81	72
880-51174-22	T-3 (2')	117	108
880-51174-22 MS	T-3 (2')	103	104
880-51174-22 MSD	T-3 (2')	103	104
880-51174-23	T-3 (3')	102	94
880-51174-24	T-3 (4')	105	96
880-51174-25	T-3 (5')	116	106
880-51174-26	T-3 (6')	121	111
880-51174-27	T-3 (7')	114	105
880-51174-28	T-3 (8')	111	102
880-51174-29	T-3 (9')	103	93
880-51174-30	T-3 (10')	110	100
880-51174-31	T-4 (0-1')	112	104

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-51174-32	T-4 (1.5')	113	104
880-51174-33	T-4 (2')	206 S1+	189 S1+
880-51174-34	T-4 (3')	117	106
880-51174-35	T-4 (4')	112	107
880-51174-36	T-4 (5')	118	122
880-51174-37	T-4 (6')	108	100
880-51174-38	T-4 (7')	121	111
880-51174-39	T-5 (0-1')	114	106
880-51174-40	T-5 (1.5')	106	97
880-51174-41	T-5 (2')	106	99
880-51174-42	T-5 (3')	84	90
880-51174-42 MS	T-5 (3')	103	94
880-51174-42 MSD	T-5 (3')	103	95
880-51174-43	T-5 (4')	86	184 S1+
880-51174-44	T-5 (5')	89	94
880-51174-45	T-5 (6')	89	91
880-51174-46	T-5 (7')	87	91
880-51174-47	T-5 (8')	88	92
880-51174-48	T-5 (9')	94	98
880-51174-49	T-6 (0-1')	153 S1+	173 S1+
880-51174-50	T-6 (1.5')	88	94
880-51174-51	T-6 (2')	106	111
880-51174-52	T-6 (3')	80	88
880-51174-53	T-6 (4')	85	77
880-51174-54	T-6 (5')	84	89
880-51174-55	T-6 (6')	83	86
880-51174-56	T-6 (7')	91	95
880-51174-57	T-6 (8')	98	104
880-51174-58	T-6 (9')	95	100
880-51287-A-1-B MS	Matrix Spike	79	61 S1-
880-51287-A-1-C MSD	Matrix Spike Duplicate	79	61 S1-
890-7392-A-112-B MS	Matrix Spike	94	80
890-7392-A-112-C MSD	Matrix Spike Duplicate	94	79
890-7403-A-21-B MS	Matrix Spike	87	75
890-7403-A-21-C MSD	Matrix Spike Duplicate	88	75
LCS 880-95837/2-A	Lab Control Sample	134 S1+	118
LCS 880-96009/2-A	Lab Control Sample	97	82
LCS 880-96010/2-A	Lab Control Sample	96	96
LCS 880-96011/2-A	Lab Control Sample	136 S1+	130
LCS 880-96170/2-A	Lab Control Sample	113	95
LCS 880-96192/2-A	Lab Control Sample	101	93
LCSD 880-95837/3-A	Lab Control Sample Dup	142 S1+	124
LCSD 880-96009/3-A	Lab Control Sample Dup	97	78
LCSD 880-96010/3-A	Lab Control Sample Dup	150 S1+	150 S1+
LCSD 880-96011/3-A	Lab Control Sample Dup	140 S1+	131 S1+
LCSD 880-96170/3-A	Lab Control Sample Dup	108	86
LCSD 880-96192/3-A	Lab Control Sample Dup	94	84
MB 880-95837/1-A	Method Blank	80	64 S1-
MB 880-96009/1-A	Method Blank	85	78
MB 880-96010/1-A	Method Blank	92	85

Eurofins Midland

Surrogate Summary

Client: Carmona Resources

Job ID: 880-51174-1

Project/Site: Lusk Deep 19 SWD

SDG: 2540 Lea County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
MB 880-96011/1-A	Method Blank	238 S1+	251 S1+
MB 880-96170/1-A	Method Blank	72	64 S1-
MB 880-96192/1-A	Method Blank	95	78
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-95921/5-A

Matrix: Solid

Analysis Batch: 95906

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 95921

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/18/24 09:31	11/18/24 12:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/18/24 09:31	11/18/24 12:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/18/24 09:31	11/18/24 12:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/18/24 09:31	11/18/24 12:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/18/24 09:31	11/18/24 12:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/18/24 09:31	11/18/24 12:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	11/18/24 09:31	11/18/24 12:32	1
1,4-Difluorobenzene (Surr)	89		70 - 130	11/18/24 09:31	11/18/24 12:32	1

Lab Sample ID: MB 880-95992/5-A

Matrix: Solid

Analysis Batch: 95906

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 95992

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/18/24 12:27	11/18/24 22:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/18/24 12:27	11/18/24 22:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/18/24 12:27	11/18/24 22:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/18/24 12:27	11/18/24 22:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/18/24 12:27	11/18/24 22:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/18/24 12:27	11/18/24 22:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	11/18/24 12:27	11/18/24 22:49	1
1,4-Difluorobenzene (Surr)	88		70 - 130	11/18/24 12:27	11/18/24 22:49	1

Lab Sample ID: LCS 880-95992/1-A

Matrix: Solid

Analysis Batch: 95906

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 95992

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1199		mg/Kg		120	70 - 130
Toluene	0.100	0.1153		mg/Kg		115	70 - 130
Ethylbenzene	0.100	0.1162		mg/Kg		116	70 - 130
m-Xylene & p-Xylene	0.200	0.2317		mg/Kg		116	70 - 130
o-Xylene	0.100	0.1195		mg/Kg		119	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-95992/2-A

Matrix: Solid

Analysis Batch: 95906

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 95992

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1186		mg/Kg		119	70 - 130	1	35

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

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

Lab Sample ID: LCSD 880-95992/2-A

Matrix: Solid

Analysis Batch: 95906

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 95992

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Toluene	0.100	0.1105		mg/Kg		111	70 - 130	4		35
Ethylbenzene	0.100	0.1113		mg/Kg		111	70 - 130	4		35
m-Xylene & p-Xylene	0.200	0.2227		mg/Kg		111	70 - 130	4		35
o-Xylene	0.100	0.1150		mg/Kg		115	70 - 130	4		35

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

Lab Sample ID: 880-51174-4 MS

Matrix: Solid

Analysis Batch: 95906

Client Sample ID: T-1 (3')

Prep Type: Total/NA

Prep Batch: 95992

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	RPD
Benzene	<0.00198	U F1	0.100	0.1256		mg/Kg		126	70 - 130	
Toluene	<0.00198	U F1	0.100	0.1202		mg/Kg		120	70 - 130	
Ethylbenzene	<0.00198	U	0.100	0.1167		mg/Kg		115	70 - 130	
m-Xylene & p-Xylene	<0.00396	U	0.200	0.2315		mg/Kg		116	70 - 130	
o-Xylene	<0.00198	U F1	0.100	0.1181		mg/Kg		118	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 880-51174-4 MSD

Matrix: Solid

Analysis Batch: 95906

Client Sample ID: T-1 (3')

Prep Type: Total/NA

Prep Batch: 95992

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Benzene	<0.00198	U F1	0.100	0.1372	F1	mg/Kg		137	70 - 130	9		35
Toluene	<0.00198	U F1	0.100	0.1316	F1	mg/Kg		132	70 - 130	9		35
Ethylbenzene	<0.00198	U	0.100	0.1281		mg/Kg		127	70 - 130	9		35
m-Xylene & p-Xylene	<0.00396	U	0.200	0.2522		mg/Kg		126	70 - 130	9		35
o-Xylene	<0.00198	U F1	0.100	0.1426	F1	mg/Kg		143	70 - 130	19		35

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	121		70 - 130
1,4-Difluorobenzene (Surr)	117		70 - 130

Lab Sample ID: MB 880-96014/5-A

Matrix: Solid

Analysis Batch: 96055

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96014

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		11/18/24 15:20	11/19/24 11:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/18/24 15:20	11/19/24 11:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/18/24 15:20	11/19/24 11:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/18/24 15:20	11/19/24 11:37	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

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

Lab Sample ID: MB 880-96014/5-A

Matrix: Solid

Analysis Batch: 96055

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96014

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/18/24 15:20	11/19/24 11:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/18/24 15:20	11/19/24 11:37	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	78		70 - 130	11/18/24 15:20	11/19/24 11:37	1
1,4-Difluorobenzene (Surr)	87		70 - 130	11/18/24 15:20	11/19/24 11:37	1

Lab Sample ID: LCS 880-96014/1-A

Matrix: Solid

Analysis Batch: 96055

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96014

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	0.100	0.09889		mg/Kg		99	70 - 130
Toluene	0.100	0.09587		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.09069		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	0.200	0.1980		mg/Kg		99	70 - 130
o-Xylene	0.100	0.09420		mg/Kg		94	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-96014/2-A

Matrix: Solid

Analysis Batch: 96055

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 96014

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
		Result	Qualifier						
Benzene	0.100	0.09610		mg/Kg		96	70 - 130	3	35
Toluene	0.100	0.1036		mg/Kg		104	70 - 130	8	35
Ethylbenzene	0.100	0.1074		mg/Kg		107	70 - 130	17	35
m-Xylene & p-Xylene	0.200	0.2080		mg/Kg		104	70 - 130	5	35
o-Xylene	0.100	0.09952		mg/Kg		100	70 - 130	5	35

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 880-51174-21 MS

Matrix: Solid

Analysis Batch: 96055

Client Sample ID: T-3 (1.5')

Prep Type: Total/NA

Prep Batch: 96014

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Benzene	<0.00200	U	0.100	0.09148		mg/Kg		91	70 - 130
Toluene	<0.00200	U	0.100	0.1012		mg/Kg		101	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.1011		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2006		mg/Kg		100	70 - 130
o-Xylene	<0.00200	U	0.100	0.09555		mg/Kg		96	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

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

Lab Sample ID: 880-51174-21 MS

Matrix: Solid

Analysis Batch: 96055

Client Sample ID: T-3 (1.5')

Prep Type: Total/NA

Prep Batch: 96014

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: 880-51174-21 MSD

Matrix: Solid

Analysis Batch: 96055

Client Sample ID: T-3 (1.5')

Prep Type: Total/NA

Prep Batch: 96014

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1035		mg/Kg		103	70 - 130	12	35
Toluene	<0.00200	U	0.100	0.1004		mg/Kg		100	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.100	0.1129		mg/Kg		113	70 - 130	11	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2194		mg/Kg		110	70 - 130	9	35
o-Xylene	<0.00200	U	0.100	0.1046		mg/Kg		105	70 - 130	9	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-96015/5-A

Matrix: Solid

Analysis Batch: 96053

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96015

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/18/24 15:21	11/19/24 11:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/18/24 15:21	11/19/24 11:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/18/24 15:21	11/19/24 11:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/18/24 15:21	11/19/24 11:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/18/24 15:21	11/19/24 11:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/18/24 15:21	11/19/24 11:39	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	184	S1+	70 - 130	11/18/24 15:21	11/19/24 11:39	1
1,4-Difluorobenzene (Surr)	79		70 - 130	11/18/24 15:21	11/19/24 11:39	1

Lab Sample ID: LCS 880-96015/1-A

Matrix: Solid

Analysis Batch: 96053

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96015

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1080		mg/Kg		108	70 - 130
Toluene	0.100	0.1069		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.1055		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	0.200	0.2133		mg/Kg		107	70 - 130
o-Xylene	0.100	0.1083		mg/Kg		108	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	168	S1+	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

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

Lab Sample ID: LCS 880-96015/1-A
Matrix: Solid
Analysis Batch: 96053

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 96015

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,4-Difluorobenzene (Surr)	82		70 - 130

Lab Sample ID: LCSD 880-96015/2-A
Matrix: Solid
Analysis Batch: 96053

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 96015

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1124		mg/Kg		112	70 - 130	4	35
Toluene	0.100	0.1105		mg/Kg		111	70 - 130	3	35
Ethylbenzene	0.100	0.1087		mg/Kg		109	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2207		mg/Kg		110	70 - 130	3	35
o-Xylene	0.100	0.1120		mg/Kg		112	70 - 130	3	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	173	S1+	70 - 130
1,4-Difluorobenzene (Surr)	83		70 - 130

Lab Sample ID: 880-51174-41 MS
Matrix: Solid
Analysis Batch: 96053

Client Sample ID: T-5 (2')
Prep Type: Total/NA
Prep Batch: 96015

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08876		mg/Kg		89	70 - 130
Toluene	<0.00200	U	0.100	0.08756		mg/Kg		88	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.08559		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1746		mg/Kg		87	70 - 130
o-Xylene	<0.00200	U	0.100	0.08991		mg/Kg		90	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	178	S1+	70 - 130
1,4-Difluorobenzene (Surr)	83		70 - 130

Lab Sample ID: 880-51174-41 MSD
Matrix: Solid
Analysis Batch: 96053

Client Sample ID: T-5 (2')
Prep Type: Total/NA
Prep Batch: 96015

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1002		mg/Kg		100	70 - 130	12	35
Toluene	<0.00200	U	0.100	0.09865		mg/Kg		99	70 - 130	12	35
Ethylbenzene	<0.00200	U	0.100	0.09630		mg/Kg		96	70 - 130	12	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1949		mg/Kg		97	70 - 130	11	35
o-Xylene	<0.00200	U	0.100	0.09975		mg/Kg		100	70 - 130	10	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	179	S1+	70 - 130
1,4-Difluorobenzene (Surr)	82		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

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

Lab Sample ID: MB 880-96057/5-A

Matrix: Solid

Analysis Batch: 96051

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96057

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/19/24 08:56	11/19/24 11:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/19/24 08:56	11/19/24 11:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/19/24 08:56	11/19/24 11:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/19/24 08:56	11/19/24 11:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/19/24 08:56	11/19/24 11:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/19/24 08:56	11/19/24 11:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	11/19/24 08:56	11/19/24 11:26	1
1,4-Difluorobenzene (Surr)	90		70 - 130	11/19/24 08:56	11/19/24 11:26	1

Lab Sample ID: LCS 880-96057/1-A

Matrix: Solid

Analysis Batch: 96051

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96057

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1185		mg/Kg		119	70 - 130
Toluene	0.100	0.1133		mg/Kg		113	70 - 130
Ethylbenzene	0.100	0.1111		mg/Kg		111	70 - 130
m-Xylene & p-Xylene	0.200	0.2266		mg/Kg		113	70 - 130
o-Xylene	0.100	0.1217		mg/Kg		122	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: LCSD 880-96057/2-A

Matrix: Solid

Analysis Batch: 96051

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 96057

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1220		mg/Kg		122	70 - 130	3	35
Toluene	0.100	0.1141		mg/Kg		114	70 - 130	1	35
Ethylbenzene	0.100	0.1211		mg/Kg		121	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.2336		mg/Kg		117	70 - 130	3	35
o-Xylene	0.100	0.1201		mg/Kg		120	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-7400-A-1-G MS

Matrix: Solid

Analysis Batch: 96051

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 96057

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1108		mg/Kg		111	70 - 130
Toluene	<0.00200	U	0.100	0.1042		mg/Kg		104	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

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

Lab Sample ID: 890-7400-A-1-G MS

Matrix: Solid

Analysis Batch: 96051

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 96057

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Ethylbenzene	<0.00200	U	0.100	0.1056		mg/Kg		106	70 - 130	
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2104		mg/Kg		105	70 - 130	
o-Xylene	<0.00200	U	0.100	0.1080		mg/Kg		108	70 - 130	

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-7400-A-1-H MSD

Matrix: Solid

Analysis Batch: 96051

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 96057

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits		RPD	Limit
Benzene	<0.00200	U	0.100	0.1051		mg/Kg		105	70 - 130		5	35
Toluene	<0.00200	U	0.100	0.09863		mg/Kg		99	70 - 130		6	35
Ethylbenzene	<0.00200	U	0.100	0.09972		mg/Kg		100	70 - 130		6	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1982		mg/Kg		99	70 - 130		6	35
o-Xylene	<0.00200	U	0.100	0.1017		mg/Kg		102	70 - 130		6	35

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

Lab Sample ID: MB 880-96059/5-A

Matrix: Solid

Analysis Batch: 96052

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96059

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:03	11/19/24 11:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:03	11/19/24 11:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:03	11/19/24 11:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/19/24 09:03	11/19/24 11:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:03	11/19/24 11:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/19/24 09:03	11/19/24 11:36	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	112		70 - 130	11/19/24 09:03	11/19/24 11:36	1
1,4-Difluorobenzene (Surr)	96		70 - 130	11/19/24 09:03	11/19/24 11:36	1

Lab Sample ID: LCS 880-96059/1-A

Matrix: Solid

Analysis Batch: 96052

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96059

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec	
							Limits	
Benzene	0.100	0.1176		mg/Kg		118	70 - 130	
Toluene	0.100	0.1089		mg/Kg		109	70 - 130	
Ethylbenzene	0.100	0.1093		mg/Kg		109	70 - 130	
m-Xylene & p-Xylene	0.200	0.2231		mg/Kg		112	70 - 130	

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

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

Lab Sample ID: LCS 880-96059/1-A

Matrix: Solid

Analysis Batch: 96052

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96059

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1085		mg/Kg		109	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-96059/2-A

Matrix: Solid

Analysis Batch: 96052

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 96059

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1176		mg/Kg		118	70 - 130	0	35
Toluene	0.100	0.1096		mg/Kg		110	70 - 130	1	35
Ethylbenzene	0.100	0.1099		mg/Kg		110	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2267		mg/Kg		113	70 - 130	2	35
o-Xylene	0.100	0.1104		mg/Kg		110	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-51121-A-71-F MS

Matrix: Solid

Analysis Batch: 96052

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 96059

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1110		mg/Kg		111	70 - 130
Toluene	<0.00200	U	0.100	0.1001		mg/Kg		100	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09628		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1974		mg/Kg		99	70 - 130
o-Xylene	<0.00200	U	0.100	0.09607		mg/Kg		96	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-51121-A-71-G MSD

Matrix: Solid

Analysis Batch: 96052

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 96059

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1061		mg/Kg		106	70 - 130	4	35
Toluene	<0.00200	U	0.100	0.09557		mg/Kg		96	70 - 130	5	35
Ethylbenzene	<0.00200	U	0.100	0.09083		mg/Kg		91	70 - 130	6	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1856		mg/Kg		93	70 - 130	6	35
o-Xylene	<0.00200	U	0.100	0.09094		mg/Kg		91	70 - 130	5	35

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

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

Lab Sample ID: 880-51121-A-71-G MSD

Matrix: Solid

Analysis Batch: 96052

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 96059

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: MB 880-96061/5-A

Matrix: Solid

Analysis Batch: 96054

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96061

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:06	11/19/24 11:41	1	
Toluene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:06	11/19/24 11:41	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:06	11/19/24 11:41	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/19/24 09:06	11/19/24 11:41	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/19/24 09:06	11/19/24 11:41	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/19/24 09:06	11/19/24 11:41	1	
	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				11/19/24 09:06	11/19/24 11:41	1	
1,4-Difluorobenzene (Surr)	95		70 - 130				11/19/24 09:06	11/19/24 11:41	1	

Lab Sample ID: LCS 880-96061/1-A

Matrix: Solid

Analysis Batch: 96054

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96061

	Spike	LCS	LCS						%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Benzene	0.100	0.1082		mg/Kg		108	70 - 130			
Toluene	0.100	0.1074		mg/Kg		107	70 - 130			
Ethylbenzene	0.100	0.1136		mg/Kg		114	70 - 130			
m-Xylene & p-Xylene	0.200	0.2170		mg/Kg		109	70 - 130			
o-Xylene	0.100	0.1215		mg/Kg		121	70 - 130			
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	101		70 - 130							
1,4-Difluorobenzene (Surr)	103		70 - 130							

Lab Sample ID: LCSD 880-96061/2-A

Matrix: Solid

Analysis Batch: 96054

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 96061

	Spike	LCSD	LCSD						%Rec	RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1071		mg/Kg		107	70 - 130	1	35	
Toluene	0.100	0.1050		mg/Kg		105	70 - 130	2	35	
Ethylbenzene	0.100	0.1116		mg/Kg		112	70 - 130	2	35	
m-Xylene & p-Xylene	0.200	0.2145		mg/Kg		107	70 - 130	1	35	
o-Xylene	0.100	0.1201		mg/Kg		120	70 - 130	1	35	
	LCSD	LCSD								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	103		70 - 130							

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

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

Lab Sample ID: LCSD 880-96061/2-A

Matrix: Solid

Analysis Batch: 96054

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 96061

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

Lab Sample ID: 890-7400-A-9-C MS

Matrix: Solid

Analysis Batch: 96054

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 96061

	Sample	Sample	Spike	MS	MS			%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	<0.00200	U	0.100	0.1142		mg/Kg		114	70 - 130
Toluene	<0.00200	U	0.100	0.1114		mg/Kg		111	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.1168		mg/Kg		117	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2237		mg/Kg		112	70 - 130
o-Xylene	<0.00200	U	0.100	0.1272		mg/Kg		127	70 - 130

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

Lab Sample ID: 890-7400-A-9-D MSD

Matrix: Solid

Analysis Batch: 96054

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 96061

	Sample	Sample	Spike	MSD	MSD			%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.1098		mg/Kg		110	70 - 130	4	35
Toluene	<0.00200	U	0.100	0.1082		mg/Kg		108	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.100	0.1143		mg/Kg		114	70 - 130	2	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2208		mg/Kg		110	70 - 130	1	35
o-Xylene	<0.00200	U	0.100	0.1238		mg/Kg		124	70 - 130	3	35

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

Lab Sample ID: MB 880-96118/5-A

Matrix: Solid

Analysis Batch: 96152

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96118

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/19/24 16:15	11/20/24 11:47	1	
Toluene	<0.00200	U	0.00200		mg/Kg		11/19/24 16:15	11/20/24 11:47	1	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/19/24 16:15	11/20/24 11:47	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/19/24 16:15	11/20/24 11:47	1	
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/19/24 16:15	11/20/24 11:47	1	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/19/24 16:15	11/20/24 11:47	1	

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac			
4-Bromofluorobenzene (Surr)	107		70 - 130	11/19/24 16:15	11/20/24 11:47	1				
1,4-Difluorobenzene (Surr)	85		70 - 130	11/19/24 16:15	11/20/24 11:47	1				

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

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

Lab Sample ID: LCS 880-96118/1-A

Matrix: Solid

Analysis Batch: 96152

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96118

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1109		mg/Kg		111	70 - 130
Toluene	0.100	0.1040		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.1033		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.2034		mg/Kg		102	70 - 130
o-Xylene	0.100	0.1067		mg/Kg		107	70 - 130

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

Lab Sample ID: LCSD 880-96118/2-A

Matrix: Solid

Analysis Batch: 96152

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 96118

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1149		mg/Kg		115	70 - 130	4	35
Toluene	0.100	0.1042		mg/Kg		104	70 - 130	0	35
Ethylbenzene	0.100	0.1045		mg/Kg		104	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2056		mg/Kg		103	70 - 130	1	35
o-Xylene	0.100	0.1075		mg/Kg		107	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-51266-A-1-B MS

Matrix: Solid

Analysis Batch: 96152

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 96118

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.1118		mg/Kg		112	70 - 130
Toluene	<0.00199	U	0.0996	0.1024		mg/Kg		103	70 - 130
Ethylbenzene	<0.00199	U	0.0996	0.1026		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.2018		mg/Kg		101	70 - 130
o-Xylene	<0.00199	U	0.0996	0.1054		mg/Kg		106	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-51266-A-1-C MSD

Matrix: Solid

Analysis Batch: 96152

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 96118

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.1074		mg/Kg		107	70 - 130	4	35
Toluene	<0.00199	U	0.100	0.1015		mg/Kg		101	70 - 130	1	35
Ethylbenzene	<0.00199	U	0.100	0.1029		mg/Kg		103	70 - 130	0	35

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

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

Lab Sample ID: 880-51266-A-1-C MSD

Matrix: Solid

Analysis Batch: 96152

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 96118

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2063		mg/Kg		103	70 - 130	2	35
o-Xylene	<0.00199	U	0.100	0.1068		mg/Kg		107	70 - 130	1	35
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	99		70 - 130								
1,4-Difluorobenzene (Surr)	99		70 - 130								

Lab Sample ID: MB 880-96163/5-A

Matrix: Solid

Analysis Batch: 96154

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96163

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/24 09:49	11/20/24 11:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/24 09:49	11/20/24 11:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/24 09:49	11/20/24 11:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/24 09:49	11/20/24 11:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/24 09:49	11/20/24 11:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/24 09:49	11/20/24 11:24	1
Surrogate	MB %Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				11/20/24 09:49	11/20/24 11:24	1
1,4-Difluorobenzene (Surr)	97		70 - 130				11/20/24 09:49	11/20/24 11:24	1

Lab Sample ID: LCS 880-96163/1-A

Matrix: Solid

Analysis Batch: 96154

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96163

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.100	0.1191		mg/Kg		119	70 - 130		
Toluene	0.100	0.1102		mg/Kg		110	70 - 130		
Ethylbenzene	0.100	0.1099		mg/Kg		110	70 - 130		
m-Xylene & p-Xylene	0.200	0.2260		mg/Kg		113	70 - 130		
o-Xylene	0.100	0.1102		mg/Kg		110	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	LCS Limits						
4-Bromofluorobenzene (Surr)	111		70 - 130						
1,4-Difluorobenzene (Surr)	97		70 - 130						

Lab Sample ID: LCSD 880-96163/2-A

Matrix: Solid

Analysis Batch: 96154

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 96163

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1159		mg/Kg		116	70 - 130	3	35
Toluene	0.100	0.1074		mg/Kg		107	70 - 130	3	35
Ethylbenzene	0.100	0.1075		mg/Kg		107	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2207		mg/Kg		110	70 - 130	2	35
o-Xylene	0.100	0.1078		mg/Kg		108	70 - 130	2	35

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-51244-A-1-B MS

Matrix: Solid

Analysis Batch: 96154

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 96163

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.1154		mg/Kg		116	70 - 130
Toluene	<0.00199	U	0.0996	0.1071		mg/Kg		108	70 - 130
Ethylbenzene	<0.00199	U	0.0996	0.1078		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.2214		mg/Kg		111	70 - 130
o-Xylene	<0.00199	U	0.0996	0.1078		mg/Kg		108	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-51244-A-1-C MSD

Matrix: Solid

Analysis Batch: 96154

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 96163

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.1151		mg/Kg		115	70 - 130	0	35
Toluene	<0.00199	U	0.100	0.1072		mg/Kg		107	70 - 130	0	35
Ethylbenzene	<0.00199	U	0.100	0.1085		mg/Kg		108	70 - 130	1	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2227		mg/Kg		111	70 - 130	1	35
o-Xylene	<0.00199	U	0.100	0.1089		mg/Kg		109	70 - 130	1	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: MB 880-96233/5-A

Matrix: Solid

Analysis Batch: 96228

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96233

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/21/24 08:51	11/21/24 11:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/21/24 08:51	11/21/24 11:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/21/24 08:51	11/21/24 11:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/21/24 08:51	11/21/24 11:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/21/24 08:51	11/21/24 11:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/21/24 08:51	11/21/24 11:28	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	120		70 - 130	11/21/24 08:51	11/21/24 11:28	1			
1,4-Difluorobenzene (Surr)	93		70 - 130	11/21/24 08:51	11/21/24 11:28	1			

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

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

Lab Sample ID: LCS 880-96233/1-A

Matrix: Solid

Analysis Batch: 96228

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96233

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1207		mg/Kg		121	70 - 130
Toluene	0.100	0.1123		mg/Kg		112	70 - 130
Ethylbenzene	0.100	0.1129		mg/Kg		113	70 - 130
m-Xylene & p-Xylene	0.200	0.2304		mg/Kg		115	70 - 130
o-Xylene	0.100	0.1124		mg/Kg		112	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-96233/2-A

Matrix: Solid

Analysis Batch: 96228

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 96233

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1199		mg/Kg		120	70 - 130	1	35
Toluene	0.100	0.1119		mg/Kg		112	70 - 130	0	35
Ethylbenzene	0.100	0.1131		mg/Kg		113	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.2303		mg/Kg		115	70 - 130	0	35
o-Xylene	0.100	0.1126		mg/Kg		113	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-7403-A-19-B MS

Matrix: Solid

Analysis Batch: 96228

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 96233

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.1207		mg/Kg		121	70 - 130
Toluene	<0.00199	U	0.0996	0.1128		mg/Kg		113	70 - 130
Ethylbenzene	<0.00199	U	0.0996	0.1140		mg/Kg		114	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.2326		mg/Kg		117	70 - 130
o-Xylene	<0.00199	U	0.0996	0.1142		mg/Kg		115	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-7403-A-19-C MSD

Matrix: Solid

Analysis Batch: 96228

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 96233

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.1230		mg/Kg		123	70 - 130	2	35
Toluene	<0.00199	U	0.100	0.1152		mg/Kg		115	70 - 130	2	35
Ethylbenzene	<0.00199	U	0.100	0.1163		mg/Kg		116	70 - 130	2	35

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

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

Lab Sample ID: 890-7403-A-19-C MSD

Matrix: Solid

Analysis Batch: 96228

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 96233

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2377		mg/Kg		119	70 - 130	2	35
o-Xylene	<0.00199	U	0.100	0.1165		mg/Kg		116	70 - 130	2	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	109		70 - 130								
1,4-Difluorobenzene (Surr)	95		70 - 130								

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

Lab Sample ID: MB 880-95837/1-A

Matrix: Solid

Analysis Batch: 96065

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 95837

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		11/15/24 14:39	11/19/24 19:32	1
Over C10-C28	<50.0	U	50.0		mg/Kg		11/15/24 14:39	11/19/24 19:32	1
Over C28-C36	<50.0	U	50.0		mg/Kg		11/15/24 14:39	11/19/24 19:32	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				11/15/24 14:39	11/19/24 19:32	1
o-Terphenyl	64	S1-	70 - 130				11/15/24 14:39	11/19/24 19:32	1

Lab Sample ID: LCS 880-95837/2-A

Matrix: Solid

Analysis Batch: 96065

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 95837

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C6-C10	1000	1238		mg/Kg		124	70 - 130		
Over C10-C28	1000	1054		mg/Kg		105	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	134	S1+	70 - 130						
o-Terphenyl	118		70 - 130						

Lab Sample ID: LCSD 880-95837/3-A

Matrix: Solid

Analysis Batch: 96065

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 95837

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C6-C10	1000	1305	*+	mg/Kg		131	70 - 130	5	20
Over C10-C28	1000	1095		mg/Kg		109	70 - 130	4	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	142	S1+	70 - 130						
o-Terphenyl	124		70 - 130						

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

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

Lab Sample ID: 890-7392-A-112-B MS

Matrix: Solid

Analysis Batch: 96065

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 95837

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
C6-C10	<50.0	U *	997	875.4		mg/Kg		88	70 - 130
Over C10-C28	<50.0	U	997	736.0		mg/Kg		74	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	94		70 - 130						
o-Terphenyl	80		70 - 130						

Lab Sample ID: 890-7392-A-112-C MSD

Matrix: Solid

Analysis Batch: 96065

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 95837

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C6-C10	<50.0	U *	997	883.2		mg/Kg		89	70 - 130	1	20
Over C10-C28	<50.0	U	997	738.8		mg/Kg		74	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	94		70 - 130								
o-Terphenyl	79		70 - 130								

Lab Sample ID: MB 880-96009/1-A

Matrix: Solid

Analysis Batch: 96104

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96009

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		11/18/24 15:04	11/19/24 06:47	1
Over C10-C28	<50.0	U	50.0		mg/Kg		11/18/24 15:04	11/19/24 06:47	1
Over C28-C36	<50.0	U	50.0		mg/Kg		11/18/24 15:04	11/19/24 06:47	1
Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	85		70 - 130	11/18/24 15:04	11/19/24 06:47	1			
o-Terphenyl	78		70 - 130	11/18/24 15:04	11/19/24 06:47	1			

Lab Sample ID: LCS 880-96009/2-A

Matrix: Solid

Analysis Batch: 96104

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96009

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C6-C10	1000	1056		mg/Kg		106	70 - 130
Over C10-C28	1000	791.9		mg/Kg		79	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	97		70 - 130				
o-Terphenyl	82		70 - 130				

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

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

Lab Sample ID: LCSD 880-96009/3-A

Matrix: Solid

Analysis Batch: 96104

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 96009

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C6-C10			1000	1058		mg/Kg		106	70 - 130	0	20
Over C10-C28			1000	736.1		mg/Kg		74	70 - 130	7	20
		LCSD	LCSD								
Surrogate		%Recovery	Qualifier	Limits							
1-Chlorooctane		97		70 - 130							
o-Terphenyl		78		70 - 130							

Lab Sample ID: 880-51174-16 MS

Matrix: Solid

Analysis Batch: 96104

Client Sample ID: T-2 (6')

Prep Type: Total/NA

Prep Batch: 96009

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C6-C10	<50.0	U	994	1018		mg/Kg		102	70 - 130		
Over C10-C28	<50.0	U	994	748.0		mg/Kg		73	70 - 130		
		MS	MS								
Surrogate		%Recovery	Qualifier	Limits							
1-Chlorooctane		103		70 - 130							
o-Terphenyl		84		70 - 130							

Lab Sample ID: 880-51174-16 MSD

Matrix: Solid

Analysis Batch: 96104

Client Sample ID: T-2 (6')

Prep Type: Total/NA

Prep Batch: 96009

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C6-C10	<50.0	U	994	991.1		mg/Kg		100	70 - 130	3	20
Over C10-C28	<50.0	U	994	733.5		mg/Kg		72	70 - 130	2	20
		MSD	MSD								
Surrogate		%Recovery	Qualifier	Limits							
1-Chlorooctane		101		70 - 130							
o-Terphenyl		81		70 - 130							

Lab Sample ID: MB 880-96010/1-A

Matrix: Solid

Analysis Batch: 96067

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96010

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		11/18/24 15:07	11/19/24 19:32	1
Over C10-C28	<50.0	U	50.0		mg/Kg		11/18/24 15:07	11/19/24 19:32	1
Over C28-C36	<50.0	U	50.0		mg/Kg		11/18/24 15:07	11/19/24 19:32	1
		MB	MB						
Surrogate		%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
1-Chlorooctane		92		70 - 130	11/18/24 15:07	11/19/24 19:32	1		
o-Terphenyl		85		70 - 130	11/18/24 15:07	11/19/24 19:32	1		

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

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

Lab Sample ID: LCS 880-96010/2-A

Matrix: Solid

Analysis Batch: 96067

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96010

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C6-C10	1000	1010		mg/Kg		101	70 - 130
Over C10-C28	1000	893.1		mg/Kg		89	70 - 130

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

Lab Sample ID: LCSD 880-96010/3-A

Matrix: Solid

Analysis Batch: 96067

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 96010

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C6-C10	1000	1296	*1	mg/Kg		130	70 - 130	25	20
Over C10-C28	1000	1240	*1	mg/Kg		124	70 - 130	33	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	150	S1+	70 - 130
o-Terphenyl	150	S1+	70 - 130

Lab Sample ID: 880-51174-22 MS

Matrix: Solid

Analysis Batch: 96067

Client Sample ID: T-3 (2')

Prep Type: Total/NA

Prep Batch: 96010

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
C6-C10	<49.9	U *1	993	970.1		mg/Kg		98	70 - 130
Over C10-C28	<49.9	U *1	993	907.2		mg/Kg		91	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: 880-51174-22 MSD

Matrix: Solid

Analysis Batch: 96067

Client Sample ID: T-3 (2')

Prep Type: Total/NA

Prep Batch: 96010

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C6-C10	<49.9	U *1	993	936.1		mg/Kg		94	70 - 130	4	20
Over C10-C28	<49.9	U *1	993	867.2		mg/Kg		87	70 - 130	5	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	104		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

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

Lab Sample ID: MB 880-96011/1-A

Matrix: Solid

Analysis Batch: 96174

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96011

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		11/18/24 15:11	11/20/24 03:55	1
Over C10-C28	<50.0	U	50.0		mg/Kg		11/18/24 15:11	11/20/24 03:55	1
Over C28-C36	<50.0	U	50.0		mg/Kg		11/18/24 15:11	11/20/24 03:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	238	S1+	70 - 130	11/18/24 15:11	11/20/24 03:55	1
o-Terphenyl	251	S1+	70 - 130	11/18/24 15:11	11/20/24 03:55	1

Lab Sample ID: LCS 880-96011/2-A

Matrix: Solid

Analysis Batch: 96174

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96011

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C6-C10	1000	1152		mg/Kg		115	70 - 130
Over C10-C28	1000	1057		mg/Kg		106	70 - 130

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

Lab Sample ID: LCSD 880-96011/3-A

Matrix: Solid

Analysis Batch: 96174

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 96011

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C6-C10	1000	1181		mg/Kg		118	70 - 130	3	20
Over C10-C28	1000	1110		mg/Kg		111	70 - 130	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	140	S1+	70 - 130
o-Terphenyl	131	S1+	70 - 130

Lab Sample ID: 880-51174-42 MS

Matrix: Solid

Analysis Batch: 96174

Client Sample ID: T-5 (3')

Prep Type: Total/NA

Prep Batch: 96011

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
C6-C10	<50.0	U	995	959.2		mg/Kg		96	70 - 130
Over C10-C28	<50.0	U	995	818.9		mg/Kg		82	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	94		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

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

Lab Sample ID: 880-51174-42 MSD

Matrix: Solid

Analysis Batch: 96174

Client Sample ID: T-5 (3')

Prep Type: Total/NA

Prep Batch: 96011

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C6-C10	<50.0	U	995	958.1		mg/Kg		96	70 - 130	0	20
Over C10-C28	<50.0	U	995	829.7		mg/Kg		83	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	103		70 - 130								
o-Terphenyl	95		70 - 130								

Lab Sample ID: MB 880-96170/1-A

Matrix: Solid

Analysis Batch: 96172

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96170

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		11/19/24 17:45	11/20/24 03:55	1
Over C10-C28	<50.0	U	50.0		mg/Kg		11/19/24 17:45	11/20/24 03:55	1
Over C28-C36	<50.0	U	50.0		mg/Kg		11/19/24 17:45	11/20/24 03:55	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				11/19/24 17:45	11/20/24 03:55	1
o-Terphenyl	64	S1-	70 - 130				11/19/24 17:45	11/20/24 03:55	1

Lab Sample ID: LCS 880-96170/2-A

Matrix: Solid

Analysis Batch: 96172

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96170

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C6-C10	1000	1177		mg/Kg		118	70 - 130		
Over C10-C28	1000	916.3		mg/Kg		92	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	113		70 - 130						
o-Terphenyl	95		70 - 130						

Lab Sample ID: LCSD 880-96170/3-A

Matrix: Solid

Analysis Batch: 96172

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 96170

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C6-C10	1000	1145		mg/Kg		115	70 - 130	3	20
Over C10-C28	1000	833.1		mg/Kg		83	70 - 130	10	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	108		70 - 130						
o-Terphenyl	86		70 - 130						

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

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

Lab Sample ID: 880-51287-A-1-B MS

Matrix: Solid

Analysis Batch: 96172

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 96170

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
C6-C10	<50.0	U	998	830.5		mg/Kg		83	70 - 130
Over C10-C28	<50.0	U F1	998	653.6	F1	mg/Kg		65	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	79		70 - 130						
o-Terphenyl	61	S1-	70 - 130						

Lab Sample ID: 880-51287-A-1-C MSD

Matrix: Solid

Analysis Batch: 96172

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 96170

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C6-C10	<50.0	U	998	834.6		mg/Kg		84	70 - 130	0	20
Over C10-C28	<50.0	U F1	998	662.1	F1	mg/Kg		66	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	79		70 - 130								
o-Terphenyl	61	S1-	70 - 130								

Lab Sample ID: MB 880-96192/1-A

Matrix: Solid

Analysis Batch: 96260

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 96192

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	<50.0	U	50.0		mg/Kg		11/20/24 13:57	11/21/24 01:05	1
Over C10-C28	<50.0	U	50.0		mg/Kg		11/20/24 13:57	11/21/24 01:05	1
Over C28-C36	<50.0	U	50.0		mg/Kg		11/20/24 13:57	11/21/24 01:05	1
Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	95		70 - 130	11/20/24 13:57	11/21/24 01:05	1			
o-Terphenyl	78		70 - 130	11/20/24 13:57	11/21/24 01:05	1			

Lab Sample ID: LCS 880-96192/2-A

Matrix: Solid

Analysis Batch: 96260

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 96192

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C6-C10	1000	1043		mg/Kg		104	70 - 130
Over C10-C28	1000	819.1		mg/Kg		82	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	101		70 - 130				
o-Terphenyl	93		70 - 130				

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

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

Lab Sample ID: LCSD 880-96192/3-A

Matrix: Solid

Analysis Batch: 96260

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 96192

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C6-C10	1000	1025		mg/Kg		102	70 - 130	2	20
Over C10-C28	1000	806.3		mg/Kg		81	70 - 130	2	20
		LCSD %Recovery	LCSD Qualifier	Limits					
Surrogate									
1-Chlorooctane		94		70 - 130					
o-Terphenyl		84		70 - 130					

Lab Sample ID: 890-7403-A-21-B MS

Matrix: Solid

Analysis Batch: 96260

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 96192

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C6-C10	<49.9	U	998	870.6		mg/Kg		87	70 - 130		
Over C10-C28	<49.9	U	998	746.2		mg/Kg		75	70 - 130		
		MS %Recovery	MS Qualifier	Limits							
Surrogate											
1-Chlorooctane		87		70 - 130							
o-Terphenyl		75		70 - 130							

Lab Sample ID: 890-7403-A-21-C MSD

Matrix: Solid

Analysis Batch: 96260

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 96192

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C6-C10	<49.9	U	998	882.7		mg/Kg		88	70 - 130	1	20
Over C10-C28	<49.9	U	998	742.3		mg/Kg		74	70 - 130	1	20
		MSD %Recovery	MSD Qualifier	Limits							
Surrogate											
1-Chlorooctane		88		70 - 130							
o-Terphenyl		75		70 - 130							

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-95998/1-A

Matrix: Solid

Analysis Batch: 96024

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			11/18/24 21:49	1

Lab Sample ID: LCS 880-95998/2-A

Matrix: Solid

Analysis Batch: 96024

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	246.3		mg/Kg		99	90 - 110		

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-95998/3-A
Matrix: Solid
Analysis Batch: 96024

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	248.1		mg/Kg		99	90 - 110	1	20

Lab Sample ID: 880-51173-A-10-C MS
Matrix: Solid
Analysis Batch: 96024

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	441	F1	248	642.1	F1	mg/Kg		81	90 - 110

Lab Sample ID: 880-51173-A-10-D MSD
Matrix: Solid
Analysis Batch: 96024

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	441	F1	248	643.4	F1	mg/Kg		82	90 - 110	0	20

Lab Sample ID: MB 880-96005/1-A
Matrix: Solid
Analysis Batch: 96027

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			11/19/24 01:42	1

Lab Sample ID: LCS 880-96005/2-A
Matrix: Solid
Analysis Batch: 96027

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	249.7		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-96005/3-A
Matrix: Solid
Analysis Batch: 96027

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	248.8		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 880-51174-6 MS
Matrix: Solid
Analysis Batch: 96027

Client Sample ID: T-1 (5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	4250	F1	2490	7539	F1	mg/Kg		132	90 - 110

Lab Sample ID: 880-51174-6 MSD
Matrix: Solid
Analysis Batch: 96027

Client Sample ID: T-1 (5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4250	F1	2490	7368	F1	mg/Kg		126	90 - 110	2	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-51174-16 MS

Matrix: Solid

Analysis Batch: 96027

Client Sample ID: T-2 (6')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1800	F1	1240	3225	F1	mg/Kg		115	90 - 110

Lab Sample ID: 880-51174-16 MSD

Matrix: Solid

Analysis Batch: 96027

Client Sample ID: T-2 (6')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1800	F1	1240	3217	F1	mg/Kg		114	90 - 110	0	20

Lab Sample ID: MB 880-96006/1-A

Matrix: Solid

Analysis Batch: 96028

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			11/19/24 05:35	1

Lab Sample ID: LCS 880-96006/2-A

Matrix: Solid

Analysis Batch: 96028

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	253.5		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-96006/3-A

Matrix: Solid

Analysis Batch: 96028

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	261.1		mg/Kg		104	90 - 110	3	20

Lab Sample ID: 880-51174-26 MS

Matrix: Solid

Analysis Batch: 96028

Client Sample ID: T-3 (6')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	8400	F1	2510	11530	F1	mg/Kg		125	90 - 110

Lab Sample ID: 880-51174-26 MSD

Matrix: Solid

Analysis Batch: 96028

Client Sample ID: T-3 (6')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	8400	F1	2510	11880	F1	mg/Kg		139	90 - 110	3	20

Lab Sample ID: 880-51174-36 MS

Matrix: Solid

Analysis Batch: 96028

Client Sample ID: T-4 (5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1200		249	1484	4	mg/Kg		112	90 - 110

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-51174-36 MSD

Matrix: Solid

Analysis Batch: 96028

Client Sample ID: T-4 (5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1200		249	1492	4	mg/Kg		116	90 - 110	1	20

Lab Sample ID: MB 880-96007/1-A

Matrix: Solid

Analysis Batch: 96029

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			11/19/24 09:49	1

Lab Sample ID: LCS 880-96007/2-A

Matrix: Solid

Analysis Batch: 96029

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	250.4		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-96007/3-A

Matrix: Solid

Analysis Batch: 96029

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	252.7		mg/Kg		101	90 - 110	1	20

Lab Sample ID: 880-51174-46 MS

Matrix: Solid

Analysis Batch: 96029

Client Sample ID: T-5 (7')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1870		1240	3230		mg/Kg		110	90 - 110

Lab Sample ID: 880-51174-46 MSD

Matrix: Solid

Analysis Batch: 96029

Client Sample ID: T-5 (7')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1870		1240	3210		mg/Kg		108	90 - 110	1	20

Lab Sample ID: 880-51174-56 MS

Matrix: Solid

Analysis Batch: 96029

Client Sample ID: T-6 (7')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3040	F1	1260	4117	F1	mg/Kg		85	90 - 110

Lab Sample ID: 880-51174-56 MSD

Matrix: Solid

Analysis Batch: 96029

Client Sample ID: T-6 (7')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3040	F1	1260	4239		mg/Kg		95	90 - 110	3	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

GC VOA

Analysis Batch: 95906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-4	T-1 (3')	Total/NA	Solid	8021B	95992
880-51174-5	T-1 (4')	Total/NA	Solid	8021B	95992
880-51174-7	T-1 (6')	Total/NA	Solid	8021B	95992
880-51174-8	T-1 (7')	Total/NA	Solid	8021B	95992
880-51174-9	T-1 (8')	Total/NA	Solid	8021B	95992
MB 880-95921/5-A	Method Blank	Total/NA	Solid	8021B	95921
MB 880-95992/5-A	Method Blank	Total/NA	Solid	8021B	95992
LCS 880-95992/1-A	Lab Control Sample	Total/NA	Solid	8021B	95992
LCSD 880-95992/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	95992
880-51174-4 MS	T-1 (3')	Total/NA	Solid	8021B	95992
880-51174-4 MSD	T-1 (3')	Total/NA	Solid	8021B	95992

Prep Batch: 95921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-95921/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 95992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-4	T-1 (3')	Total/NA	Solid	5035	
880-51174-5	T-1 (4')	Total/NA	Solid	5035	
880-51174-7	T-1 (6')	Total/NA	Solid	5035	
880-51174-8	T-1 (7')	Total/NA	Solid	5035	
880-51174-9	T-1 (8')	Total/NA	Solid	5035	
MB 880-95992/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-95992/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-95992/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-51174-4 MS	T-1 (3')	Total/NA	Solid	5035	
880-51174-4 MSD	T-1 (3')	Total/NA	Solid	5035	

Prep Batch: 96014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-21	T-3 (1.5')	Total/NA	Solid	5035	
880-51174-22	T-3 (2')	Total/NA	Solid	5035	
880-51174-23	T-3 (3')	Total/NA	Solid	5035	
880-51174-24	T-3 (4')	Total/NA	Solid	5035	
880-51174-25	T-3 (5')	Total/NA	Solid	5035	
880-51174-26	T-3 (6')	Total/NA	Solid	5035	
880-51174-27	T-3 (7')	Total/NA	Solid	5035	
880-51174-28	T-3 (8')	Total/NA	Solid	5035	
880-51174-29	T-3 (9')	Total/NA	Solid	5035	
880-51174-30	T-3 (10')	Total/NA	Solid	5035	
880-51174-31	T-4 (0-1')	Total/NA	Solid	5035	
880-51174-32	T-4 (1.5')	Total/NA	Solid	5035	
880-51174-33	T-4 (2')	Total/NA	Solid	5035	
880-51174-34	T-4 (3')	Total/NA	Solid	5035	
880-51174-35	T-4 (4')	Total/NA	Solid	5035	
880-51174-36	T-4 (5')	Total/NA	Solid	5035	
880-51174-37	T-4 (6')	Total/NA	Solid	5035	
880-51174-38	T-4 (7')	Total/NA	Solid	5035	
880-51174-39	T-5 (0-1')	Total/NA	Solid	5035	
880-51174-40	T-5 (1.5')	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

GC VOA (Continued)

Prep Batch: 96014 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-96014/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-96014/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-96014/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-51174-21 MS	T-3 (1.5')	Total/NA	Solid	5035	
880-51174-21 MSD	T-3 (1.5')	Total/NA	Solid	5035	

Prep Batch: 96015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-41	T-5 (2')	Total/NA	Solid	5035	
880-51174-42	T-5 (3')	Total/NA	Solid	5035	
880-51174-43	T-5 (4')	Total/NA	Solid	5035	
880-51174-44	T-5 (5')	Total/NA	Solid	5035	
880-51174-45	T-5 (6')	Total/NA	Solid	5035	
880-51174-46	T-5 (7')	Total/NA	Solid	5035	
880-51174-47	T-5 (8')	Total/NA	Solid	5035	
880-51174-48	T-5 (9')	Total/NA	Solid	5035	
880-51174-49	T-6 (0-1')	Total/NA	Solid	5035	
880-51174-50	T-6 (1.5')	Total/NA	Solid	5035	
MB 880-96015/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-96015/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-96015/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-51174-41 MS	T-5 (2')	Total/NA	Solid	5035	
880-51174-41 MSD	T-5 (2')	Total/NA	Solid	5035	

Analysis Batch: 96051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-51	T-6 (2')	Total/NA	Solid	8021B	96057
880-51174-54	T-6 (5')	Total/NA	Solid	8021B	96057
880-51174-55	T-6 (6')	Total/NA	Solid	8021B	96057
880-51174-56	T-6 (7')	Total/NA	Solid	8021B	96057
880-51174-57	T-6 (8')	Total/NA	Solid	8021B	96057
880-51174-58	T-6 (9')	Total/NA	Solid	8021B	96057
MB 880-96057/5-A	Method Blank	Total/NA	Solid	8021B	96057
LCS 880-96057/1-A	Lab Control Sample	Total/NA	Solid	8021B	96057
LCSD 880-96057/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	96057
890-7400-A-1-G MS	Matrix Spike	Total/NA	Solid	8021B	96057
890-7400-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	96057

Analysis Batch: 96052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-1	T-1 (0-1')	Total/NA	Solid	8021B	96059
880-51174-2	T-1 (1.5')	Total/NA	Solid	8021B	96059
880-51174-3	T-1 (2)	Total/NA	Solid	8021B	96059
880-51174-6	T-1 (5')	Total/NA	Solid	8021B	96059
880-51174-10	T-2 (0-1')	Total/NA	Solid	8021B	96059
880-51174-12	T-2 (2')	Total/NA	Solid	8021B	96059
880-51174-13	T-2 (3')	Total/NA	Solid	8021B	96059
880-51174-15	T-2 (5')	Total/NA	Solid	8021B	96059
MB 880-96059/5-A	Method Blank	Total/NA	Solid	8021B	96059
LCS 880-96059/1-A	Lab Control Sample	Total/NA	Solid	8021B	96059
LCSD 880-96059/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	96059

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 96052 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51121-A-71-F MS	Matrix Spike	Total/NA	Solid	8021B	96059
880-51121-A-71-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	96059

Analysis Batch: 96053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-41	T-5 (2')	Total/NA	Solid	8021B	96015
880-51174-42	T-5 (3')	Total/NA	Solid	8021B	96015
880-51174-43	T-5 (4')	Total/NA	Solid	8021B	96015
880-51174-44	T-5 (5')	Total/NA	Solid	8021B	96015
880-51174-45	T-5 (6')	Total/NA	Solid	8021B	96015
880-51174-46	T-5 (7')	Total/NA	Solid	8021B	96015
880-51174-47	T-5 (8')	Total/NA	Solid	8021B	96015
880-51174-48	T-5 (9')	Total/NA	Solid	8021B	96015
880-51174-49	T-6 (0-1')	Total/NA	Solid	8021B	96015
880-51174-50	T-6 (1.5')	Total/NA	Solid	8021B	96015
MB 880-96015/5-A	Method Blank	Total/NA	Solid	8021B	96015
LCS 880-96015/1-A	Lab Control Sample	Total/NA	Solid	8021B	96015
LCSD 880-96015/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	96015
880-51174-41 MS	T-5 (2')	Total/NA	Solid	8021B	96015
880-51174-41 MSD	T-5 (2')	Total/NA	Solid	8021B	96015

Analysis Batch: 96054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-11	T-2 (1.5')	Total/NA	Solid	8021B	96061
880-51174-14	T-2 (4')	Total/NA	Solid	8021B	96061
880-51174-16	T-2 (6')	Total/NA	Solid	8021B	96061
880-51174-17	T-2 (7')	Total/NA	Solid	8021B	96061
880-51174-18	T-2 (8')	Total/NA	Solid	8021B	96061
880-51174-19	T-2 (9')	Total/NA	Solid	8021B	96061
880-51174-20	T-3 (0-1')	Total/NA	Solid	8021B	96061
MB 880-96061/5-A	Method Blank	Total/NA	Solid	8021B	96061
LCS 880-96061/1-A	Lab Control Sample	Total/NA	Solid	8021B	96061
LCSD 880-96061/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	96061
890-7400-A-9-C MS	Matrix Spike	Total/NA	Solid	8021B	96061
890-7400-A-9-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	96061

Analysis Batch: 96055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-21	T-3 (1.5')	Total/NA	Solid	8021B	96014
880-51174-22	T-3 (2')	Total/NA	Solid	8021B	96014
880-51174-23	T-3 (3')	Total/NA	Solid	8021B	96014
880-51174-24	T-3 (4')	Total/NA	Solid	8021B	96014
880-51174-25	T-3 (5')	Total/NA	Solid	8021B	96014
880-51174-26	T-3 (6')	Total/NA	Solid	8021B	96014
880-51174-27	T-3 (7')	Total/NA	Solid	8021B	96014
880-51174-28	T-3 (8')	Total/NA	Solid	8021B	96014
880-51174-29	T-3 (9')	Total/NA	Solid	8021B	96014
880-51174-30	T-3 (10')	Total/NA	Solid	8021B	96014
880-51174-31	T-4 (0-1')	Total/NA	Solid	8021B	96014
880-51174-32	T-4 (1.5')	Total/NA	Solid	8021B	96014
880-51174-33	T-4 (2')	Total/NA	Solid	8021B	96014

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 96055 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-34	T-4 (3')	Total/NA	Solid	8021B	96014
880-51174-35	T-4 (4')	Total/NA	Solid	8021B	96014
880-51174-36	T-4 (5')	Total/NA	Solid	8021B	96014
880-51174-37	T-4 (6')	Total/NA	Solid	8021B	96014
880-51174-38	T-4 (7')	Total/NA	Solid	8021B	96014
880-51174-39	T-5 (0-1')	Total/NA	Solid	8021B	96014
880-51174-40	T-5 (1.5')	Total/NA	Solid	8021B	96014
MB 880-96014/5-A	Method Blank	Total/NA	Solid	8021B	96014
LCS 880-96014/1-A	Lab Control Sample	Total/NA	Solid	8021B	96014
LCSD 880-96014/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	96014
880-51174-21 MS	T-3 (1.5')	Total/NA	Solid	8021B	96014
880-51174-21 MSD	T-3 (1.5')	Total/NA	Solid	8021B	96014

Prep Batch: 96057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-51	T-6 (2')	Total/NA	Solid	5035	
880-51174-54	T-6 (5')	Total/NA	Solid	5035	
880-51174-55	T-6 (6')	Total/NA	Solid	5035	
880-51174-56	T-6 (7')	Total/NA	Solid	5035	
880-51174-57	T-6 (8')	Total/NA	Solid	5035	
880-51174-58	T-6 (9')	Total/NA	Solid	5035	
MB 880-96057/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-96057/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-96057/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7400-A-1-G MS	Matrix Spike	Total/NA	Solid	5035	
890-7400-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 96059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-1	T-1 (0-1')	Total/NA	Solid	5035	
880-51174-2	T-1 (1.5')	Total/NA	Solid	5035	
880-51174-3	T-1 (2')	Total/NA	Solid	5035	
880-51174-6	T-1 (5')	Total/NA	Solid	5035	
880-51174-10	T-2 (0-1')	Total/NA	Solid	5035	
880-51174-12	T-2 (2')	Total/NA	Solid	5035	
880-51174-13	T-2 (3')	Total/NA	Solid	5035	
880-51174-15	T-2 (5')	Total/NA	Solid	5035	
MB 880-96059/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-96059/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-96059/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-51121-A-71-F MS	Matrix Spike	Total/NA	Solid	5035	
880-51121-A-71-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 96061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-11	T-2 (1.5')	Total/NA	Solid	5035	
880-51174-14	T-2 (4')	Total/NA	Solid	5035	
880-51174-16	T-2 (6')	Total/NA	Solid	5035	
880-51174-17	T-2 (7')	Total/NA	Solid	5035	
880-51174-18	T-2 (8')	Total/NA	Solid	5035	
880-51174-19	T-2 (9')	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

GC VOA (Continued)

Prep Batch: 96061 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-20	T-3 (0-1')	Total/NA	Solid	5035	
MB 880-96061/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-96061/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-96061/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7400-A-9-C MS	Matrix Spike	Total/NA	Solid	5035	
890-7400-A-9-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 96114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-1	T-1 (0-1')	Total/NA	Solid	Total BTEX	
880-51174-2	T-1 (1.5')	Total/NA	Solid	Total BTEX	
880-51174-3	T-1 (2')	Total/NA	Solid	Total BTEX	
880-51174-4	T-1 (3')	Total/NA	Solid	Total BTEX	
880-51174-5	T-1 (4')	Total/NA	Solid	Total BTEX	
880-51174-6	T-1 (5')	Total/NA	Solid	Total BTEX	
880-51174-7	T-1 (6')	Total/NA	Solid	Total BTEX	
880-51174-8	T-1 (7')	Total/NA	Solid	Total BTEX	
880-51174-9	T-1 (8')	Total/NA	Solid	Total BTEX	
880-51174-10	T-2 (0-1')	Total/NA	Solid	Total BTEX	
880-51174-11	T-2 (1.5')	Total/NA	Solid	Total BTEX	
880-51174-12	T-2 (2')	Total/NA	Solid	Total BTEX	
880-51174-13	T-2 (3')	Total/NA	Solid	Total BTEX	
880-51174-14	T-2 (4')	Total/NA	Solid	Total BTEX	
880-51174-15	T-2 (5')	Total/NA	Solid	Total BTEX	
880-51174-16	T-2 (6')	Total/NA	Solid	Total BTEX	
880-51174-17	T-2 (7')	Total/NA	Solid	Total BTEX	
880-51174-18	T-2 (8')	Total/NA	Solid	Total BTEX	
880-51174-19	T-2 (9')	Total/NA	Solid	Total BTEX	
880-51174-20	T-3 (0-1')	Total/NA	Solid	Total BTEX	
880-51174-21	T-3 (1.5')	Total/NA	Solid	Total BTEX	
880-51174-22	T-3 (2')	Total/NA	Solid	Total BTEX	
880-51174-23	T-3 (3')	Total/NA	Solid	Total BTEX	
880-51174-24	T-3 (4')	Total/NA	Solid	Total BTEX	
880-51174-25	T-3 (5')	Total/NA	Solid	Total BTEX	
880-51174-26	T-3 (6')	Total/NA	Solid	Total BTEX	
880-51174-27	T-3 (7')	Total/NA	Solid	Total BTEX	
880-51174-28	T-3 (8')	Total/NA	Solid	Total BTEX	
880-51174-29	T-3 (9')	Total/NA	Solid	Total BTEX	
880-51174-30	T-3 (10')	Total/NA	Solid	Total BTEX	
880-51174-31	T-4 (0-1')	Total/NA	Solid	Total BTEX	
880-51174-32	T-4 (1.5')	Total/NA	Solid	Total BTEX	
880-51174-33	T-4 (2')	Total/NA	Solid	Total BTEX	
880-51174-34	T-4 (3')	Total/NA	Solid	Total BTEX	
880-51174-35	T-4 (4')	Total/NA	Solid	Total BTEX	
880-51174-36	T-4 (5')	Total/NA	Solid	Total BTEX	
880-51174-37	T-4 (6')	Total/NA	Solid	Total BTEX	
880-51174-38	T-4 (7')	Total/NA	Solid	Total BTEX	
880-51174-39	T-5 (0-1')	Total/NA	Solid	Total BTEX	
880-51174-40	T-5 (1.5')	Total/NA	Solid	Total BTEX	
880-51174-41	T-5 (2')	Total/NA	Solid	Total BTEX	
880-51174-42	T-5 (3')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 96114 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-43	T-5 (4')	Total/NA	Solid	Total BTEX	
880-51174-44	T-5 (5')	Total/NA	Solid	Total BTEX	
880-51174-45	T-5 (6')	Total/NA	Solid	Total BTEX	
880-51174-46	T-5 (7')	Total/NA	Solid	Total BTEX	
880-51174-47	T-5 (8')	Total/NA	Solid	Total BTEX	
880-51174-48	T-5 (9')	Total/NA	Solid	Total BTEX	
880-51174-49	T-6 (0-1')	Total/NA	Solid	Total BTEX	
880-51174-50	T-6 (1.5')	Total/NA	Solid	Total BTEX	
880-51174-51	T-6 (2')	Total/NA	Solid	Total BTEX	
880-51174-52	T-6 (3')	Total/NA	Solid	Total BTEX	
880-51174-53	T-6 (4')	Total/NA	Solid	Total BTEX	
880-51174-54	T-6 (5')	Total/NA	Solid	Total BTEX	
880-51174-55	T-6 (6')	Total/NA	Solid	Total BTEX	
880-51174-56	T-6 (7')	Total/NA	Solid	Total BTEX	
880-51174-57	T-6 (8')	Total/NA	Solid	Total BTEX	
880-51174-58	T-6 (9')	Total/NA	Solid	Total BTEX	

Prep Batch: 96118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-2	T-1 (1.5')	Total/NA	Solid	5035	
880-51174-3	T-1 (2)	Total/NA	Solid	5035	
880-51174-10	T-2 (0-1')	Total/NA	Solid	5035	
880-51174-11	T-2 (1.5')	Total/NA	Solid	5035	
880-51174-12	T-2 (2')	Total/NA	Solid	5035	
MB 880-96118/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-96118/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-96118/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-51266-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-51266-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 96152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-2	T-1 (1.5')	Total/NA	Solid	8021B	96118
880-51174-3	T-1 (2)	Total/NA	Solid	8021B	96118
880-51174-10	T-2 (0-1')	Total/NA	Solid	8021B	96118
880-51174-11	T-2 (1.5')	Total/NA	Solid	8021B	96118
880-51174-12	T-2 (2')	Total/NA	Solid	8021B	96118
880-51174-12	T-2 (2')	Total/NA	Solid	8021B	96118
MB 880-96118/5-A	Method Blank	Total/NA	Solid	8021B	96118
LCS 880-96118/1-A	Lab Control Sample	Total/NA	Solid	8021B	96118
LCSD 880-96118/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	96118
880-51266-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	96118
880-51266-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	96118

Analysis Batch: 96154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-3	T-1 (2)	Total/NA	Solid	8021B	96163
880-51174-13	T-2 (3')	Total/NA	Solid	8021B	96163
880-51174-13	T-2 (3')	Total/NA	Solid	8021B	96163
880-51174-14	T-2 (4')	Total/NA	Solid	8021B	96163
880-51174-49	T-6 (0-1')	Total/NA	Solid	8021B	96163

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 96154 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-52	T-6 (3')	Total/NA	Solid	8021B	96163
880-51174-53	T-6 (4')	Total/NA	Solid	8021B	96163
MB 880-96163/5-A	Method Blank	Total/NA	Solid	8021B	96163
LCS 880-96163/1-A	Lab Control Sample	Total/NA	Solid	8021B	96163
LCSD 880-96163/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	96163
880-51244-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	96163
880-51244-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	96163

Prep Batch: 96163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-3	T-1 (2)	Total/NA	Solid	5035	
880-51174-13	T-2 (3')	Total/NA	Solid	5035	
880-51174-14	T-2 (4')	Total/NA	Solid	5035	
880-51174-49	T-6 (0-1')	Total/NA	Solid	5035	
880-51174-52	T-6 (3')	Total/NA	Solid	5035	
880-51174-53	T-6 (4')	Total/NA	Solid	5035	
MB 880-96163/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-96163/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-96163/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-51244-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-51244-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 96228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-15	T-2 (5')	Total/NA	Solid	8021B	96233
MB 880-96233/5-A	Method Blank	Total/NA	Solid	8021B	96233
LCS 880-96233/1-A	Lab Control Sample	Total/NA	Solid	8021B	96233
LCSD 880-96233/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	96233
890-7403-A-19-B MS	Matrix Spike	Total/NA	Solid	8021B	96233
890-7403-A-19-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	96233

Prep Batch: 96233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-15	T-2 (5')	Total/NA	Solid	5035	
MB 880-96233/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-96233/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-96233/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7403-A-19-B MS	Matrix Spike	Total/NA	Solid	5035	
890-7403-A-19-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 95837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-1	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-95837/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-95837/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-95837/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7392-A-112-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7392-A-112-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

GC Semi VOA

Prep Batch: 96009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-2	T-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-51174-3	T-1 (2')	Total/NA	Solid	8015NM Prep	
880-51174-4	T-1 (3')	Total/NA	Solid	8015NM Prep	
880-51174-5	T-1 (4')	Total/NA	Solid	8015NM Prep	
880-51174-6	T-1 (5')	Total/NA	Solid	8015NM Prep	
880-51174-7	T-1 (6')	Total/NA	Solid	8015NM Prep	
880-51174-8	T-1 (7')	Total/NA	Solid	8015NM Prep	
880-51174-9	T-1 (8')	Total/NA	Solid	8015NM Prep	
880-51174-11	T-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-51174-14	T-2 (4')	Total/NA	Solid	8015NM Prep	
880-51174-15	T-2 (5')	Total/NA	Solid	8015NM Prep	
880-51174-16	T-2 (6')	Total/NA	Solid	8015NM Prep	
880-51174-17	T-2 (7')	Total/NA	Solid	8015NM Prep	
880-51174-18	T-2 (8')	Total/NA	Solid	8015NM Prep	
880-51174-19	T-2 (9')	Total/NA	Solid	8015NM Prep	
880-51174-20	T-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-51174-21	T-3 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-96009/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-96009/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-96009/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-51174-16 MS	T-2 (6')	Total/NA	Solid	8015NM Prep	
880-51174-16 MSD	T-2 (6')	Total/NA	Solid	8015NM Prep	

Prep Batch: 96010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-22	T-3 (2')	Total/NA	Solid	8015NM Prep	
880-51174-23	T-3 (3')	Total/NA	Solid	8015NM Prep	
880-51174-24	T-3 (4')	Total/NA	Solid	8015NM Prep	
880-51174-25	T-3 (5')	Total/NA	Solid	8015NM Prep	
880-51174-26	T-3 (6')	Total/NA	Solid	8015NM Prep	
880-51174-27	T-3 (7')	Total/NA	Solid	8015NM Prep	
880-51174-28	T-3 (8')	Total/NA	Solid	8015NM Prep	
880-51174-29	T-3 (9')	Total/NA	Solid	8015NM Prep	
880-51174-30	T-3 (10')	Total/NA	Solid	8015NM Prep	
880-51174-31	T-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-51174-32	T-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-51174-33	T-4 (2')	Total/NA	Solid	8015NM Prep	
880-51174-34	T-4 (3')	Total/NA	Solid	8015NM Prep	
880-51174-35	T-4 (4')	Total/NA	Solid	8015NM Prep	
880-51174-36	T-4 (5')	Total/NA	Solid	8015NM Prep	
880-51174-37	T-4 (6')	Total/NA	Solid	8015NM Prep	
880-51174-38	T-4 (7')	Total/NA	Solid	8015NM Prep	
880-51174-39	T-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-51174-40	T-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-51174-41	T-5 (2')	Total/NA	Solid	8015NM Prep	
MB 880-96010/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-96010/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-96010/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-51174-22 MS	T-3 (2')	Total/NA	Solid	8015NM Prep	
880-51174-22 MSD	T-3 (2')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

GC Semi VOA

Prep Batch: 96011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-42	T-5 (3')	Total/NA	Solid	8015NM Prep	
880-51174-43	T-5 (4')	Total/NA	Solid	8015NM Prep	
880-51174-44	T-5 (5')	Total/NA	Solid	8015NM Prep	
880-51174-45	T-5 (6')	Total/NA	Solid	8015NM Prep	
880-51174-46	T-5 (7')	Total/NA	Solid	8015NM Prep	
880-51174-47	T-5 (8')	Total/NA	Solid	8015NM Prep	
880-51174-48	T-5 (9')	Total/NA	Solid	8015NM Prep	
880-51174-49	T-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-51174-50	T-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-51174-51	T-6 (2')	Total/NA	Solid	8015NM Prep	
880-51174-52	T-6 (3')	Total/NA	Solid	8015NM Prep	
880-51174-54	T-6 (5')	Total/NA	Solid	8015NM Prep	
880-51174-55	T-6 (6')	Total/NA	Solid	8015NM Prep	
880-51174-56	T-6 (7')	Total/NA	Solid	8015NM Prep	
880-51174-57	T-6 (8')	Total/NA	Solid	8015NM Prep	
880-51174-58	T-6 (9')	Total/NA	Solid	8015NM Prep	
MB 880-96011/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-96011/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-96011/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-51174-42 MS	T-5 (3')	Total/NA	Solid	8015NM Prep	
880-51174-42 MSD	T-5 (3')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 96065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-1	T-1 (0-1')	Total/NA	Solid	8015B NM	95837
MB 880-95837/1-A	Method Blank	Total/NA	Solid	8015B NM	95837
LCS 880-95837/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	95837
LCSD 880-95837/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	95837
890-7392-A-112-B MS	Matrix Spike	Total/NA	Solid	8015B NM	95837
890-7392-A-112-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	95837

Analysis Batch: 96067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-22	T-3 (2')	Total/NA	Solid	8015B NM	96010
880-51174-23	T-3 (3')	Total/NA	Solid	8015B NM	96010
880-51174-24	T-3 (4')	Total/NA	Solid	8015B NM	96010
880-51174-25	T-3 (5')	Total/NA	Solid	8015B NM	96010
880-51174-26	T-3 (6')	Total/NA	Solid	8015B NM	96010
880-51174-27	T-3 (7')	Total/NA	Solid	8015B NM	96010
880-51174-28	T-3 (8')	Total/NA	Solid	8015B NM	96010
880-51174-29	T-3 (9')	Total/NA	Solid	8015B NM	96010
880-51174-30	T-3 (10')	Total/NA	Solid	8015B NM	96010
880-51174-31	T-4 (0-1')	Total/NA	Solid	8015B NM	96010
880-51174-32	T-4 (1.5')	Total/NA	Solid	8015B NM	96010
880-51174-33	T-4 (2')	Total/NA	Solid	8015B NM	96010
880-51174-34	T-4 (3')	Total/NA	Solid	8015B NM	96010
880-51174-35	T-4 (4')	Total/NA	Solid	8015B NM	96010
880-51174-36	T-4 (5')	Total/NA	Solid	8015B NM	96010
880-51174-37	T-4 (6')	Total/NA	Solid	8015B NM	96010
880-51174-38	T-4 (7')	Total/NA	Solid	8015B NM	96010
880-51174-39	T-5 (0-1')	Total/NA	Solid	8015B NM	96010

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 96067 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-40	T-5 (1.5')	Total/NA	Solid	8015B NM	96010
880-51174-41	T-5 (2')	Total/NA	Solid	8015B NM	96010
MB 880-96010/1-A	Method Blank	Total/NA	Solid	8015B NM	96010
LCS 880-96010/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	96010
LCSD 880-96010/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	96010
880-51174-22 MS	T-3 (2')	Total/NA	Solid	8015B NM	96010
880-51174-22 MSD	T-3 (2')	Total/NA	Solid	8015B NM	96010

Analysis Batch: 96104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-2	T-1 (1.5')	Total/NA	Solid	8015B NM	96009
880-51174-3	T-1 (2)	Total/NA	Solid	8015B NM	96009
880-51174-4	T-1 (3')	Total/NA	Solid	8015B NM	96009
880-51174-5	T-1 (4')	Total/NA	Solid	8015B NM	96009
880-51174-6	T-1 (5')	Total/NA	Solid	8015B NM	96009
880-51174-7	T-1 (6')	Total/NA	Solid	8015B NM	96009
880-51174-8	T-1 (7')	Total/NA	Solid	8015B NM	96009
880-51174-9	T-1 (8')	Total/NA	Solid	8015B NM	96009
880-51174-11	T-2 (1.5')	Total/NA	Solid	8015B NM	96009
880-51174-14	T-2 (4')	Total/NA	Solid	8015B NM	96009
880-51174-15	T-2 (5')	Total/NA	Solid	8015B NM	96009
880-51174-16	T-2 (6')	Total/NA	Solid	8015B NM	96009
880-51174-17	T-2 (7')	Total/NA	Solid	8015B NM	96009
880-51174-18	T-2 (8')	Total/NA	Solid	8015B NM	96009
880-51174-19	T-2 (9')	Total/NA	Solid	8015B NM	96009
880-51174-20	T-3 (0-1')	Total/NA	Solid	8015B NM	96009
880-51174-21	T-3 (1.5')	Total/NA	Solid	8015B NM	96009
MB 880-96009/1-A	Method Blank	Total/NA	Solid	8015B NM	96009
LCS 880-96009/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	96009
LCSD 880-96009/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	96009
880-51174-16 MS	T-2 (6')	Total/NA	Solid	8015B NM	96009
880-51174-16 MSD	T-2 (6')	Total/NA	Solid	8015B NM	96009

Prep Batch: 96170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-10	T-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-51174-12	T-2 (2')	Total/NA	Solid	8015NM Prep	
880-51174-13	T-2 (3')	Total/NA	Solid	8015NM Prep	
MB 880-96170/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-96170/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-96170/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-51287-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-51287-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 96172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-10	T-2 (0-1')	Total/NA	Solid	8015B NM	96170
880-51174-12	T-2 (2')	Total/NA	Solid	8015B NM	96170
880-51174-13	T-2 (3')	Total/NA	Solid	8015B NM	96170
MB 880-96170/1-A	Method Blank	Total/NA	Solid	8015B NM	96170
LCS 880-96170/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	96170

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 96172 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-96170/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	96170
880-51287-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	96170
880-51287-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	96170

Analysis Batch: 96174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-42	T-5 (3')	Total/NA	Solid	8015B NM	96011
880-51174-43	T-5 (4')	Total/NA	Solid	8015B NM	96011
880-51174-44	T-5 (5')	Total/NA	Solid	8015B NM	96011
880-51174-45	T-5 (6')	Total/NA	Solid	8015B NM	96011
880-51174-46	T-5 (7')	Total/NA	Solid	8015B NM	96011
880-51174-47	T-5 (8')	Total/NA	Solid	8015B NM	96011
880-51174-48	T-5 (9')	Total/NA	Solid	8015B NM	96011
880-51174-49	T-6 (0-1')	Total/NA	Solid	8015B NM	96011
880-51174-50	T-6 (1.5')	Total/NA	Solid	8015B NM	96011
880-51174-51	T-6 (2')	Total/NA	Solid	8015B NM	96011
880-51174-52	T-6 (3')	Total/NA	Solid	8015B NM	96011
880-51174-54	T-6 (5')	Total/NA	Solid	8015B NM	96011
880-51174-55	T-6 (6')	Total/NA	Solid	8015B NM	96011
880-51174-56	T-6 (7')	Total/NA	Solid	8015B NM	96011
880-51174-57	T-6 (8')	Total/NA	Solid	8015B NM	96011
880-51174-58	T-6 (9')	Total/NA	Solid	8015B NM	96011
MB 880-96011/1-A	Method Blank	Total/NA	Solid	8015B NM	96011
LCS 880-96011/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	96011
LCSD 880-96011/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	96011
880-51174-42 MS	T-5 (3')	Total/NA	Solid	8015B NM	96011
880-51174-42 MSD	T-5 (3')	Total/NA	Solid	8015B NM	96011

Analysis Batch: 96182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-1	T-1 (0-1')	Total/NA	Solid	8015 NM	
880-51174-2	T-1 (1.5')	Total/NA	Solid	8015 NM	
880-51174-3	T-1 (2')	Total/NA	Solid	8015 NM	
880-51174-4	T-1 (3')	Total/NA	Solid	8015 NM	
880-51174-5	T-1 (4')	Total/NA	Solid	8015 NM	
880-51174-6	T-1 (5')	Total/NA	Solid	8015 NM	
880-51174-7	T-1 (6')	Total/NA	Solid	8015 NM	
880-51174-8	T-1 (7')	Total/NA	Solid	8015 NM	
880-51174-9	T-1 (8')	Total/NA	Solid	8015 NM	
880-51174-10	T-2 (0-1')	Total/NA	Solid	8015 NM	
880-51174-11	T-2 (1.5')	Total/NA	Solid	8015 NM	
880-51174-12	T-2 (2')	Total/NA	Solid	8015 NM	
880-51174-13	T-2 (3')	Total/NA	Solid	8015 NM	
880-51174-14	T-2 (4')	Total/NA	Solid	8015 NM	
880-51174-15	T-2 (5')	Total/NA	Solid	8015 NM	
880-51174-16	T-2 (6')	Total/NA	Solid	8015 NM	
880-51174-17	T-2 (7')	Total/NA	Solid	8015 NM	
880-51174-18	T-2 (8')	Total/NA	Solid	8015 NM	
880-51174-19	T-2 (9')	Total/NA	Solid	8015 NM	
880-51174-20	T-3 (0-1')	Total/NA	Solid	8015 NM	
880-51174-21	T-3 (1.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 96182 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-22	T-3 (2')	Total/NA	Solid	8015 NM	
880-51174-23	T-3 (3')	Total/NA	Solid	8015 NM	
880-51174-24	T-3 (4')	Total/NA	Solid	8015 NM	
880-51174-25	T-3 (5')	Total/NA	Solid	8015 NM	
880-51174-26	T-3 (6')	Total/NA	Solid	8015 NM	
880-51174-27	T-3 (7')	Total/NA	Solid	8015 NM	
880-51174-28	T-3 (8')	Total/NA	Solid	8015 NM	
880-51174-29	T-3 (9')	Total/NA	Solid	8015 NM	
880-51174-30	T-3 (10')	Total/NA	Solid	8015 NM	
880-51174-31	T-4 (0-1')	Total/NA	Solid	8015 NM	
880-51174-32	T-4 (1.5')	Total/NA	Solid	8015 NM	
880-51174-33	T-4 (2')	Total/NA	Solid	8015 NM	
880-51174-34	T-4 (3')	Total/NA	Solid	8015 NM	
880-51174-35	T-4 (4')	Total/NA	Solid	8015 NM	
880-51174-36	T-4 (5')	Total/NA	Solid	8015 NM	
880-51174-37	T-4 (6')	Total/NA	Solid	8015 NM	
880-51174-38	T-4 (7')	Total/NA	Solid	8015 NM	
880-51174-39	T-5 (0-1')	Total/NA	Solid	8015 NM	
880-51174-40	T-5 (1.5')	Total/NA	Solid	8015 NM	
880-51174-41	T-5 (2')	Total/NA	Solid	8015 NM	
880-51174-42	T-5 (3')	Total/NA	Solid	8015 NM	
880-51174-43	T-5 (4')	Total/NA	Solid	8015 NM	
880-51174-44	T-5 (5')	Total/NA	Solid	8015 NM	
880-51174-45	T-5 (6')	Total/NA	Solid	8015 NM	
880-51174-46	T-5 (7')	Total/NA	Solid	8015 NM	
880-51174-47	T-5 (8')	Total/NA	Solid	8015 NM	
880-51174-48	T-5 (9')	Total/NA	Solid	8015 NM	
880-51174-49	T-6 (0-1')	Total/NA	Solid	8015 NM	
880-51174-50	T-6 (1.5')	Total/NA	Solid	8015 NM	
880-51174-51	T-6 (2')	Total/NA	Solid	8015 NM	
880-51174-52	T-6 (3')	Total/NA	Solid	8015 NM	
880-51174-53	T-6 (4')	Total/NA	Solid	8015 NM	
880-51174-54	T-6 (5')	Total/NA	Solid	8015 NM	
880-51174-55	T-6 (6')	Total/NA	Solid	8015 NM	
880-51174-56	T-6 (7')	Total/NA	Solid	8015 NM	
880-51174-57	T-6 (8')	Total/NA	Solid	8015 NM	
880-51174-58	T-6 (9')	Total/NA	Solid	8015 NM	

Prep Batch: 96192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-53	T-6 (4')	Total/NA	Solid	8015NM Prep	
MB 880-96192/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-96192/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-96192/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7403-A-21-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7403-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 96260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-53	T-6 (4')	Total/NA	Solid	8015B NM	96192
MB 880-96192/1-A	Method Blank	Total/NA	Solid	8015B NM	96192

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 96260 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-96192/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	96192
LCSD 880-96192/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	96192
890-7403-A-21-B MS	Matrix Spike	Total/NA	Solid	8015B NM	96192
890-7403-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	96192

HPLC/IC

Leach Batch: 95998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-1	T-1 (0-1')	Soluble	Solid	DI Leach	
880-51174-2	T-1 (1.5')	Soluble	Solid	DI Leach	
880-51174-3	T-1 (2')	Soluble	Solid	DI Leach	
880-51174-4	T-1 (3')	Soluble	Solid	DI Leach	
880-51174-5	T-1 (4')	Soluble	Solid	DI Leach	
MB 880-95998/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-95998/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-95998/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-51173-A-10-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-51173-A-10-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 96005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-6	T-1 (5')	Soluble	Solid	DI Leach	
880-51174-7	T-1 (6')	Soluble	Solid	DI Leach	
880-51174-8	T-1 (7')	Soluble	Solid	DI Leach	
880-51174-9	T-1 (8')	Soluble	Solid	DI Leach	
880-51174-10	T-2 (0-1')	Soluble	Solid	DI Leach	
880-51174-11	T-2 (1.5')	Soluble	Solid	DI Leach	
880-51174-12	T-2 (2')	Soluble	Solid	DI Leach	
880-51174-13	T-2 (3')	Soluble	Solid	DI Leach	
880-51174-14	T-2 (4')	Soluble	Solid	DI Leach	
880-51174-15	T-2 (5')	Soluble	Solid	DI Leach	
880-51174-16	T-2 (6')	Soluble	Solid	DI Leach	
880-51174-17	T-2 (7')	Soluble	Solid	DI Leach	
880-51174-18	T-2 (8')	Soluble	Solid	DI Leach	
880-51174-19	T-2 (9')	Soluble	Solid	DI Leach	
880-51174-20	T-3 (0-1')	Soluble	Solid	DI Leach	
880-51174-21	T-3 (1.5')	Soluble	Solid	DI Leach	
880-51174-22	T-3 (2')	Soluble	Solid	DI Leach	
880-51174-23	T-3 (3')	Soluble	Solid	DI Leach	
880-51174-24	T-3 (4')	Soluble	Solid	DI Leach	
880-51174-25	T-3 (5')	Soluble	Solid	DI Leach	
MB 880-96005/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-96005/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-96005/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-51174-6 MS	T-1 (5')	Soluble	Solid	DI Leach	
880-51174-6 MSD	T-1 (5')	Soluble	Solid	DI Leach	
880-51174-16 MS	T-2 (6')	Soluble	Solid	DI Leach	
880-51174-16 MSD	T-2 (6')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

HPLC/IC

Leach Batch: 96006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-26	T-3 (6')	Soluble	Solid	DI Leach	
880-51174-27	T-3 (7')	Soluble	Solid	DI Leach	
880-51174-28	T-3 (8')	Soluble	Solid	DI Leach	
880-51174-29	T-3 (9')	Soluble	Solid	DI Leach	
880-51174-30	T-3 (10')	Soluble	Solid	DI Leach	
880-51174-31	T-4 (0-1')	Soluble	Solid	DI Leach	
880-51174-32	T-4 (1.5')	Soluble	Solid	DI Leach	
880-51174-33	T-4 (2')	Soluble	Solid	DI Leach	
880-51174-34	T-4 (3')	Soluble	Solid	DI Leach	
880-51174-35	T-4 (4')	Soluble	Solid	DI Leach	
880-51174-36	T-4 (5')	Soluble	Solid	DI Leach	
880-51174-37	T-4 (6')	Soluble	Solid	DI Leach	
880-51174-38	T-4 (7')	Soluble	Solid	DI Leach	
880-51174-39	T-5 (0-1')	Soluble	Solid	DI Leach	
880-51174-40	T-5 (1.5')	Soluble	Solid	DI Leach	
880-51174-41	T-5 (2')	Soluble	Solid	DI Leach	
880-51174-42	T-5 (3')	Soluble	Solid	DI Leach	
880-51174-43	T-5 (4')	Soluble	Solid	DI Leach	
880-51174-44	T-5 (5')	Soluble	Solid	DI Leach	
880-51174-45	T-5 (6')	Soluble	Solid	DI Leach	
MB 880-96006/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-96006/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-96006/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-51174-26 MS	T-3 (6')	Soluble	Solid	DI Leach	
880-51174-26 MSD	T-3 (6')	Soluble	Solid	DI Leach	
880-51174-36 MS	T-4 (5')	Soluble	Solid	DI Leach	
880-51174-36 MSD	T-4 (5')	Soluble	Solid	DI Leach	

Leach Batch: 96007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-46	T-5 (7')	Soluble	Solid	DI Leach	
880-51174-47	T-5 (8')	Soluble	Solid	DI Leach	
880-51174-48	T-5 (9')	Soluble	Solid	DI Leach	
880-51174-49	T-6 (0-1')	Soluble	Solid	DI Leach	
880-51174-50	T-6 (1.5')	Soluble	Solid	DI Leach	
880-51174-51	T-6 (2')	Soluble	Solid	DI Leach	
880-51174-52	T-6 (3')	Soluble	Solid	DI Leach	
880-51174-53	T-6 (4')	Soluble	Solid	DI Leach	
880-51174-54	T-6 (5')	Soluble	Solid	DI Leach	
880-51174-55	T-6 (6')	Soluble	Solid	DI Leach	
880-51174-56	T-6 (7')	Soluble	Solid	DI Leach	
880-51174-57	T-6 (8')	Soluble	Solid	DI Leach	
880-51174-58	T-6 (9')	Soluble	Solid	DI Leach	
MB 880-96007/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-96007/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-96007/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-51174-46 MS	T-5 (7')	Soluble	Solid	DI Leach	
880-51174-46 MSD	T-5 (7')	Soluble	Solid	DI Leach	
880-51174-56 MS	T-6 (7')	Soluble	Solid	DI Leach	
880-51174-56 MSD	T-6 (7')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

HPLC/IC

Analysis Batch: 96024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-1	T-1 (0-1')	Soluble	Solid	300.0	95998
880-51174-2	T-1 (1.5')	Soluble	Solid	300.0	95998
880-51174-3	T-1 (2')	Soluble	Solid	300.0	95998
880-51174-4	T-1 (3')	Soluble	Solid	300.0	95998
880-51174-5	T-1 (4')	Soluble	Solid	300.0	95998
MB 880-95998/1-A	Method Blank	Soluble	Solid	300.0	95998
LCS 880-95998/2-A	Lab Control Sample	Soluble	Solid	300.0	95998
LCSD 880-95998/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	95998
880-51173-A-10-C MS	Matrix Spike	Soluble	Solid	300.0	95998
880-51173-A-10-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	95998

Analysis Batch: 96027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-6	T-1 (5')	Soluble	Solid	300.0	96005
880-51174-7	T-1 (6')	Soluble	Solid	300.0	96005
880-51174-8	T-1 (7')	Soluble	Solid	300.0	96005
880-51174-9	T-1 (8')	Soluble	Solid	300.0	96005
880-51174-10	T-2 (0-1')	Soluble	Solid	300.0	96005
880-51174-11	T-2 (1.5')	Soluble	Solid	300.0	96005
880-51174-12	T-2 (2')	Soluble	Solid	300.0	96005
880-51174-13	T-2 (3')	Soluble	Solid	300.0	96005
880-51174-14	T-2 (4')	Soluble	Solid	300.0	96005
880-51174-15	T-2 (5')	Soluble	Solid	300.0	96005
880-51174-16	T-2 (6')	Soluble	Solid	300.0	96005
880-51174-17	T-2 (7')	Soluble	Solid	300.0	96005
880-51174-18	T-2 (8')	Soluble	Solid	300.0	96005
880-51174-19	T-2 (9')	Soluble	Solid	300.0	96005
880-51174-20	T-3 (0-1')	Soluble	Solid	300.0	96005
880-51174-21	T-3 (1.5')	Soluble	Solid	300.0	96005
880-51174-22	T-3 (2')	Soluble	Solid	300.0	96005
880-51174-23	T-3 (3')	Soluble	Solid	300.0	96005
880-51174-24	T-3 (4')	Soluble	Solid	300.0	96005
880-51174-25	T-3 (5')	Soluble	Solid	300.0	96005
MB 880-96005/1-A	Method Blank	Soluble	Solid	300.0	96005
LCS 880-96005/2-A	Lab Control Sample	Soluble	Solid	300.0	96005
LCSD 880-96005/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	96005
880-51174-6 MS	T-1 (5')	Soluble	Solid	300.0	96005
880-51174-6 MSD	T-1 (5')	Soluble	Solid	300.0	96005
880-51174-16 MS	T-2 (6')	Soluble	Solid	300.0	96005
880-51174-16 MSD	T-2 (6')	Soluble	Solid	300.0	96005

Analysis Batch: 96028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-26	T-3 (6')	Soluble	Solid	300.0	96006
880-51174-27	T-3 (7')	Soluble	Solid	300.0	96006
880-51174-28	T-3 (8')	Soluble	Solid	300.0	96006
880-51174-29	T-3 (9')	Soluble	Solid	300.0	96006
880-51174-30	T-3 (10')	Soluble	Solid	300.0	96006
880-51174-31	T-4 (0-1')	Soluble	Solid	300.0	96006
880-51174-32	T-4 (1.5')	Soluble	Solid	300.0	96006
880-51174-33	T-4 (2')	Soluble	Solid	300.0	96006

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 96028 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-34	T-4 (3')	Soluble	Solid	300.0	96006
880-51174-35	T-4 (4')	Soluble	Solid	300.0	96006
880-51174-36	T-4 (5')	Soluble	Solid	300.0	96006
880-51174-37	T-4 (6')	Soluble	Solid	300.0	96006
880-51174-38	T-4 (7')	Soluble	Solid	300.0	96006
880-51174-39	T-5 (0-1')	Soluble	Solid	300.0	96006
880-51174-40	T-5 (1.5')	Soluble	Solid	300.0	96006
880-51174-41	T-5 (2')	Soluble	Solid	300.0	96006
880-51174-42	T-5 (3')	Soluble	Solid	300.0	96006
880-51174-43	T-5 (4')	Soluble	Solid	300.0	96006
880-51174-44	T-5 (5')	Soluble	Solid	300.0	96006
880-51174-45	T-5 (6')	Soluble	Solid	300.0	96006
MB 880-96006/1-A	Method Blank	Soluble	Solid	300.0	96006
LCS 880-96006/2-A	Lab Control Sample	Soluble	Solid	300.0	96006
LCSD 880-96006/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	96006
880-51174-26 MS	T-3 (6')	Soluble	Solid	300.0	96006
880-51174-26 MSD	T-3 (6')	Soluble	Solid	300.0	96006
880-51174-36 MS	T-4 (5')	Soluble	Solid	300.0	96006
880-51174-36 MSD	T-4 (5')	Soluble	Solid	300.0	96006

Analysis Batch: 96029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-51174-46	T-5 (7')	Soluble	Solid	300.0	96007
880-51174-47	T-5 (8')	Soluble	Solid	300.0	96007
880-51174-48	T-5 (9')	Soluble	Solid	300.0	96007
880-51174-49	T-6 (0-1')	Soluble	Solid	300.0	96007
880-51174-50	T-6 (1.5')	Soluble	Solid	300.0	96007
880-51174-51	T-6 (2')	Soluble	Solid	300.0	96007
880-51174-52	T-6 (3')	Soluble	Solid	300.0	96007
880-51174-53	T-6 (4')	Soluble	Solid	300.0	96007
880-51174-54	T-6 (5')	Soluble	Solid	300.0	96007
880-51174-55	T-6 (6')	Soluble	Solid	300.0	96007
880-51174-56	T-6 (7')	Soluble	Solid	300.0	96007
880-51174-57	T-6 (8')	Soluble	Solid	300.0	96007
880-51174-58	T-6 (9')	Soluble	Solid	300.0	96007
MB 880-96007/1-A	Method Blank	Soluble	Solid	300.0	96007
LCS 880-96007/2-A	Lab Control Sample	Soluble	Solid	300.0	96007
LCSD 880-96007/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	96007
880-51174-46 MS	T-5 (7')	Soluble	Solid	300.0	96007
880-51174-46 MSD	T-5 (7')	Soluble	Solid	300.0	96007
880-51174-56 MS	T-6 (7')	Soluble	Solid	300.0	96007
880-51174-56 MSD	T-6 (7')	Soluble	Solid	300.0	96007

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-1 (0-1')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	96059	11/19/24 09:03	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	96052	11/19/24 12:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 12:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/20/24 02:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	95837	11/15/24 14:39	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96065	11/20/24 02:16	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	95998	11/18/24 12:59	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	96024	11/19/24 00:42	CH	EET MID

Client Sample ID: T-1 (1.5')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	96059	11/19/24 09:03	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	96052	11/19/24 13:20	MNR	EET MID
Total/NA	Prep	5035			4.96 g	5 mL	96118	11/20/24 09:42	EL	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	96152	11/20/24 13:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/20/24 13:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/19/24 14:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	96009	11/18/24 15:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96104	11/19/24 14:42	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	95998	11/18/24 12:59	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	96024	11/19/24 00:49	CH	EET MID

Client Sample ID: T-1 (2)
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	96059	11/19/24 09:03	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	96052	11/19/24 13:40	MNR	EET MID
Total/NA	Prep	5035			5.02 g	5 mL	96163	11/20/24 09:49	MNR	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	96154	11/20/24 15:57	MNR	EET MID
Total/NA	Prep	5035			5.01 g	5 mL	96118	11/20/24 09:42	EL	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	96152	11/20/24 13:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/20/24 15:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/19/24 14:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	96009	11/18/24 15:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96104	11/19/24 14:57	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	95998	11/18/24 12:59	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	96024	11/19/24 00:55	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-1 (3')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	95992	11/18/24 12:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	95906	11/18/24 23:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/18/24 23:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/19/24 15:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	96009	11/18/24 15:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96104	11/19/24 15:12	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	95998	11/18/24 12:59	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	96024	11/19/24 01:02	CH	EET MID

Client Sample ID: T-1 (4')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-5
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			5.01 g	5 mL	95992	11/18/24 12:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	95906	11/18/24 23:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/18/24 23:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/19/24 15:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	96009	11/18/24 15:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96104	11/19/24 15:27	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	95998	11/18/24 12:59	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	96024	11/19/24 01:09	CH	EET MID

Client Sample ID: T-1 (5')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-6
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	96059	11/19/24 09:03	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	96052	11/19/24 14:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 14:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/19/24 15:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	96009	11/18/24 15:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96104	11/19/24 15:42	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	96005	11/18/24 14:28	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	96027	11/19/24 02:02	CH	EET MID

Client Sample ID: T-1 (6')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	95992	11/18/24 12:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	95906	11/18/24 23:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/18/24 23:51	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-1 (6')

Lab Sample ID: 880-51174-7

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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			96182	11/19/24 15:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	96009	11/18/24 15:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96104	11/19/24 15:56	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	96005	11/18/24 14:28	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	96027	11/19/24 02:22	CH	EET MID

Client Sample ID: T-1 (7')

Lab Sample ID: 880-51174-8

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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	95992	11/18/24 12:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	95906	11/19/24 00:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 00:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/19/24 16:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	96009	11/18/24 15:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96104	11/19/24 16:13	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	96005	11/18/24 14:28	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	96027	11/19/24 08:49	CH	EET MID

Client Sample ID: T-1 (8')

Lab Sample ID: 880-51174-9

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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	95992	11/18/24 12:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	95906	11/19/24 00:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 00:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/19/24 16:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	96009	11/18/24 15:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96104	11/19/24 16:28	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	96005	11/18/24 14:28	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96027	11/19/24 02:35	CH	EET MID

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

Lab Sample ID: 880-51174-10

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.23 g	5 mL	96059	11/19/24 09:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96052	11/19/24 16:35	MNR	EET MID
Total/NA	Prep	5035			5.02 g	5 mL	96118	11/20/24 09:42	EL	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	96152	11/20/24 14:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/20/24 14:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/20/24 13:58	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-2 (0-1')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	96170	11/20/24 10:46	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	96172	11/20/24 13:58	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	96005	11/18/24 14:28	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	96027	11/19/24 02:42	CH	EET MID

Client Sample ID: T-2 (1.5')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	96061	11/19/24 09:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96054	11/19/24 13:04	MNR	EET MID
Total/NA	Prep	5035			5.03 g	5 mL	96118	11/20/24 09:42	EL	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	96152	11/20/24 14:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/20/24 14:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/19/24 17:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	96009	11/18/24 15:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96104	11/19/24 17:12	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	96005	11/18/24 14:28	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	96027	11/19/24 03:02	CH	EET MID

Client Sample ID: T-2 (2')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	96059	11/19/24 09:03	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	96052	11/19/24 14:21	MNR	EET MID
Total/NA	Prep	5035			5.01 g	5 mL	96118	11/20/24 09:42	EL	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	96152	11/20/24 15:13	MNR	EET MID
Total/NA	Prep	5035			5.01 g	5 mL	96118	11/20/24 09:42	EL	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	96152	11/20/24 17:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/20/24 17:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/20/24 14:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	96170	11/20/24 10:46	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	96172	11/20/24 14:13	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	96005	11/18/24 14:28	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	96027	11/19/24 03:09	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-2 (3')

Date Collected: 11/15/24 00:00

Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	96059	11/19/24 09:03	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	96052	11/19/24 14:41	MNR	EET MID
Total/NA	Prep	5035			4.99 g	5 mL	96163	11/20/24 09:49	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	96154	11/20/24 12:47	MNR	EET MID
Total/NA	Prep	5035			4.99 g	5 mL	96163	11/20/24 09:49	MNR	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	96154	11/20/24 15:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/20/24 15:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/20/24 14:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	96170	11/20/24 10:46	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	96172	11/20/24 14:28	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	96005	11/18/24 14:28	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	96027	11/19/24 03:15	CH	EET MID

Client Sample ID: T-2 (4')

Date Collected: 11/15/24 00:00

Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	96061	11/19/24 09:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96054	11/19/24 13:25	MNR	EET MID
Total/NA	Prep	5035			5.01 g	5 mL	96163	11/20/24 09:49	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	96154	11/20/24 13:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/20/24 13:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/19/24 17:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	96009	11/18/24 15:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96104	11/19/24 17:56	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	96005	11/18/24 14:28	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	96027	11/19/24 03:22	CH	EET MID

Client Sample ID: T-2 (5')

Date Collected: 11/15/24 00:00

Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	96059	11/19/24 09:03	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	96052	11/19/24 15:02	MNR	EET MID
Total/NA	Prep	5035			5.01 g	5 mL	96233	11/21/24 08:51	MNR	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	96228	11/21/24 12:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/21/24 12:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/19/24 18:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	96009	11/18/24 15:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96104	11/19/24 18:11	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	96005	11/18/24 14:28	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	96027	11/19/24 03:29	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-2 (6')

Lab Sample ID: 880-51174-16

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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	96061	11/19/24 09:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96054	11/19/24 13:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 13:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/19/24 13:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	96009	11/18/24 15:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96104	11/19/24 13:58	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	96005	11/18/24 14:28	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	96027	11/19/24 03:35	CH	EET MID

Client Sample ID: T-2 (7')

Lab Sample ID: 880-51174-17

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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	96061	11/19/24 09:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96054	11/19/24 14:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 14:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/19/24 18:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	96009	11/18/24 15:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96104	11/19/24 18:27	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	96005	11/18/24 14:28	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96027	11/19/24 03:55	CH	EET MID

Client Sample ID: T-2 (8')

Lab Sample ID: 880-51174-18

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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	96061	11/19/24 09:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96054	11/19/24 14:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 14:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/19/24 18:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	96009	11/18/24 15:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96104	11/19/24 18:42	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	96005	11/18/24 14:28	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96027	11/19/24 04:02	CH	EET MID

Client Sample ID: T-2 (9')

Lab Sample ID: 880-51174-19

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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	96061	11/19/24 09:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96054	11/19/24 14:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 14:47	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-2 (9')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			96182	11/19/24 18:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	96009	11/18/24 15:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96104	11/19/24 18:59	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	96005	11/18/24 14:28	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96027	11/19/24 04:22	CH	EET MID

Client Sample ID: T-3 (0-1')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-20
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	96061	11/19/24 09:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96054	11/19/24 15:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 15:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/19/24 19:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	96009	11/18/24 15:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96104	11/19/24 19:13	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	96005	11/18/24 14:28	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	96027	11/19/24 04:29	CH	EET MID

Client Sample ID: T-3 (1.5')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	96014	11/18/24 15:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96055	11/19/24 11:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 11:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/19/24 19:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	96009	11/18/24 15:04	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96104	11/19/24 19:31	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	96005	11/18/24 14:28	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	96027	11/19/24 04:35	CH	EET MID

Client Sample ID: T-3 (2')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	96014	11/18/24 15:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96055	11/19/24 12:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 12:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/19/24 20:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	96010	11/18/24 15:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96067	11/19/24 20:21	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-3 (2')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-22
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			5.00 g	50 mL	96005	11/18/24 14:28	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	96027	11/19/24 04:42	CH	EET MID

Client Sample ID: T-3 (3')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	96014	11/18/24 15:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96055	11/19/24 12:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 12:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/19/24 21:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	96010	11/18/24 15:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96067	11/19/24 21:12	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	96005	11/18/24 14:28	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	96027	11/19/24 04:49	CH	EET MID

Client Sample ID: T-3 (4')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	96014	11/18/24 15:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96055	11/19/24 13:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 13:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/19/24 21:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	96010	11/18/24 15:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96067	11/19/24 21:28	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	96005	11/18/24 14:28	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	96027	11/19/24 04:55	CH	EET MID

Client Sample ID: T-3 (5')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	96014	11/18/24 15:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96055	11/19/24 13:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 13:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/19/24 21:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	96010	11/18/24 15:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96067	11/19/24 21:44	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	96005	11/18/24 14:28	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	96027	11/19/24 05:02	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-3 (6')

Lab Sample ID: 880-51174-26

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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	96014	11/18/24 15:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96055	11/19/24 13:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 13:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/19/24 22:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	96010	11/18/24 15:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96067	11/19/24 22:00	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	96006	11/18/24 14:32	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	96028	11/19/24 05:55	CH	EET MID

Client Sample ID: T-3 (7')

Lab Sample ID: 880-51174-27

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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	96014	11/18/24 15:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96055	11/19/24 14:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 14:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/19/24 22:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	96010	11/18/24 15:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96067	11/19/24 22:16	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	96006	11/18/24 14:32	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	96028	11/19/24 06:15	CH	EET MID

Client Sample ID: T-3 (8')

Lab Sample ID: 880-51174-28

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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	96014	11/18/24 15:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96055	11/19/24 14:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 14:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/19/24 22:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	96010	11/18/24 15:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96067	11/19/24 22:32	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	96006	11/18/24 14:32	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	96028	11/19/24 06:22	CH	EET MID

Client Sample ID: T-3 (9')

Lab Sample ID: 880-51174-29

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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	96014	11/18/24 15:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96055	11/19/24 14:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 14:43	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-3 (9')

Date Collected: 11/15/24 00:00

Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-29

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			96182	11/19/24 22:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	96010	11/18/24 15:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96067	11/19/24 22:47	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	96006	11/18/24 14:32	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	96028	11/19/24 06:29	CH	EET MID

Client Sample ID: T-3 (10')

Date Collected: 11/15/24 00:00

Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-30

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	96014	11/18/24 15:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96055	11/19/24 15:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 15:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/19/24 23:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	96010	11/18/24 15:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96067	11/19/24 23:03	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	96006	11/18/24 14:32	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	96028	11/19/24 06:35	CH	EET MID

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

Date Collected: 11/15/24 00:00

Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-31

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.23 g	5 mL	96014	11/18/24 15:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96055	11/19/24 16:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 16:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/19/24 23:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	96010	11/18/24 15:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96067	11/19/24 23:19	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	96006	11/18/24 14:32	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	96028	11/19/24 06:55	CH	EET MID

Client Sample ID: T-4 (1.5')

Date Collected: 11/15/24 00:00

Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-32

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.33 g	5 mL	96014	11/18/24 15:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96055	11/19/24 16:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 16:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/19/24 23:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	96010	11/18/24 15:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96067	11/19/24 23:51	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-4 (1.5')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-32
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	96006	11/18/24 14:32	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	96028	11/19/24 07:02	CH	EET MID

Client Sample ID: T-4 (2')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.76 g	5 mL	96014	11/18/24 15:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96055	11/19/24 17:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 17:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/20/24 00:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	96010	11/18/24 15:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96067	11/20/24 00:08	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	96006	11/18/24 14:32	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	96028	11/19/24 07:09	CH	EET MID

Client Sample ID: T-4 (3')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.97 g	5 mL	96014	11/18/24 15:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96055	11/19/24 17:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 17:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/20/24 00:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	96010	11/18/24 15:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96067	11/20/24 00:24	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	96006	11/18/24 14:32	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	96028	11/19/24 07:15	CH	EET MID

Client Sample ID: T-4 (4')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-35
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.59 g	5 mL	96014	11/18/24 15:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96055	11/19/24 17:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 17:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/20/24 00:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	96010	11/18/24 15:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96067	11/20/24 00:40	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	96006	11/18/24 14:32	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	96028	11/19/24 07:22	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-4 (5')

Lab Sample ID: 880-51174-36

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.98 g	5 mL	96014	11/18/24 15:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96055	11/19/24 18:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 18:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/20/24 00:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	96010	11/18/24 15:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96067	11/20/24 00:56	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	96006	11/18/24 14:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96028	11/19/24 07:29	CH	EET MID

Client Sample ID: T-4 (6')

Lab Sample ID: 880-51174-37

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.1 g	5 mL	96014	11/18/24 15:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96055	11/19/24 18:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 18:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/20/24 01:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	96010	11/18/24 15:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96067	11/20/24 01:12	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	96006	11/18/24 14:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96028	11/19/24 07:49	CH	EET MID

Client Sample ID: T-4 (7')

Lab Sample ID: 880-51174-38

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.18 g	5 mL	96014	11/18/24 15:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96055	11/19/24 18:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 18:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/20/24 01:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	96010	11/18/24 15:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96067	11/20/24 01:29	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	96006	11/18/24 14:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96028	11/19/24 07:55	CH	EET MID

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

Lab Sample ID: 880-51174-39

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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	96014	11/18/24 15:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96055	11/19/24 19:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 19:13	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-5 (0-1')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-39
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			96182	11/20/24 01:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	96010	11/18/24 15:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96067	11/20/24 01:44	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	96006	11/18/24 14:32	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	96028	11/19/24 08:15	CH	EET MID

Client Sample ID: T-5 (1.5')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-40
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	96014	11/18/24 15:20	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96055	11/19/24 19:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 19:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/20/24 02:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	96010	11/18/24 15:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96067	11/20/24 02:01	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	96006	11/18/24 14:32	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	96028	11/19/24 08:22	CH	EET MID

Client Sample ID: T-5 (2')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-41
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	96015	11/19/24 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96053	11/19/24 12:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 12:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/20/24 02:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	96010	11/18/24 15:07	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96067	11/20/24 02:16	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	96006	11/18/24 14:32	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	96028	11/19/24 08:29	CH	EET MID

Client Sample ID: T-5 (3')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-42
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	96015	11/19/24 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96053	11/19/24 13:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 13:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/20/24 11:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	96011	11/18/24 15:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96174	11/20/24 11:33	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-5 (3')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-42
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	96006	11/18/24 14:32	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	96028	11/19/24 08:35	CH	EET MID

Client Sample ID: T-5 (4')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-43
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	96015	11/19/24 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96053	11/19/24 13:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 13:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/20/24 12:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	96011	11/18/24 15:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96174	11/20/24 12:46	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	96006	11/18/24 14:32	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	96028	11/19/24 08:42	CH	EET MID

Client Sample ID: T-5 (5')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-44
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	96015	11/19/24 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96053	11/19/24 14:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 14:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/20/24 13:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	96011	11/18/24 15:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96174	11/20/24 13:00	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	96006	11/18/24 14:32	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96028	11/19/24 09:09	CH	EET MID

Client Sample ID: T-5 (6')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-45
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	96015	11/19/24 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96053	11/19/24 14:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 14:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/20/24 13:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	96011	11/18/24 15:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96174	11/20/24 13:14	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	96006	11/18/24 14:32	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	96028	11/19/24 09:15	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-5 (7')

Lab Sample ID: 880-51174-46

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.23 g	5 mL	96015	11/19/24 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96053	11/19/24 18:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 18:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/20/24 13:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	96011	11/18/24 15:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96174	11/20/24 13:29	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	96007	11/18/24 14:34	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	96029	11/19/24 10:09	CH	EET MID

Client Sample ID: T-5 (8')

Lab Sample ID: 880-51174-47

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.33 g	5 mL	96015	11/19/24 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96053	11/19/24 18:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 18:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/20/24 13:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	96011	11/18/24 15:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96174	11/20/24 13:43	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	96007	11/18/24 14:34	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96029	11/19/24 10:29	CH	EET MID

Client Sample ID: T-5 (9')

Lab Sample ID: 880-51174-48

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.76 g	5 mL	96015	11/19/24 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96053	11/19/24 18:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 18:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/20/24 13:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	96011	11/18/24 15:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96174	11/20/24 13:58	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	96007	11/18/24 14:34	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96029	11/19/24 10:35	CH	EET MID

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

Lab Sample ID: 880-51174-49

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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	96015	11/19/24 09:00	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	96053	11/19/24 14:45	MNR	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-6 (0-1')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-49
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	96163	11/20/24 09:49	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	96154	11/20/24 13:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/20/24 13:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/20/24 14:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	96011	11/18/24 15:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96174	11/20/24 14:13	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	96007	11/18/24 14:34	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	96029	11/19/24 10:42	CH	EET MID

Client Sample ID: T-6 (1.5')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-50
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	96015	11/19/24 09:00	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	96053	11/19/24 15:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 15:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/20/24 14:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	96011	11/18/24 15:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96174	11/20/24 14:28	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	96007	11/18/24 14:34	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	96029	11/19/24 10:49	CH	EET MID

Client Sample ID: T-6 (2')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-51
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			7.23 g	5 mL	96057	11/19/24 08:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96051	11/19/24 16:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 16:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/20/24 14:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	96011	11/18/24 15:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96174	11/20/24 14:44	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	96007	11/18/24 14:34	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	96029	11/19/24 11:09	CH	EET MID

Client Sample ID: T-6 (3')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-52
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	96163	11/20/24 09:49	MNR	EET MID
Total/NA	Analysis	8021B		200	5 mL	5 mL	96154	11/20/24 13:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/20/24 13:48	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-6 (3')

Lab Sample ID: 880-51174-52

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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			96182	11/20/24 15:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	96011	11/18/24 15:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96174	11/20/24 15:14	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	96007	11/18/24 14:34	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	96029	11/19/24 11:15	CH	EET MID

Client Sample ID: T-6 (4')

Lab Sample ID: 880-51174-53

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

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	96163	11/20/24 09:49	MNR	EET MID
Total/NA	Analysis	8021B		200	5 mL	5 mL	96154	11/20/24 14:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/20/24 14:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/21/24 14:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	96192	11/20/24 13:57	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96260	11/21/24 14:15	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	96007	11/18/24 14:34	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	96029	11/19/24 11:22	CH	EET MID

Client Sample ID: T-6 (5')

Lab Sample ID: 880-51174-54

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.97 g	5 mL	96057	11/19/24 08:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96051	11/19/24 16:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 16:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/20/24 16:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	96011	11/18/24 15:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96174	11/20/24 16:59	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	96007	11/18/24 14:34	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	96029	11/19/24 11:29	CH	EET MID

Client Sample ID: T-6 (6')

Lab Sample ID: 880-51174-55

Date Collected: 11/15/24 00:00

Matrix: Solid

Date Received: 11/18/24 11:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.59 g	5 mL	96057	11/19/24 08:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96051	11/19/24 16:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 16:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/20/24 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	96011	11/18/24 15:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96174	11/20/24 17:14	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Client Sample ID: T-6 (6')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-55
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	96007	11/18/24 14:34	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	96029	11/19/24 11:35	CH	EET MID

Client Sample ID: T-6 (7')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-56
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			6.98 g	5 mL	96057	11/19/24 08:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96051	11/19/24 17:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 17:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/20/24 17:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	96011	11/18/24 15:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96174	11/20/24 17:29	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	96007	11/18/24 14:34	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	96029	11/19/24 11:42	CH	EET MID

Client Sample ID: T-6 (8')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-57
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			7.1 g	5 mL	96057	11/19/24 08:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96051	11/19/24 17:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 17:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/20/24 17:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	96011	11/18/24 15:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96174	11/20/24 17:43	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	96007	11/18/24 14:34	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	96029	11/19/24 12:02	CH	EET MID

Client Sample ID: T-6 (9')
Date Collected: 11/15/24 00:00
Date Received: 11/18/24 11:30

Lab Sample ID: 880-51174-58
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			7.18 g	5 mL	96057	11/19/24 08:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96051	11/19/24 17:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96114	11/19/24 17:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			96182	11/20/24 17:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	96011	11/18/24 15:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96174	11/20/24 17:58	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	96007	11/18/24 14:34	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	96029	11/19/24 12:09	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

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

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-51174-1	T-1 (0-1')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-2	T-1 (1.5')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-3	T-1 (2')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-4	T-1 (3')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-5	T-1 (4')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-6	T-1 (5')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-7	T-1 (6')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-8	T-1 (7')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-9	T-1 (8')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-10	T-2 (0-1')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-11	T-2 (1.5')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-12	T-2 (2')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-13	T-2 (3')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-14	T-2 (4')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-15	T-2 (5')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-16	T-2 (6')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-17	T-2 (7')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-18	T-2 (8')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-19	T-2 (9')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-20	T-3 (0-1')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-21	T-3 (1.5')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-22	T-3 (2')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-23	T-3 (3')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-24	T-3 (4')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-25	T-3 (5')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-26	T-3 (6')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-27	T-3 (7')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-28	T-3 (8')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-29	T-3 (9')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-30	T-3 (10')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-31	T-4 (0-1')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-32	T-4 (1.5')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-33	T-4 (2')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-34	T-4 (3')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-35	T-4 (4')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-36	T-4 (5')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-37	T-4 (6')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-38	T-4 (7')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-39	T-5 (0-1')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-40	T-5 (1.5')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-41	T-5 (2')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-42	T-5 (3')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-43	T-5 (4')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-44	T-5 (5')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-45	T-5 (6')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-46	T-5 (7')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-47	T-5 (8')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-48	T-5 (9')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-49	T-6 (0-1')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-50	T-6 (1.5')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-51	T-6 (2')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-52	T-6 (3')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-53	T-6 (4')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-54	T-6 (5')	Solid	11/15/24 00:00	11/18/24 11:30

Sample Summary

Client: Carmona Resources
Project/Site: Lusk Deep 19 SWD

Job ID: 880-51174-1
SDG: 2540 Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-51174-55	T-6 (6')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-56	T-6 (7')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-57	T-6 (8')	Solid	11/15/24 00:00	11/18/24 11:30
880-51174-58	T-6 (9')	Solid	11/15/24 00:00	11/18/24 11:30

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

Chain of Custody



880-51174 Chain of Custody

Page 1 of 6

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

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

ANALYSIS REQUEST										Preservative Codes		
Project Name:	Lusk Deep 19 SWD	Turn Around	Pres. Code							None: NO	DI Water: H ₂ O	
Project Number:	2540	☐ Routine ☒ Rush								Cool: Cool	MeOH: Me	
Project Location	Lea County, New Mexico	Due Date:	72 HR <th colspan="6"></th> <th>HCL: HC</th> <th>HNO₃: HN</th>							HCL: HC	HNO ₃ : HN	
Sampler's Name:	JM									H ₂ SO ₄ : H ₂	NaOH: Na	
PO #:										H ₃ PO ₄ : HP		
SAMPLE RECEIPT		Temp Blank:	Yes No	Wet Ice:	Yes No						NaHSO ₄ : NABIS	
Received Intact:	Yes No	Thermometer ID:									Na ₂ S ₂ O ₃ : NaSO ₃	
Cooler Custody Seals:	Yes No N/A	Correction Factor:									Zn Acetate+NaOH: Zn	
Sample Custody Seals:	Yes No N/A	Temperature Reading:									NaOH+Ascorbic Acid: SAPC	
Total Containers:		Corrected Temperature:										

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters						Sample Comments
T-1 (0-1')	11/15/2024		X		G	1	BTX 8021B						
T-1 (1.5')	11/15/2024		X		G	1	TPH 8015M (GRO + DRO + MRO)						
T-1 (2')	11/15/2024		X		G	1	Chloride 300.0						
T-1 (3')	11/15/2024		X		G	1							
T-1 (4')	11/15/2024		X		G	1							
T-1 (5')	11/15/2024		X		G	1							
T-1 (6')	11/15/2024		X		G	1							
T-1 (7')	11/15/2024		X		G	1							
T-1 (8')	11/15/2024		X		G	1							
T-2 (0-1')	11/15/2024		X		G	1							

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	11/18/24 04:25		11/18/24 11:30

Chain of Custody

Work Order No: 174Page 2 of 6

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

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

ANALYSIS REQUEST										Preservative Codes				
Project Name:	Lusk Deep 19 SWD	Turn Around	Pras. Code							None: NO	DI Water: H ₂ O			
Project Number:	2540	☐ Routine ☒ Rush								Cool: Cool	MeOH: Me			
Project Location:	Lea County, New Mexico	Due Date:								HCL: HC	HNO ₃ : HN			
Sampler's Name:	JM									H ₂ SO ₄ : H ₂	NaOH: Na			
PO #:										H ₃ PO ₄ : HP				
SAMPLE RECEIPT		Temp Blank:	Yes	No	Wet Ice:	Yes	No				NaHSO ₄ : NABIS			
Received Intact:		Yes	No	Thermometer ID:							Na ₂ S ₂ O ₃ : NaSO ₃			
Cooler Custody Seals:		Yes	No	N/A	Correction Factor:							Zn Acetate+NaOH: Zn		
Sample Custody Seals:		Yes	No	N/A	Temperature Reading:							NaOH+Ascorbic Acid: SAPC		
Total Containers:														
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters		BTX 8021B		TPH 8015M (GRO + DRO + MRO)		Chloride 300.0	
T-2 (1.5')	11/15/2024		X		G	1			X	X	X	X		
T-2 (2')	11/15/2024		X		G	1			X	X	X	X		
T-2 (3')	11/15/2024		X		G	1			X	X	X	X		
T-2 (4')	11/15/2024		X		G	1			X	X	X	X		
T-2 (5')	11/15/2024		X		G	1			X	X	X	X		
T-2 (6')	11/15/2024		X		G	1			X	X	X	X		
T-2 (7')	11/15/2024		X		G	1			X	X	X	X		
T-2 (8')	11/15/2024		X		G	1			X	X	X	X		
T-2 (9')	11/15/2024		X		G	1			X	X	X	X		
T-3 (0-1')	11/15/2024		X		G	1			X	X	X	X		

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	11/18/24 @ 11:25		11/18/24 11:30

Chain of Custody

Work Order No: 174

Page 3 of 6

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

Project Name: Lusk Deep 19 SWD		Turn Around		Pres. Code	
Project Number: 2540		☐ Routine ☒ Rush			
Project Location: Lea County, New Mexico		Due Date: 72 HR			
Sampler's Name: JM					
PO #:					

SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No	
Received Intact:		Yes No		Thermometer ID:					
Cooler Custody Seals:		Yes No N/A		Correction Factor:					
Sample Custody Seals:		Yes No N/A		Temperature Reading:					
Total Containers:				Corrected Temperature:					

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes
T-3 (1.5')	11/15/2024		X		G	1	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 300.0		None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
T-3 (2')	11/15/2024		X		G	1			
T-3 (3')	11/15/2024		X		G	1			
T-3 (4')	11/15/2024		X		G	1			
T-3 (5')	11/15/2024		X		G	1			
T-3 (6')	11/15/2024		X		G	1			
T-3 (7')	11/15/2024		X		G	1			
T-3 (8')	11/15/2024		X		G	1			
T-3 (9')	11/15/2024		X		G	1			
T-3 (10')	11/15/2024		X		G	1			

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

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
<i>Mike Carmona</i>		11/15/2024 11:25		<i>Conner Moehring</i>		11/18/2024 11:30	

Chain of Custody

Work Order No: 174Page 4 of 6

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

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

ANALYSIS REQUEST										Preservative Codes		
Project Name:	Lusk Deep 19 SWD	Turn Around	Proa. Code							None: NO	DI Water: H ₂ O	
Project Number:	2540	☐ Routine ☒ Rush								Cool: Cool	MeOH: Me	
Project Location	Lea County, New Mexico	Due Date:								HCL: HC	HNO ₃ : HN	
Sampler's Name:	JM									H ₂ SO ₄ : H ₂	NaOH: Na	
PO #:										H ₃ PO ₄ : HP		
SAMPLE RECEIPT		Temp Blank:	Yes	No	Wet Ice:	Yes	No				NaHSO ₄ : NABIS	
Received Intact		Yes	No	Thermometer ID:							Na ₂ S ₂ O ₃ : NaSO ₃	
Cooler Custody Seals:		Yes	No	N/A	Correction Factor:							Zn Acetate+NaOH: Zn
Sample Custody Seals:		Yes	No	N/A	Temperature Reading:							NaOH+Ascorbic Acid: SAPC
Total Containers:												
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont						Sample Comments
T-4 (0-1')	11/15/2024		X		G	1	X	X	X	X		
T-4 (1.5')	11/15/2024		X		G	1	X	X	X	X		
T-4 (2')	11/15/2024		X		G	1	X	X	X	X		
T-4 (3')	11/15/2024		X		G	1	X	X	X	X		
T-4 (4')	11/15/2024		X		G	1	X	X	X	X		
T-4 (5')	11/15/2024		X		G	1	X	X	X	X		
T-4 (6')	11/15/2024		X		G	1	X	X	X	X		
T-4 (7')	11/15/2024		X		G	1	X	X	X	X		
T-5 (0-1')	11/15/2024		X		G	1	X	X	X	X		
T-5 (1.5')	11/15/2024		X		G	1	X	X	X	X		

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Luan Pramos</i>	11/18/24 @ 11:25	<i>[Signature]</i>	11/18/24

Chain of Custody

Work Order No:

Page 5 of 6

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

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

Project Name:		Lusk Deep 19 SWD		Turn Around		ANALYSIS REQUEST										Preservative Codes													
Project Number:		2540		☐ Routine ☒ Rush												None: NO DI Water: H ₂ O													
Project Location		Lea County, New Mexico		Due Date: 72 HR												Cool: Cool MeOH: Me													
Sampler's Name:		JM														HCL: HC HNO ₃ : HN													
PO #:																H ₂ SO ₄ : H ₂ NaOH: Na													
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No												H ₃ PO ₄ : HP									
Received Intact:		Yes No		Thermometer ID:																NaHSO ₄ : NABIS									
Cooler Custody Seals:		Yes No N/A		Correction Factor:																Na ₂ S ₂ O ₃ : NaSO ₃									
Sample Custody Seals:		Yes No N/A		Temperature Reading:																Zn Acetate+NaOH: Zn									
Total Containers:				Corrected Temperature:																NaOH+Ascorbic Acid: SAPC									
Sample Identification		Date		Time		Soil		Water		Grab/ Comp		# of Cont												Sample Comments					
T-5 (2')		11/15/2024				X				G		1		X		X													
T-5 (3')		11/15/2024				X				G		1		X		X													
T-5 (4')		11/15/2024				X				G		1		X		X													
T-5 (5')		11/15/2024				X				G		1		X		X													
T-5 (6')		11/15/2024				X				G		1		X		X													
T-5 (7')		11/15/2024				X				G		1		X		X													
T-5 (8')		11/15/2024				X				G		1		X		X													
T-5 (9')		11/15/2024				X				G		1		X		X													
T-6 (0-1')		11/15/2024				X				G		1		X		X													
T-6 (1.5')		11/15/2024				X				G		1		X		X													

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	11/18/24 11:25		11/18/24 11:25

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

Chain of Custody

Work Order No: 174Page 6 of 6

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

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

ANALYSIS REQUEST										Preservative Codes	
Project Name:	Project Number:	Project Location	Sampler's Name:	PO #:	Turn Around			Parameters	# of Cont	Sample Comments	
					☐ Routine	☒ Rush	Due Date:				
Lusk Deep 19 SWD	2540	Lea County, New Mexico	JM								
SAMPLE RECEIPT Received Intact: Yes No Cooler Custody Seals: Yes No N/A Sample Custody Seals: Yes No N/A Total Containers:					Temp Blank: Yes No Thermometer ID: Correction Factor: Temperature Reading: Corrected Temperature:			None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC			
Sample Identification	Date	Time	Soil	Water	Grab/Comp	BTX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 300.0					
T-6 (2')	11/15/2024		X		G	X	X	X			
T-6 (3')	11/15/2024		X		G	X	X	X			
T-6 (4')	11/15/2024		X		G	X	X	X			
T-6 (5')	11/15/2024		X		G	X	X	X			
T-6 (6')	11/15/2024		X		G	X	X	X			
T-6 (7')	11/15/2024		X		G	X	X	X			
T-6 (8')	11/15/2024		X		G	X	X	X			
T-6 (9')	11/15/2024		X		G	X	X	X			

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Iran Zamani</i>	11/18/24 01:25	<i>[Signature]</i>	11/18 11:30

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-51174-1

SDG Number: 2540 Lea County, New Mexico

Login Number: 51174

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

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

APPENDIX F

CARMONA RESOURCES



Soil Map—Lea County, New Mexico



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

4/2/2025
Page 1 of 3

Soil Map—Lea County, New Mexico

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 21, Sep 3, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
PU	Pyote and Maljamar fine sands	0.4	100.0%
Totals for Area of Interest		0.4	100.0%

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

Lea County, New Mexico

PU—Pyote and Maljamar fine sands

Map Unit Setting

National map unit symbol: dmqq

Elevation: 3,000 to 3,900 feet

Mean annual precipitation: 10 to 12 inches

Mean annual air temperature: 60 to 62 degrees F

Frost-free period: 190 to 205 days

Farmland classification: Not prime farmland

Map Unit Composition

Pyote and similar soils: 46 percent

Maljamar and similar soils: 44 percent

Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pyote

Setting

Landform: Plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 30 inches: fine sand

Bt - 30 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Negligible

Capacity of the most limiting layer to transmit water (Ksat): High
(2.00 to 6.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Gypsum, maximum content: 1 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Low (about 5.1 inches)

Interpretive groups

Land capability classification (irrigated): 6e

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: A
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Description of Maljamar

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 24 inches: fine sand
Bt - 24 to 50 inches: sandy clay loam
Bkm - 50 to 60 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 40 to 60 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 5.6 inches)

Interpretive groups

Land capability classification (irrigated): 6e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Kermit

Percent of map unit: 10 percent
Ecological site: R070BC022NM - Sandhills

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 21, Sep 3, 2024

(28)

BLM SERIAL #:

COMPANY REFERENCE:

3.3 Seed Mixture 2, for Sandy Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law (s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed* per acre:

<u>Species</u>	<u>lb/acre</u>
Sand dropseed (<i>Sporobolus cryptandrus</i>)	1.0
Sand love grass (<i>Eragrostis trichodes</i>)	1.0
Plains bristlegrass (<i>Setaria macrostachya</i>)	2.0

*Pounds of pure live seed: Pounds of seed x percent purity x percent germination = pounds pure live seed

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 456666

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 456666
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2427632313
Incident Name	NAPP2427632313 LUSK DEEP UNIT A #19H @ 30-025-35244
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received
Incident Well	[30-025-35244] LUSK DEEP UNIT A #019

Location of Release Source	
Please answer all the questions in this group.	
Site Name	LUSK DEEP UNIT A #19H
Date Release Discovered	10/01/2024
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Other Valve Produced Water Released: 141 BBL (Unknown Released Amount) Recovered: 120 BBL Lost: 21 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 2

Action 456666

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 456666
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 04/29/2025
--	---

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 3

Action 456666

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 456666
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	13000
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	20500
GRO+DRO (EPA SW-846 Method 8015M)	20500
BTEX (EPA SW-846 Method 8021B or 8260B)	783
Benzene (EPA SW-846 Method 8021B or 8260B)	16.9
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	06/02/2025
On what date will (or did) the final sampling or liner inspection occur	06/20/2025
On what date will (or was) the remediation complete(d)	06/18/2025
What is the estimated surface area (in square feet) that will be reclaimed	5463
What is the estimated volume (in cubic yards) that will be reclaimed	1072
What is the estimated surface area (in square feet) that will be remediated	11956
What is the estimated volume (in cubic yards) that will be remediated	2240
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 4

Action 456666

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 456666
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LUSK DEEP UNIT A #17 BATTERY [fAPP2204035516]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 04/29/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 5

Action 456666

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 456666
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 6

Action 456666

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 456666
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 456666

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 456666
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation plan approved with the following conditions: 1) Variance to collect all confirmation samples every 400 ft2 is denied. Five-point composite confirmation samples may be collected from the floor of the excavations representing no more than 400 ft2 and from the sidewalls no more than every 200 ft2. Samples must be tested for all Table I constituents. 2) Under the Site Characterization portion of the C-141 application update the minimum distances to the following upon next submittal: any other significant watercourse (1000 ft-1/2 mile to E is an aqueduct). Submit remediation closure report to the OCD by 8/4/25.	5/6/2025