

### SITE INFORMATION

Work Plan
Deep Elem 4 Fed Com CTB Lay Flat Line Strike
Eddy County, New Mexico
Incident ID: nAPP2321953140
Unit B Sec 09 T26S R31E
32.064651°, -103.783362°

Reuse Water Release
Point of Release: 12" Lay Flat Line Strike

**Release Date: 07/30/23** 

Volume Released: 100 Barrels of Reuse Water Volume Recovered: 0 Barrels of Reuse Water

# CARMONA RESOURCES

Prepared for: EOG Resources, Inc 5509 Champions Dr. Midland, TX 79706

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



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November 6, 2023

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

Re: Work Plan

Deep Elem 4 Fed Com CTB Lay Flat Line Strike

**EOG Resources, Inc** 

**Incident ID: nAPP2321953140** 

Site Location: Unit B, S09, T26S, R31E (Lat 32.064651°, Long -103.783362°)

**Eddy County, New Mexico** 

Mr. Bratcher:

On behalf of EOG Resources, Inc. (EOG), Carmona Resources, LLC has prepared this letter to document site activities for the Deep Elem 4 Fed Com CTB Lay Flat Line Strike. The site is located at 32.064651°, -103.783362° within Unit B, S09, T26S, R31E, in Eddy County, New Mexico (Figures 1 and 2).

### 1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on July 30, 2023, caused by a wireline truck striking and rupturing a 12" lay flat line. The incident released one hundred (100) barrels of reuse water, with zero (0) barrels recovered. Refer to Figure 3. The initial C-141 form is attached in Appendix C.

### 2.0 Site Characterization and Groundwater

The site is located within a medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The nearest identified well is located approximately .65 miles southeast of the site in S10, T26S, R31E, and was drilled in 1998. The well has a reported depth to groundwater of 275.49' below ground surface (ft bgs). A copy of the associated Summary report is attached in Appendix D.

On August 11, 2023, Carmona Resources, LLC requested a groundwater variance to utilize the above-referenced water well for closure criteria purposes. The variance request was approved on August 14, 2023. A copy of the correspondence is attached in Appendix D.

### 3.0 NMAC Regulatory Criteria

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

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• 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: 20,000 mg/kg.

### 4.0 Site Assessment Activities

### **Initial Assessment**

On August 7, 2023, Carmona Resources, LLC was onsite to perform an initial assessment to evaluate soil impacts stemming from the release. A total of eighteen (18) sample points (S-1 through S-18) and eight (8) horizontal samples (H-1 through H-8) were advanced to depths ranging from the surface to 3' bgs within and surrounding the release to assess the vertical and horizontal extent. 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 not achieved during the initial assessment due to a dense, cemented geological formation ranging from 0.5-3 ft bgs in various release areas. Refer to Table 1.

### Horizontal Delineation

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

### Trenching Activities

On September 26, 2023, Carmona Resources, LLC returned to the site to delineate the release vertically. A total of eighteen (18) trenches (T-1 through T-18) were advanced to depths ranging from the surface to 6' 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 Cardinal Laboratories in Hobbs, New Mexico. 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 4500. The laboratory reports, including analytical methods, results, and chain of custody documents, are attached in Appendix E.

See Table 2 for the analytical results.

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### Vertical Delineation

All trench locations were vertically delineated and below regulatory limits for benzene, total BTEX, TPH, and chloride concentrations. Refer to Table 2.

### 5.0 Proposed Work Plan

Based on the analytical data of the detected chloride concentrations, EOG proposes to remediate the areas shown in Figure 4 and highlighted (blue) in Table 2.

- ➤ The areas of T-1 and T-10 will be excavated to a depth of 1.5' below the surface and backfilled with clean material to surface grade.
- ➤ The areas of T-2, T-4, and T-7 will be excavated to a depth of 2.0' below the surface and backfilled with clean material to surface grade.
- ➤ The areas of T-3 and T-11 will be excavated to a depth of 2.5' below the surface and backfilled with clean material to surface grade.
- The areas of T-5, T-6, T-12, T-14, and T-18 will be excavated to a depth of 3.0' below the surface and backfilled with clean material to surface grade.
- The area of T-16 will be excavated to a depth of 3.5' below the surface and backfilled with clean material to surface grade.
- The area of T-9 will be excavated to a depth of 4.0' below the surface and backfilled with clean material to surface grade.
- ➤ The areas of T-8, T-13, T-15, and T-17 will be excavated to a depth of 4.5' below the surface and backfilled with clean material to surface grade.
- An estimated 10,527 cubic yards will be removed and hauled to the nearest disposal based on the maximum depth.
- A variance is requested per 19.15.29.14. A NMAC, Five-point composite bottom floor hole, and sidewall samples will be collected every 500 square feet to represent the release area.
- ➤ Once the site activities and excavation are complete, the areas will be backfilled with clean material to surface grade. The remediation will be implemented 90 days after the work plan is approved.
- Impacted soil around oil and gas equipment, structures, or lines may not be removed during remediation activities due to safety concerns for the onsite personnel. However, EOG Resources will excavate the impacted soil to the maximum extent possible.

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### **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 get in touch with us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

Mike Carmona

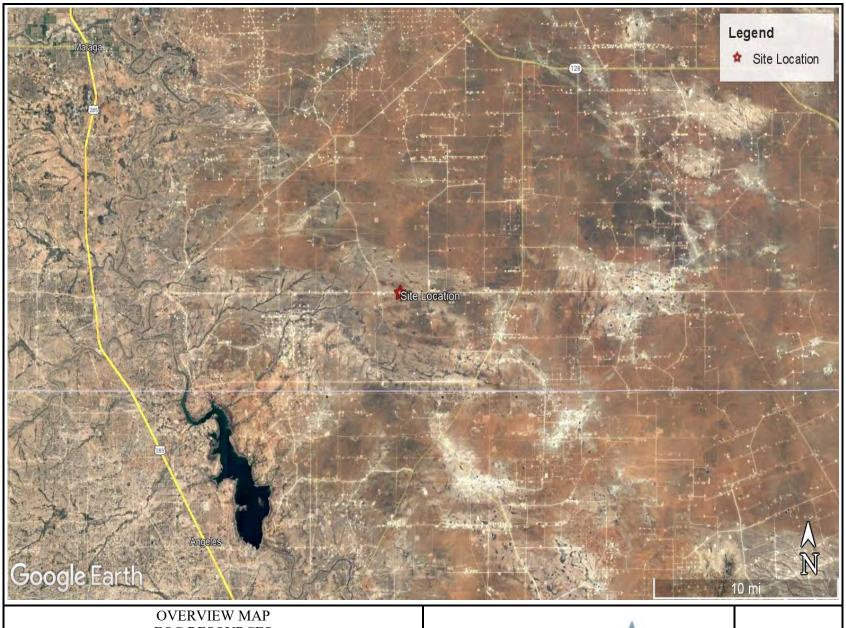
Environmental Manager

Devin Dominguez Sr. Project Manager

> 310 West Wall Street, Suite 500 Midland, Texas 79701

# **FIGURES**

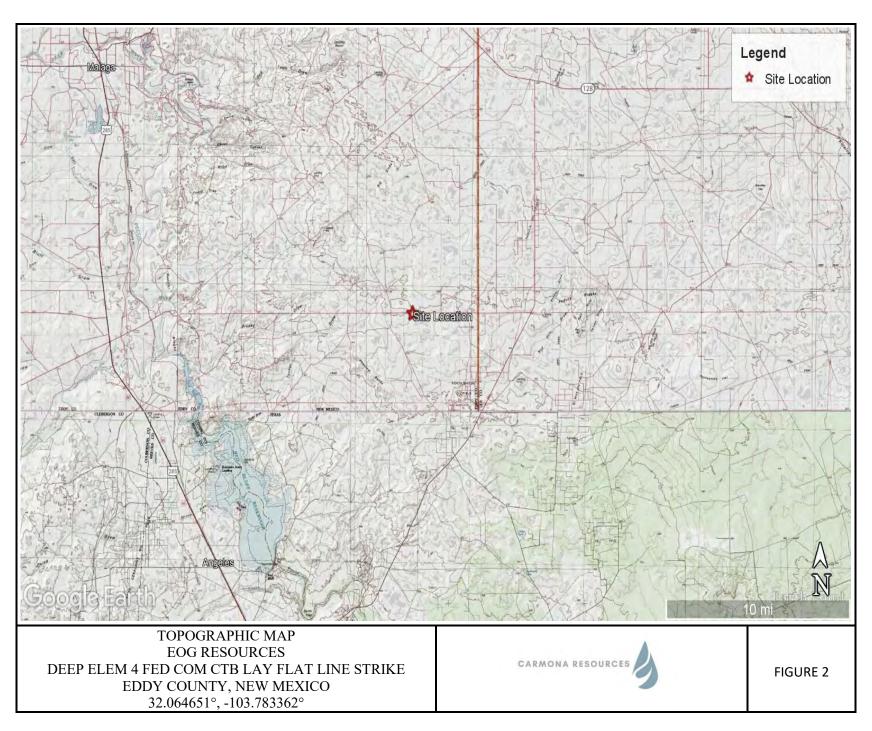
# CARMONA RESOURCES

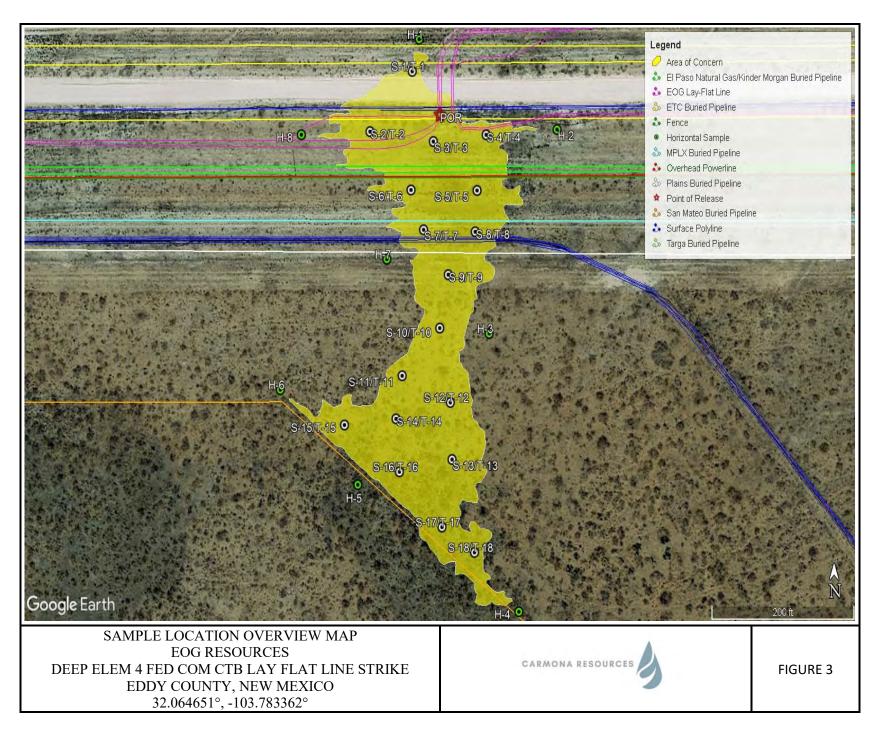


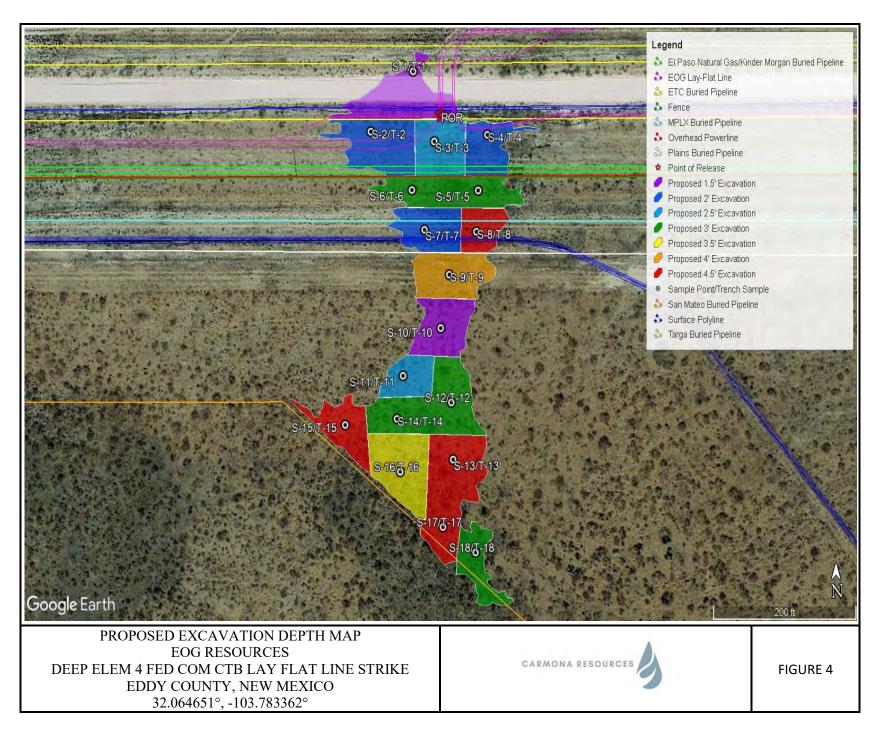
EOG RESOURCES
DEEP ELEM 4 FED COM CTB LAY FLAT LINE STRIKE
EDDY COUNTY, NEW MEXICO
32.064651°, -103.783362°

CARMONA RESOURCES

FIGURE 1







# **APPENDIX A**



Table 1

EOG Resources

Deep Elem 4 Fed Com CTB Lay Flat Line Strike
Eddy County, New Mexico

				TPF	l (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Chloride (mg/kg)
S-1	8/7/2023	0-1.0	<49.6	73.2	<49.6	73.2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	4,400
S-2	8/7/2023	0-1.0	<50.4	97.5	<50.4	97.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,170
S-3	8/7/2023	0-1.0	<50.2	74.8	<50.2	74.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	6,130
S-4	8/7/2023	0-1.0	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	3,010
S-5	8/7/2023	0-1.0	<49.6	63.7	<49.6	63.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5,550
S-6	8/7/2023	0-1.0	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	6,250
S-7	8/7/2023	0-1.0	<49.5	64.2	<49.5	64.2	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	4,640
S-8	8/7/2023	0-1.0	<50.0	55.6	<50.0	55.6	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	4,760
S-9	8/7/2023	0-1.0	<50.3	<50.3	<50.3	<50.3	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	2,930
S-10	8/7/2023	0-0.5	<50.1	58.5	<50.1	58.5	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	6,350
S-11	8/7/2023	0-0.5	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	5,570
S-12	8/7/2023	0-1.0	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	9,850
	8/7/2023	0-1.0	<50.4	<50.4	<50.4	<50.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	4,690
S-13	"	1.5	<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	4,890
	"	2.0	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	4,840
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	1,450
S-14	8/7/2023	0-1.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	4,490
	8/7/2023	0-1.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	3,870
S-15	"	1.5	<50.3	<50.3	<50.3	<50.3	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	4,660
0.0	"	2.0	<50.4	<50.4	<50.4	<50.4	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	4,670
	"	3.0	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	3,710
	8/7/2023	0-1	<50.4	<50.4	<50.4	<50.4	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	5,090
S-16	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	5,820
	"	2.0	<49.6	<49.6	<49.6	<49.6	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	6,920
	8/7/2023	0-1.0	<50.2	<50.2	<50.2	<50.2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	5,310
S-17	"	1.5	<50.4	<50.4	<50.4	<50.4	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	4,870
	"	2.0	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	4,190
	8/7/2023	0-1.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	3,430
S-18	0///2023	1.5	<50.1	<49.9 <50.1	<50.1	<49.9 <50.1	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	571
0.0	"	2.0	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	803
Regulator	ry Criteria <sup>A</sup>	2.0	-	mg/kg		2,500 mg/kg	10 mg/kg	0.00202	-0.00202	0.00104	50 mg/kg	20,000 mg/kg
	Analyzed					, <u>.</u>						.,

A – Table 1 - 19.15.29 NMAC mg/kg - milligram per kilogram TPH- Total Petroleum Hydrocarbons

ft-feet (S) Sample Point

Proposed Excavation

Table 1
EOG Resources
Deep Elem 4 Fed Com CTB Lay Flat Line Strike
Eddy County, New Mexico

0 1 15		<b>D</b> (1 (6)		TPH	l (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Chloride (mg/kg)
H-1	8/7/2023	0-0.5	<50.2	64.4	<50.2	64.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	54.1
H-2	8/7/2023	0-0.5	<50.1	<50.1	<50.1	<50.1	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	36.9
H-3	8/7/2023	0-0.5	<49.6	<49.6	<49.6	<49.6	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	48.2
H-4	8/7/2023	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	47.1
H-5	8/7/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	46.1
H-6	8/7/2023	0-0.5	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	36.7
H-7	8/7/2023	0-0.5	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	36.8
H-8	8/7/2023	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	51.7
Regulato	ry Criteria <sup>A</sup>		1,000	mg/kg		2,500 mg/kg	10 mg/kg				50 mg/kg	20,000 mg/kg

(-) Not Analyzed

A – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH- Total Petroleum Hydrocarbons
ft-feet
(H) Horizontal Sample

Table 2
EOG Resources
Deep Elem 4 Fed Com CTB Lay Flat Line Strike
Eddy County, New Mexico

				TPH	l (mg/kg)		Benzene	Toluene	Ethlybenzene	Xvlene	Total BTEX	Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
	9/26/2023	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	608
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	< 0.300	32.0
T-1	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
	"	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
	"	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
	9/26/2023	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	560
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,280
T-2	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
	"	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	< 0.300	176
	"	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
	9/26/2023	0-1	<10.0	146	34.6	180.6	<0.050	<0.050	<0.050	<0.150	<0.300	28,000
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,440
T-3	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	864
	"	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
	9/26/2023	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	15,800
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,840
T-4	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	384
	"	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
	9/26/2023	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,040
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,560
T-5	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,120
	"	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
	"	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
	9/26/2023	0-1	<10.0	93.4	33.5	126.9	<0.050	<0.050	<0.050	<0.150	<0.300	5,440
	9/20/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,720
T-6	-	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,570
		3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	0/06/0000											
	9/26/2023	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,000
		1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,170
T-7		2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	464
		3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
		4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	368
	ry Criteria A Analyzed		1,000	mg/kg		2,500 mg/kg	10 mg/kg				50 mg/kg	20,000 mg/kg

(-) Not Analyzed

A – Table 1 - 19.15.29 NMAC mg/kg - milligram per kilogram TPH- Total Petroleum Hydrocarbons ft-feet

(T) Trench Sample

Proposed Excavation

Table 2
EOG Resources
Deep Elem 4 Fed Com CTB Lay Flat Line Strike
Eddy County, New Mexico

Cample ID	Date	Depth (ft)		TPH	l (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	Chloride
Sample ID	Date	Deptii (it)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
	9/26/2023	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,840
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,200
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,400
T-8	"	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	448
	"	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	704
	"	5.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
	"	5.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
	9/26/2023	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	7,860
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,880
T-9	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,080
	"	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	640
	"	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	9/26/2023	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	20,800
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
T-10	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
	"	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	< 0.300	64.0
	"	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
T-11	9/26/2023	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,480
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,800
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,440
	"	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
	"	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	9/26/2023	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	12,000
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,130
T-12	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,070
	"	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	"	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	9/26/2023	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,360
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,960
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,560
T-13	"	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,920
	"	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,920
	"	5.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
	"	6.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	9/26/2023	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,960
T-14	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,840
		2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	640
		3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
		4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
Regulato	ory Criteria <sup>A</sup>	0	1,000		.0.0	2,500 mg/kg	10 mg/kg	5.000	5.000	3.100	50 mg/kg	20,000 mg/kg
	Analyzed										5/13	

(-) Not Analyzed A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram
TPH- Total Petroleum Hydrocarbons

ft-feet
(T) Trench Sample
Proposed Excavation

Table 2 **EOG** Resources Deep Elem 4 Fed Com CTB Lay Flat Line Strike **Eddy County, New Mexico** 

0 1 15		Devil (f0)		TPH	l (mg/kg)				Ethlybenzene	Xylene	Total BTEX	( Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
	9/26/2023	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
T-15	"	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,200
	"	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,000
	11	5.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,360
	"	6.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	704
	9/26/2023	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,330
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,930
T-16	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,060
	"	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,000
	"	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
	9/26/2023	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	624
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,280
T-17	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,680
1-17	"	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,600
	11	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,380
	"	5.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
	9/26/2023	0-1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	6,400
	"	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,800
T-18	"	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	5,330
	"	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
	"	4.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
Regulator	ry Criteria <sup>A</sup>		1,000	mg/kg		2,500 mg/kg	10 mg/kg				50 mg/kg	20,000 mg/kg

(-) Not Analyzed

<sup>A</sup> – Table 1 - 19.15.29 NMAC mg/kg - milligram per kilogram
TPH- Total Petroleum Hydrocarbons
ft-feet

(T) Trench Sample

Proposed Excavation

# **APPENDIX B**

# CARMONA RESOURCES

**EOG Resources, Inc** 

### Photograph No. 1

Facility: Deep Elem 4 Fed Com CTB Layflat

Line Strike

County: Eddy County, New Mexico

Description:

View North, area of T-1.



### Photograph No. 2

Facility: Deep Elem 4 Fed Com CTB Layflat

Line Strike

County: Eddy County, New Mexico

**Description:** 

View East, area of T-2.



### Photograph No. 3

Facility: Deep Elem 4 Fed Com CTB Layflat

Line Strike

County: Eddy County, New Mexico

Description:

View North, area of T-3.



**EOG Resources, Inc** 

### Photograph No. 4

Facility: Deep Elem 4 Fed Com CTB Layflat

Line Strike

County: Eddy County, New Mexico

**Description:** 

View Northwest, area of T-4



### Photograph No. 5

Facility: Deep Elem 4 Fed Com CTB Layflat

Line Strike

County: Eddy County, New Mexico

**Description:** 

View Northwest, area of T-5.



### Photograph No. 6

Facility: Deep Elem 4 Fed Com CTB Layflat

Line Strike

County: Eddy County, New Mexico

Description:

View South, area of T-6



**EOG Resources, Inc** 

### Photograph No. 7

Facility: Deep Elem 4 Fed Com CTB Layflat

Line Strike

County: Eddy County, New Mexico

**Description:** 

View Northeast, area of T-7.



### Photograph No. 8

Facility: Deep Elem 4 Fed Com CTB Layflat

Line Strike

County: Eddy County, New Mexico

**Description:** 

View North, area of T-8.



### Photograph No. 9

Facility: Deep Elem 4 Fed Com CTB Layflat

Line Strike

County: Eddy County, New Mexico

Description:

View East, area of T-9.



**EOG Resources, Inc** 

### Photograph No. 10

Facility: Deep Elem 4 Fed Com CTB Layflat

Line Strike

County: Eddy County, New Mexico

**Description:** 

View Northeast, area of T-10.



### Photograph No. 11

Facility: Deep Elem 4 Fed Com CTB Layflat

Line Strike

County: Eddy County, New Mexico

**Description:** 

View Northeast, area of T-11.



### Photograph No. 12

Facility: Deep Elem 4 Fed Com CTB Layflat

Line Strike

County: Eddy County, New Mexico

Description:

View South, area of T-12.



**EOG Resources, Inc** 

### Photograph No. 13

Facility: Deep Elem 4 Fed Com CTB Layflat

Line Strike

County: Eddy County, New Mexico

Description:

View South, area of T-13.



### Photograph No. 14

Facility: Deep Elem 4 Fed Com CTB Layflat

Line Strike

County: Eddy County, New Mexico

**Description:** 

View South, area of T-14.



### Photograph No. 15

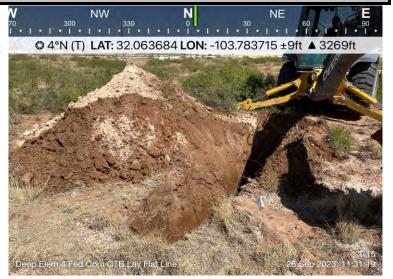
Facility: Deep Elem 4 Fed Com CTB Layflat

Line Strike

County: Eddy County, New Mexico

**Description:** 

View North, area of T-15.



**EOG Resources, Inc** 

### Photograph No. 16

Facility: Deep Elem 4 Fed Com CTB Layflat

Line Strike

County: Eddy County, New Mexico

Description:

View East, area of T-16.



### Photograph No. 17

Facility: Deep Elem 4 Fed Com CTB Layflat

Line Strike

County: Eddy County, New Mexico

**Description:** 

View South, area of T-17.



### Photograph No. 18

Facility: Deep Elem 4 Fed Com CTB Layflat

Line Strike

County: Eddy County, New Mexico

**Description:** 

View Southeast, area of T-18.



# **APPENDIX C**

# CARMONA RESOURCES

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	nAPP2321953140
District RP	
Facility ID	
Application ID	

### **Release Notification**

### **Responsible Party**

Responsible Party EOG Resources					OGRID 7	OGRID 7377				
Contact Nam	ne Todd We	lls			Contact Te	Telephone (432) 686-3613				
Contact ema	il Todd_We	lls@eogresources	.com		Incident # (assigned by OCD) nAPP2321953140					
Contact mail 79706	ing address	5509 Champions	Drive Midland, T							
			Location	of R	elease So	Source				
Latitude 32.064651° Longitude (NAD 83 in decimal degrees to 5 dec						-103.783362° imal places)				
Site Name D	eep Elem 4	Fed Com CTB La	y Flat Line Strike		Site Type	Lay Flat Line				
Date Release	Discovered	7/30/23			API# (if app	oplicable)				
Unit Letter	Section	tion Township Range Cou				inty				
В	9	26S	31E	Eddy	Eddy					
	Materia	Federal Tr	Nature and	d Vol	ume of 1	Release ic justification for the volumes provided below)				
Crude Oil		Volume Release	d (bbls)			Volume Recovered (bbls)				
Reuse Wa	iter	Volume Release	d (bbls) 100			Volume Recovered (bbls) 0				
		Is the concentrate produced water	tion of dissolved c >10,000 mg/l?	hloride	e in the	⊠ Yes □ No				
Condensa	ite	Volume Release	d (bbls)			Volume Recovered (bbls)				
Natural G	as	Volume Release	d (Mcf)			Volume Recovered (Mcf)				
Other (describe) Volume/Weight Released (provide units				e units)	S) Volume/Weight Recovered (provide units)					
flat line was	located in th		road from the Dec	ep Elen		uring the 12-inch lay flat line causing the release. The lay m CTB. Approximately 100 bbls of treated reuse water				

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Incident ID	NAPP2321953140
District RP	
Facility ID	
Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release? More than 25 bbls.
19.15.29.7(A) NMAC?	
⊠ Yes □ No	
707772	
If YES, was immediate no to the OCD Enviro Inbox	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Email notification on 7/31/23.
	Initial Response
The responsible p	party must undertake the following actions immediately unless they could create a safety hazard that would result in injury
☐ The source of the rele	ease has been stonned
	s been secured to protect human health and the environment.
_ *	ave been contained via the use of berms or dikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed and managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain why:
	AC the responsible party may commence remediation immediately after discovery of a release. If remediation
- 1	a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred at area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
	rmation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and
	required to report and/or file certain release notifications and perform corrective actions for releases which may endanger nent. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have
failed to adequately investig	ate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In f a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
and/or regulations.	ra C-141 report does not reneve the operator of responsibility for compliance with any other federal, state, of local laws
Printed Name:Todd W	Title: Environmental Specialist
Signature: Todd	<i>Wells</i> Date: <u>8/7/23</u>
email: Todd Wells	@eogresources.com
	· ————————————————————————————————————
OCD Only	
Received by: Shelly W	ells Date: <u>8/7/2023</u>
J Sherry W	<u> </u>

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District RP	
Facility ID	
Application ID	

### **Site Assessment/Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release?	(ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☐ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☐ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☐ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☐ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☐ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☐ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☐ No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	☐ Yes ☐ No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
Characterization Report Checklist: Each of the following items must be included in the report.	
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well Field data  Data table of soil contaminant concentration data  Depth to water determination  Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release  Boring or excavation logs  Photographs including date and GIS information  Topographic/Aerial maps  Laboratory data including chain of custody	ls.

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

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I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release no public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a threaddition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	tifications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have reat to groundwater, surface water, human health or the environment. In
Printed Name:	Title:
Signature: Todd Wells	Date:11/15/23
email:	Telephone:
OCD Only	
Received by: Shelly Wells	Date: 11/15/2023

Received by OCD: 11/15/2023 9:50:32 AM Form C-141 State of New Mexico Page 5 Oil Conservation Division

avias		Page 30 of	241
exico	Incident ID		
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Incident ID	
District RP	
Facility ID	
Application ID	

## **Remediation Plan**

Remediation Plan Checklist: Each of the following items must be	e included in the plan.
<ul> <li>□ Detailed description of proposed remediation technique</li> <li>□ Scaled sitemap with GPS coordinates showing delineation point</li> <li>□ Estimated volume of material to be remediated</li> <li>□ Closure criteria is to Table 1 specifications subject to 19.15.29.1</li> <li>□ Proposed schedule for remediation (note if remediation plan times)</li> </ul>	2(C)(4) NMAC
Deferral Requests Only: Each of the following items must be con-	firmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around predeconstruction.	oduction equipment where remediation could cause a major facility
Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human health	, the environment, or groundwater.
	e and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of
Printed Name:	Title:
Signature: Todd Wells	Date:11/15/23
email:	Telephone:
OCD Only	
Received by: _Shelly Wells	Date: <u>11/15/2023</u>
☐ Approved ☐ Approved with Attached Conditions of	Approval
Signature:	Date:

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

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 249206

### **CONDITIONS**

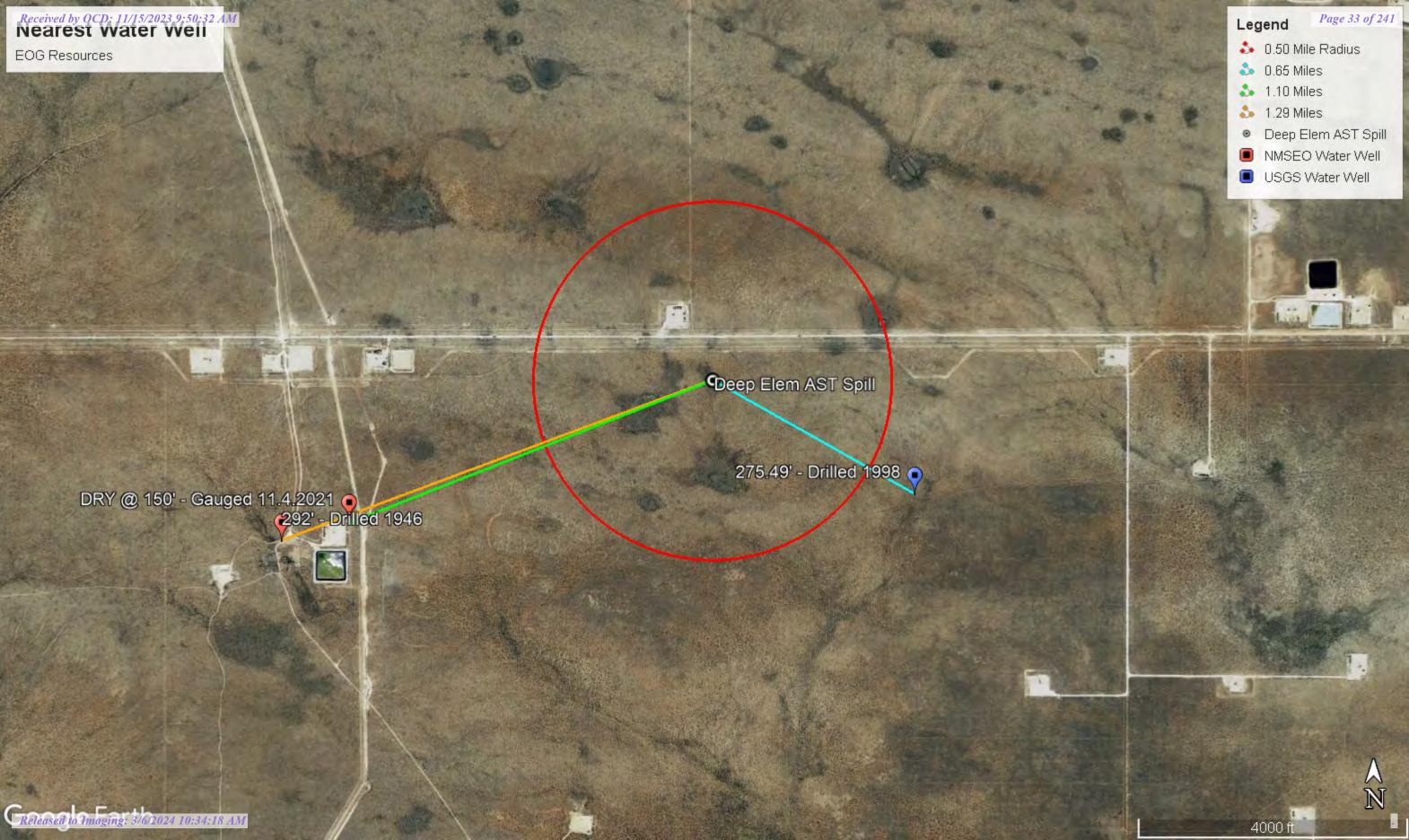
Operator:	OGRID:
EOG RESOURCES INC	7377
P.O. Box 2267	Action Number:
Midland, TX 79702	249206
	Action Type:
	[C-141] Release Corrective Action (C-141)

### CONDITIONS

Created By		Condition Date
scwells	None	8/7/2023

# **APPENDIX D**

# CARMONA RESOURCES







# 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 Sub-		QQC	)						Depth	Depth	Water
POD Number	Code basin	County	64 16 4	l Sec	Tws	Rng	Х	Υ	Distance	Well	Water	Column
C 01777	С	ED		08	26S	31E	613245	3547409* 🌍	1764	325	300	25
C 04700 POD1	CUB	ED	2 1 2	2 10	26S	31E	616736	3548154 🌍	1855			
C 02248	CUB	ED	1 2 3	3 08	26S	31E	612942	3547316* 🌍	2080	300	292	8
C 02249	CUB	ED	1 2 3	3 08	26S	31E	612942	3547316* 🌍	2080	300	292	8
C 04637 POD1	CUB	ED	4 4 3	3 02	26S	31E	618068	3548423 🌍	3204	51		

Average Depth to Water: 294 feet

Minimum Depth: 292 feet

Maximum Depth: 300 feet

**Record Count:** 5

**UTMNAD83 Radius Search (in meters):** 

**Easting (X):** 614883 **Northing (Y):** 3548066 **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.



### Click to hideNews Bulletins

- Explore the NEW <u>USGS National Water Dashboard</u> interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

### Search Results -- 1 sites found

Agency code = usgs site\_no list =

320330103462401

### Minimum number of levels = 1

Save file of selected sites to local disk for future upload

### USGS 320330103462401 26S.31E.08.321434

Eddy County, New Mexico

Latitude 32°03'30", Longitude 103°46'24" NAD27

Land-surface elevation 3,251 feet above NAVD88

The depth of the well is 380 feet below land surface.

This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.

This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

### **Output formats**

Table of data	
Tab-separated data	
Graph of data	

<u>Reselect perio</u>	<u>d</u>									
Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1983-02-16		D	62610		2972.78	NGVD29	1	Z		
1983-02-16		D	62611		2974.42	NAVD88	1	Z		
1983-02-16		D	72019	276.58			1	Z		
1987-10-21		D	62610		2972.14	NGVD29	1	Z		
1987-10-21		D	62611		2973.78	NAVD88	1	Z		
1987-10-21		D	72019	277.22			1	Z		
1992-11-05		D	62610		2973.40	NGVD29	Р	0		
1992-11-05		D	62611		2975.04	NAVD88	Р	0		
1992-11-05		D	72019	275.96			Р	0		
1998-01-29		D	62610		2973.87	NGVD29	1	S		
1998-01-29		D	62611		2975.51	NAVD88	1	S		
1998-01-29		D	72019	275.49			1	S		

Date	Time	? Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	?
Parameter code		72019	Depth to water leve	l, feet below land surfa	ice		
Referenced vertica	ıl datum	NAVD88	North American Ver	tical Datum of 1988			
Referenced vertica	ıl datum	NGVD29	National Geodetic V	ertical Datum of 1929			
Status		1	Static				
Status		Р	Pumping				
Method of measure	ement	0	Observed.				
Method of measure	ement	S	Steel-tape measure	ment.			
Method of measure	ement	Z	Other.				
Measuring agency			Not determined				
Source of measure	ement		Not determined				
Water-level approv	val status	А	Approved for public	ation Processing and	review completed.		

**Questions or Comments Automated retrievals** <u>Help</u> Data Tips Explanation of terms Subscribe for system changes **News** 

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Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for New Mexico: Water Levels

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

Page Contact Information: New Mexico Water Data Maintainer Page Last Modified: 2023-07-31 10:51:09 EDT

0.28 0.24 nadww02





# New Mexico Office of the State Engineer

# **Point of Diversion Summary**

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number** 

C 01777

Q64 Q16 Q4 Sec Tws Rng

613245 26S 31E

3547409\*

**Driller License:** 208

**Driller Company:** VAN NOY, W.L.

**Driller Name:** VAN NOY, W.L.

**Drill Start Date:** 09/09/1977 **Drill Finish Date:** 

09/16/1977

325 feet

**Bottom Description** 

**Plug Date:** 

Log File Date:

09/28/1977

**PCW Rcv Date:** 

Source:

Shallow

**Pump Type: Casing Size:**  Pipe Discharge Size:

Depth Well:

**Estimated Yield:** 

300 feet

6.63

Depth Water:

Water Bearing Stratifications:

300

Top

325 Sandstone/Gravel/Conglomerate

**Casing Perforations:** 

Top 295

**Bottom** 325

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.

8/2/23 9:04 AM

POINT OF DIVERSION SUMMARY

<sup>\*</sup>UTM location was derived from PLSS - see Help



# New Mexico Office of the State Engineer

# **Point of Diversion Summary**

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number** 

Q64 Q16 Q4 Sec Tws Rng 26S 31E

612942 3547316\*

**Driller License:** 

**Driller Company:** 

**Driller Name:** 

**UNKNOWN Drill Start Date:** 

C 02248

**Drill Finish Date:** 12/31/1946

Plug Date:

Log File Date:

**PCW Rcv Date:** 

Source:

**Pump Type:** 

Pipe Discharge Size:

Estimated Yield: 6 GPM

**Casing Size:** 

6.38

Depth Well:

300 feet

Depth Water:

292 feet

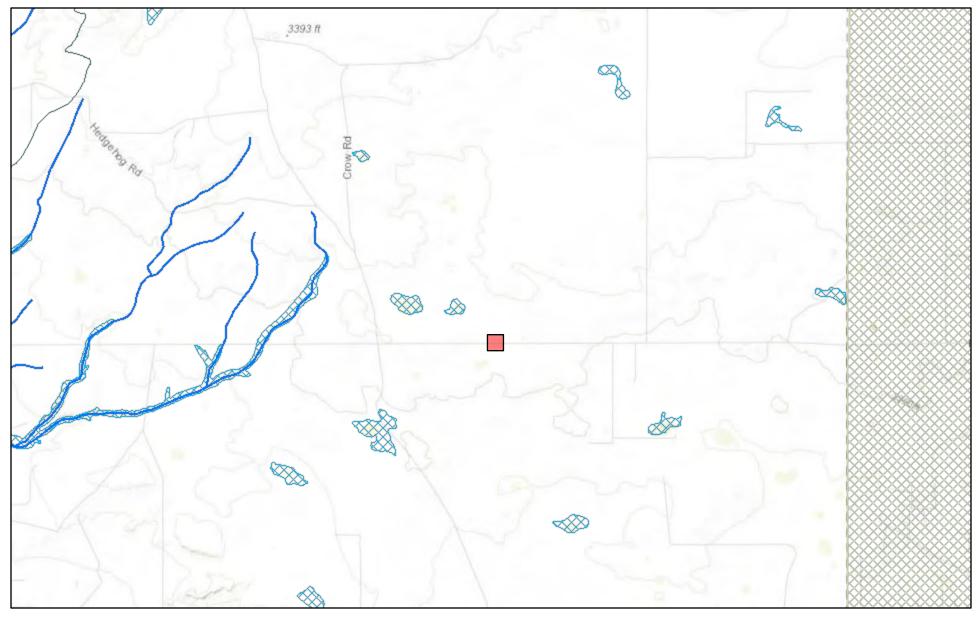
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

8/2/23 9:05 AM

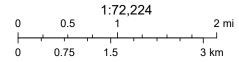
POINT OF DIVERSION SUMMARY

<sup>\*</sup>UTM location was derived from PLSS - see Help

# New Mexico NFHL Data



August 2, 2023



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

#### **Ashton Thielke**

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

**Sent:** Monday, August 14, 2023 10:16 AM

**To:** Ashton Thielke

Subject: RE: [EXTERNAL] NAPP2321953140 - DEEP ELEM 4 FED COM CTB LAY FLAT LINE STRIKE -

**Groundwater Variance** 

#### Ashton,

There doesn't seem to be any wetlands, karst, or flood plain issues with the site. For future reference, 0.6 miles is slightly outside the ½ mile radius that we require for a reference groundwater depth. Generally, any reference groundwater depth further out than this would require a borehole for groundwater depth determination.

The Variance Request for 100' groundwater depth determination is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Regards,

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



From: Ashton Thielke <ThielkeA@carmonaresources.com>

Sent: Friday, August 11, 2023 9:49 AM

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

Subject: [EXTERNAL] NAPP2321953140 - DEEP ELEM 4 FED COM CTB LAY FLAT LINE STRIKE - Groundwater Variance

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

Good morning Robert,

On behalf of EOG, I am requesting a groundwater variance for the above-mentioned site.

Attached is groundwater research of the site that include nearby water wells I have found in my research.

The nearest water well has a depth of 275.49' and was drilled in 1998, located 0.65 miles southeast from the nearest horizontal extent of the spill area.

The site is not located in a high karst environment.

Due to the depth of local groundwater and the site being not located in a high karst, EOG requests a closure criteria variance to

reflect groundwater 100'+ as shown in Table 1 of 19.15.29.12 NMAC.

Feel free to contact me if you have any questions! Thanks,

Ashton Thielke 310 West Wall Street, Suite 500 Midland TX, 79701 M: 432-813-8988 C: 281-753-5659

ThielkeA@carmonaresources.com

CAPMONA PESOUPCES



# **APPENDIX E**

# CARMONA RESOURCES

**Environment Testing** 

# **ANALYTICAL REPORT**

# PREPARED FOR

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

Generated 8/15/2023 12:31:01 PM

# **JOB DESCRIPTION**

Deep Elm AST Spill (Pipeline Road) SDG NUMBER Eddy County, New Mexico

# **JOB NUMBER**

880-31826-1

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 8/15/2023 12:31:01 PM

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

14

Eurofins Midland is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies
Page 2 of 63
8/15/2023

Client: Carmona Resources Project/Site: Deep Elm AST Spill (Pipeline Road) Laboratory Job ID: 880-31826-1 SDG: Eddy County, New Mexico

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#### **Definitions/Glossary**

Client: Carmona Resources
Project/Site: Deep Elm AST Spill (Pipeline Road)
SD0

SDG: Eddy County, New Mexico

Job ID: 880-31826-1

**Qualifiers** 

**GC VOA** 

 Qualifier
 Qualifier Description

 S1 Surrogate recovery exceeds control limits, low biased.

U Indicates the analyte was analyzed for but not detected.

**GC Semi VOA** 

Qualifier Qualifier Description

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** 

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.

Eisted under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery
CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

#### Case Narrative

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1

SDG: Eddy County, New Mexico

Job ID: 880-31826-1

**Laboratory: Eurofins Midland** 

Narrative

Job Narrative 880-31826-1

#### Receipt

The samples were received on 8/9/2023 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -13.3°C

#### GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-3 (0-1.0') (880-31826-3), S-9 (0-1.0') (880-31826-9), S-11 (0-0.5') (880-31826-11), S-13 (0-1.0') (880-31826-13), S-15 (0-1.0') (880-31826-18) and S-16 (1.5') (880-31826-23). 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: (MB 880-59852/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-59869 recovered below the lower control limit for Benzene, Toluene and Ethylbenzene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-59869/33).

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

#### GC Semi VOA

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: S-11 (0-0.5') (880-31826-11), S-12 (0-1.0') (880-31826-12), S-13 (0-1.0') (880-31826-13), S-13 (1.5') (880-31826-14), S-13 (2.0') (880-31826-15), S-13 (3.0') (880-31826-16), S-14 (0-1.0') (880-31826-17), S-15 (0-1.0') (880-31826-18), S-15 (1.5') (880-31826-19), S-15 (2.0') (880-31826-20), S-15 (3.0') (880-31826-21), S-16 (0-1.0') (880-31826-22), S-16 (1.5') (880-31826-23), S-16 (2.0') (880-31826-24), S-17 (0-1.0') (880-31826-25), S-17 (1.5') (880-31826-26), S-17 (2.0') (880-31826-27), S-18 (0-1.0') (880-31826-28), S-18 (1.5') (880-31826-29), S-18 (2.0') (880-31826-30), (CCV 880-59899/20), (CCV 880-59899/31), (CCV 880-59899/47), (CCV 880-59899/5), (CCV 880-59899/58), (LCS 880-59849/2-A), (LCSD 880-59849/3-A), (MB 880-59849/1-A), (RTC 880-59899/3), (880-31826-A-11-D MS) and (880-31826-A-11-E MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD NM: The continuing calibration verification (CCV) associated with batch 880-59899 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-59899/31).

Method 8015MOD NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-59849 and analytical batch 880-59899 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD NM: The surrogate recovery for the blank associated with preparation batch 880-59785 and analytical batch 880-59901 was outside the upper control limits.

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-59901/31), (CCV 880-59901/47), (CCV 880-59901/58), (LCS 880-59785/2-A) and (LCSD 880-59785/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD NM: Surrogate recovery for the following sample was outside control limits: (880-31304-A-1-H MS). 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: S-7 (0-1.0') (880-31826-7) and S-9 (0-1.0') (880-31826-9). 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.

#### **Case Narrative**

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1

SDG: Eddy County, New Mexico

#### Job ID: 880-31826-1 (Continued)

#### **Laboratory: Eurofins Midland (Continued)**

#### HPLC/IC

Method 300 ORGFM 28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-59728 and analytical batch 880-59864 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-31826-1

Matrix: Solid

Client Sample ID: S-1 (0-1.0') Date Collected: 08/07/23 00:00

Date Received: 08/09/23 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		08/10/23 09:33	08/10/23 17:25	
Toluene	<0.00200	U	0.00200		mg/Kg		08/10/23 09:33	08/10/23 17:25	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/10/23 09:33	08/10/23 17:25	
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/10/23 09:33	08/10/23 17:25	
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/10/23 09:33	08/10/23 17:25	
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/10/23 09:33	08/10/23 17:25	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	100		70 - 130				08/10/23 09:33	08/10/23 17:25	
1,4-Difluorobenzene (Surr)	106		70 - 130				08/10/23 09:33	08/10/23 17:25	
Method: TAL SOP Total BTEX - 1	Total BTEX Cal	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/11/23 11:23	
Method: SW846 8015 NM - Diese Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH		- Guaiiiioi			0	_	. ropurou		
	73.2		49.6		mg/Kg			08/14/23 22:22	
		nice (DPO)			mg/Kg			08/14/23 22:22	
Method: SW846 8015B NM - Die	sel Range Orga		(GC)	MDI		— –	Propared		
Method: SW846 8015B NM - Dies Analyte	sel Range Orga Result	Qualifier	(GC)	MDL	Unit		Prepared 08/09/23 16:40	Analyzed	Dil Fa
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	sel Range Orga	Qualifier	(GC)	MDL		<u>D</u>	Prepared 08/09/23 16:40		
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	sel Range Orga Result	Qualifier	(GC)	MDL	Unit	<u>D</u>	<u>.</u>	Analyzed	Dil Fa
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	sel Range Orga Result <49.6	Qualifier	(GC)  RL  49.6	MDL	Unit mg/Kg	<u>D</u>	08/09/23 16:40	Analyzed 08/12/23 01:34	Dil Fa
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	sel Range Orga Result <49.6	Qualifier U	(GC)  RL  49.6	MDL	Unit mg/Kg	<u>D</u>	08/09/23 16:40	Analyzed 08/12/23 01:34	Dil Fa
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	sel Range Orga Result <49.6 73.2	Qualifier U	(GC)  RL 49.6	MDL	Unit mg/Kg mg/Kg	<u>D</u>	08/09/23 16:40 08/09/23 16:40	Analyzed 08/12/23 01:34 08/12/23 01:34	Dil Fa
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)  Surrogate	sel Range Orga Result <49.6 73.2 <49.6	Qualifier U	(GC)  RL 49.6  49.6  49.6	MDL	Unit mg/Kg mg/Kg	<u>D</u>	08/09/23 16:40 08/09/23 16:40 08/09/23 16:40	Analyzed 08/12/23 01:34 08/12/23 01:34 08/12/23 01:34	Dil Fa
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane	sel Range Orga           Result         <49.6	Qualifier U	(GC)  RL 49.6  49.6  49.6  Limits	MDL	Unit mg/Kg mg/Kg	<u>D</u>	08/09/23 16:40 08/09/23 16:40 08/09/23 16:40 <b>Prepared</b>	Analyzed 08/12/23 01:34 08/12/23 01:34 08/12/23 01:34 Analyzed	Dil Fa
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane o-Terphenyl	sel Range Orga           Result         <49.6	Qualifier  U  U  Qualifier	(GC)  RL 49.6  49.6  49.6  Limits 70 - 130 70 - 130	MDL	Unit mg/Kg mg/Kg	<u>D</u>	08/09/23 16:40 08/09/23 16:40 08/09/23 16:40  Prepared 08/09/23 16:40	Analyzed 08/12/23 01:34 08/12/23 01:34 08/12/23 01:34  Analyzed 08/12/23 01:34	Dil Fa
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)  Surrogate	Sel Range Orga   Result	Qualifier  U  U  Qualifier	(GC)  RL 49.6  49.6  49.6  Limits 70 - 130 70 - 130		Unit mg/Kg mg/Kg	<u>D</u>	08/09/23 16:40 08/09/23 16:40 08/09/23 16:40  Prepared 08/09/23 16:40	Analyzed 08/12/23 01:34 08/12/23 01:34 08/12/23 01:34  Analyzed 08/12/23 01:34	Dil Fa

**Client Sample ID: S-2 (0-1.0')** Lab Sample ID: 880-31826-2 Date Collected: 08/07/23 00:00 **Matrix: Solid** 

Date Received: 08/09/23 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/10/23 09:33	08/10/23 17:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/10/23 09:33	08/10/23 17:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/10/23 09:33	08/10/23 17:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/10/23 09:33	08/10/23 17:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/10/23 09:33	08/10/23 17:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/10/23 09:33	08/10/23 17:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				08/10/23 09:33	08/10/23 17:46	1
1,4-Difluorobenzene (Surr)	77		70 - 130				08/10/23 09:33	08/10/23 17:46	1

**Client Sample ID: S-2 (0-1.0')** 

# **Client Sample Results**

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-31826-2

Matrix: Solid

08/10/23 18:05

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/11/23 11:23	1
- Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	97.5		50.4		mg/Kg			08/14/23 22:22	1
- Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.4	U	50.4		mg/Kg		08/09/23 16:40	08/12/23 01:57	1
(GRO)-C6-C10									
Diesel Range Organics (Over	97.5		50.4		mg/Kg		08/09/23 16:40	08/12/23 01:57	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/09/23 16:40	08/12/23 01:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				08/09/23 16:40	08/12/23 01:57	1
o-Terphenyl	105		70 - 130				08/09/23 16:40	08/12/23 01:57	1
Method: EPA 300.0 - Anions, Ion	Chromatogran	hy - Solubl	e						
Analyte	• •	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: S-3 (0-1.0') Lab Sample ID: 880-31826-3

24.9

mg/Kg

Chloride

Date Collected: 08/07/23 00:00 **Matrix: Solid** Date Received: 08/09/23 09:00

3170

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/10/23 09:33	08/10/23 18:06	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/10/23 09:33	08/10/23 18:06	,
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/10/23 09:33	08/10/23 18:06	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/10/23 09:33	08/10/23 18:06	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/10/23 09:33	08/10/23 18:06	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/10/23 09:33	08/10/23 18:06	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				08/10/23 09:33	08/10/23 18:06	1
	60	S1-	70 - 130				08/10/23 09:33	08/10/23 18:06	1
1,4-Difluorobenzene (Surr)  Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald		70 - 730 RL	MDL	Unit	D	Prepared	Analyzed	
- ´			70 - 130				00/10/23 09.33	00/10/23 10:00	,
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation Qualifier		MDL	Unit mg/Kg	<u>D</u>			
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00403	<b>Qualifier</b>	RL 0.00403	MDL		<u>D</u>		Analyzed	
Method: TAL SOP Total BTEX Analyte	- Total BTEX Calc Result <0.00403 sel Range Organ	<b>Qualifier</b>	RL 0.00403			<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00403 sel Range Organ	Qualifier U	RL 0.00403		mg/Kg		Prepared	Analyzed 08/11/23 11:23	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00403 sel Range Organ Result 74.8	Qualifier U ics (DRO) (	RL 0.00403  GC) RL 50.2		mg/Kg		Prepared	Analyzed 08/11/23 11:23 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte Total TPH  Method: SW846 8015B NM - Die	- Total BTEX Calc Result <0.00403 sel Range Organ Result 74.8 sesel Range Orga	Qualifier U ics (DRO) (	RL 0.00403  GC) RL 50.2	MDL	mg/Kg		Prepared	Analyzed 08/11/23 11:23 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00403 sel Range Organ Result 74.8 sesel Range Orga	Qualifier U  ics (DRO) ( Qualifier  nics (DRO) Qualifier	RL 0.00403  GC)  RL 50.2	MDL	mg/Kg  Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 08/11/23 11:23  Analyzed 08/14/23 22:22	Dil Fac

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-31826-3

Client Sample ID: S-3 (0-1.0') Date Collected: 08/07/23 00:00

Date Received: 08/09/23 09:00

Matrix: Solid

Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC) (Continue	ed)				
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		08/09/23 16:40	08/12/23 02:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130			08/09/23 16:40	08/12/23 02:20	1
o-Terphenyl	122		70 - 130			08/09/23 16:40	08/12/23 02:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier MDL Dil Fac Analyte RL Unit D Prepared Analyzed 50.4 08/10/23 18:12 6130 10 Chloride mg/Kg

Client Sample ID: S-4 (0-1.0')

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

Lab Sample ID: 880-31826-4

**Matrix: Solid** 

Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Benzene <0.00198 U 0.00198 08/10/23 09:33 08/10/23 18:27 mg/Kg Toluene <0.00198 U 0.00198 08/10/23 09:33 08/10/23 18:27 mg/Kg Ethylbenzene <0.00198 U 0.00198 08/10/23 09:33 08/10/23 18:27 mg/Kg m-Xylene & p-Xylene 08/10/23 09:33 08/10/23 18:27 <0.00397 U 0.00397 mg/Kg o-Xylene <0.00198 U 0.00198 mg/Kg 08/10/23 09:33 08/10/23 18:27 08/10/23 18:27 Xylenes, Total <0.00397 U 0.00397 mg/Kg 08/10/23 09:33

%Recovery Limits Dil Fac Surrogate Qualifier Prepared Analyzed 70 - 130 08/10/23 09:33 08/10/23 18:27 4-Bromofluorobenzene (Surr) 78 1,4-Difluorobenzene (Surr) 98 70 - 130 08/10/23 09:33 08/10/23 18:27

Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D Dil Fac Prepared Analyzed Total BTEX <0.00397 U 0.00397 mg/Kg 08/11/23 11:23

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier MDL Dil Fac RL Unit D Prepared Analyzed Total TPH <49.8 Ū 49.8 08/14/23 22:22 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier Analyte RL MDL Unit Prepared Analyzed Dil Fac Gasoline Range Organics <49.8 U 49.8 08/09/23 16:40 08/12/23 02:42 mg/Kg (GRO)-C6-C10 08/09/23 16:40 08/12/23 02:42 Diesel Range Organics (Over <49.8 U 49.8 mg/Kg OII Range Organics (Over C28-C36) <49.8 U 49.8 mg/Kg 08/09/23 16:40 08/12/23 02:42

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 97 70 - 130 08/09/23 16:40 08/12/23 02:42 109 08/09/23 16:40 08/12/23 02:42 o-Terphenyl 70 - 130

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier MDL Dil Fac RL Unit Prepared Analyzed Chloride 25.0 08/10/23 18:19 3010 mg/Kg

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1 SDG: Eddy County, New Mexico

Lab Sample ID: 880-31826-5

Matrix: Solid

**Client Sample ID: S-5 (0-1.0')** Date Collected: 08/07/23 00:00

Date Received: 08/09/23 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/10/23 09:33	08/10/23 18:48	1
Toluene	< 0.00199	U	0.00199		mg/Kg		08/10/23 09:33	08/10/23 18:48	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		08/10/23 09:33	08/10/23 18:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/10/23 09:33	08/10/23 18:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/10/23 09:33	08/10/23 18:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/10/23 09:33	08/10/23 18:48	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130				08/10/23 09:33	08/10/23 18:48	1
1,4-Difluorobenzene (Surr)	93		70 - 130				08/10/23 09:33	08/10/23 18:48	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/11/23 11:23	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	63.7		49.6		mg/Kg			08/14/23 22:22	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/09/23 16:40	08/12/23 03:05	1
Diesel Range Organics (Over C10-C28)	63.7		49.6		mg/Kg		08/09/23 16:40	08/12/23 03:05	1
Oll Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/09/23 16:40	08/12/23 03:05	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				08/09/23 16:40	08/12/23 03:05	1
o-Terphenyl	114		70 - 130				08/09/23 16:40	08/12/23 03:05	1
Method: EPA 300.0 - Anions, Ion	Chromatogran	hy - Solubl	e						
Analyte	• •	Qualifier	RL						

**Client Sample ID: S-6 (0-1.0')** Lab Sample ID: 880-31826-6 Date Collected: 08/07/23 00:00 **Matrix: Solid** 

5550

50.0

mg/Kg

Date Received: 08/09/23 09:00

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/10/23 09:33	08/10/23 19:08	-
Toluene	<0.00200	U	0.00200		mg/Kg		08/10/23 09:33	08/10/23 19:08	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/10/23 09:33	08/10/23 19:08	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/10/23 09:33	08/10/23 19:08	
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/10/23 09:33	08/10/23 19:08	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/10/23 09:33	08/10/23 19:08	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	84		70 - 130				08/10/23 09:33	08/10/23 19:08	
1.4-Difluorobenzene (Surr)	75		70 - 130				08/10/23 09:33	08/10/23 19:08	

**Eurofins Midland** 

08/10/23 18:26

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-31826-6 **Client Sample ID: S-6 (0-1.0')** Date Collected: 08/07/23 00:00

Matrix: Solid

Date Received: 08/09/23 09:00

	Method: TAL SOP Total BTEX - Tot	tal BTEX Cald	culation							
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Total BTEX	<0.00400	U	0.00400		mg/Kg			08/11/23 11:23	1
ı	_									

Method: SW846 8015 NM - Diesel F	Range Organi	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/14/23 22:22	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.6	U	49.6		mg/Kg		08/09/23 16:40	08/12/23 03:28	-
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.6	U	49.6		mg/Kg		08/09/23 16:40	08/12/23 03:28	•
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/09/23 16:40	08/12/23 03:28	•
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	101	-	70 - 130				08/09/23 16:40	08/12/23 03:28	
o-Terphenyl	113		70 - 130				08/09/23 16:40	08/12/23 03:28	

Method: EPA 300.0 - Anions, Ion C	hromatography - Solub	le					
Analyte	Result Qualifier	RL	MDL Uni	. <b>D</b>	Prepared	Analyzed	Dil Fac
Chloride	6250	49.9	mg/	Kg		08/10/23 18:34	10

Client Sample ID: S-7 (0-1.0') Lab Sample ID: 880-31826-7 Date Collected: 08/07/23 00:00 **Matrix: Solid** 

Date Received: 08/09/23 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/10/23 09:33	08/10/23 19:29	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/10/23 09:33	08/10/23 19:29	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/10/23 09:33	08/10/23 19:29	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/10/23 09:33	08/10/23 19:29	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/10/23 09:33	08/10/23 19:29	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/10/23 09:33	08/10/23 19:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				08/10/23 09:33	08/10/23 19:29	1
1,4-Difluorobenzene (Surr)  Method: TAL SOP Total BTEX -			70 - 130				08/10/23 09:33	08/10/23 19:29	
Method: TAL SOP Total BTEX -	Total BTEX Cald	Qualifier	70 - 130  RL 0.00396	MDL	Unit mg/Kg	<u>D</u>	08/10/23 09:33 Prepared	08/10/23 19:29  Analyzed  08/11/23 11:23	
Method: TAL SOP Total BTEX - Analyte Total BTEX	Total BTEX Calc Result <0.00396	<b>Qualifier</b> U	RL 0.00396	MDL		<u>D</u>		Analyzed	
Method: TAL SOP Total BTEX - Analyte	Total BTEX Calc Result < 0.00396 sel Range Organ	<b>Qualifier</b> U	RL 0.00396			<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX  Method: SW846 8015 NM - Dies	Total BTEX Calc Result < 0.00396 sel Range Organ	Qualifier U	RL 0.00396		mg/Kg	=	Prepared	Analyzed 08/11/23 11:23	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX  Method: SW846 8015 NM - Dies Analyte	Total BTEX Calc Result <0.00396 Sel Range Organ Result 64.2	Qualifier U ics (DRO) ( Qualifier	RL 0.00396  GC) RL 49.5		mg/Kg	=	Prepared	Analyzed  08/11/23 11:23  Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX  Method: SW846 8015 NM - Dies Analyte Total TPH  Method: SW846 8015B NM - Die	Total BTEX Calc Result <0.00396 sel Range Organ Result 64.2 esel Range Orga	Qualifier U ics (DRO) ( Qualifier	RL 0.00396  GC) RL 49.5	MDL	mg/Kg	=	Prepared	Analyzed  08/11/23 11:23  Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX  Method: SW846 8015 NM - Dies Analyte Total TPH	Total BTEX Calc Result <0.00396 sel Range Organ Result 64.2 esel Range Orga	Qualifier U ics (DRO) ( Qualifier  nics (DRO) Qualifier	RL 0.00396  GC)  RL 49.5	MDL	mg/Kg  Unit mg/Kg		Prepared Prepared	Analyzed  08/11/23 11:23  Analyzed  08/14/23 22:22	Dil Fac

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-31826-7

Matrix: Solid

	-		-	
<b>Date Colle</b>	cted: 08/07/23 (	00:00		
<b>Date Rece</b>	ived: 08/09/23 0	09:00		

Date	Received:	08/09/23	09:00

Client Sample ID: S-7 (0-1.0')

ed)			
MDL Unit D	Prepared	Analyzed	Dil Fac
mg/Kg	08/09/23 16:40	08/12/23 03:50	1
	Prepared	Analyzed	Dil Fac
	08/09/23 16:40	08/12/23 03:50	1
	08/09/23 16:40	08/12/23 03:50	1
	MDL Unit D	MDL         Unit         D         Prepared           mg/Kg         08/09/23 16:40           Prepared           08/09/23 16:40	MDL         Unit         D         Prepared         Analyzed           mg/Kg         08/09/23 16:40         08/12/23 03:50           Prepared 08/09/23 16:40         Analyzed 08/12/23 03:50

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4640	25.1	mg/Kg			08/10/23 18:41	5

Client Sample ID: S-8 (0-1.0')

Lab Sample ID: 880-31826-8 Date Collected: 08/07/23 00:00 Matrix: Solid

Date Received: 08/09/23 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/10/23 09:33	08/10/23 19:49	
Toluene	<0.00201	U	0.00201		mg/Kg		08/10/23 09:33	08/10/23 19:49	,
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/10/23 09:33	08/10/23 19:49	
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/10/23 09:33	08/10/23 19:49	•
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/10/23 09:33	08/10/23 19:49	
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/10/23 09:33	08/10/23 19:49	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	88		70 - 130				08/10/23 09:33	08/10/23 19:49	
1,4-Difluorobenzene (Surr)	73		70 - 130				08/10/23 09:33	08/10/23 19:49	
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/11/23 11:23	-
Analyte	•	ics (DRO) ( Qualifier	GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH	•	, , ,	•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 08/14/23 22:22	
Analyte Total TPH	Result	Qualifier	<b>RL</b> 50.0	MDL		<u>D</u>	Prepared		
Analyte	Result 55.6 sel Range Orga	Qualifier	<b>RL</b> 50.0			<u>D</u>	Prepared Prepared		
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result 55.6 sel Range Orga	Qualifier  nics (DRO) Qualifier	RL 50.0		mg/Kg			08/14/23 22:22	Dil Fa
Analyte Total TPH  Method: SW846 8015B NM - Dies	Result 55.6 sel Range Orga	Qualifier  nics (DRO) Qualifier	RL 50.0		mg/Kg		Prepared	08/14/23 22:22  Analyzed	Dil Fa
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result 55.6 sel Range Orga Result < 50.0	Qualifier  nics (DRO)  Qualifier  U	RL     50.0		mg/Kg  Unit mg/Kg		Prepared 08/09/23 16:40	08/14/23 22:22  Analyzed  08/12/23 04:13	Dil Fa
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result 55.6 sel Range Orga Result <50.0 55.6	Qualifier  nics (DRO) Qualifier U	RL 50.0 (GC) RL 50.0 50.0		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 08/09/23 16:40 08/09/23 16:40	08/14/23 22:22  Analyzed 08/12/23 04:13 08/12/23 04:13	Dil Fa
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result	Qualifier  nics (DRO) Qualifier U	RL 50.0  (GC)  RL 50.0  50.0  50.0		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 08/09/23 16:40 08/09/23 16:40 08/09/23 16:40	08/14/23 22:22  Analyzed 08/12/23 04:13 08/12/23 04:13	Dil Fa
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)  Surrogate	Result	Qualifier  nics (DRO) Qualifier U	RL     50.0		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 08/09/23 16:40 08/09/23 16:40 08/09/23 16:40 Prepared	08/14/23 22:22  Analyzed 08/12/23 04:13 08/12/23 04:13 08/12/23 04:13 Analyzed	Dil Fa
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane	Result	Qualifier  nics (DRO) Qualifier  U	RL 50.0  (GC)  RL 50.0  50.0  50.0  Limits  70 - 130  70 - 130		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 08/09/23 16:40 08/09/23 16:40 08/09/23 16:40  Prepared 08/09/23 16:40	08/14/23 22:22  Analyzed 08/12/23 04:13 08/12/23 04:13  Analyzed 08/12/23 04:13	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier  nics (DRO) Qualifier  U	RL 50.0  (GC)  RL 50.0  50.0  50.0  Limits  70 - 130  70 - 130	MDL	mg/Kg  Unit mg/Kg  mg/Kg		Prepared 08/09/23 16:40 08/09/23 16:40 08/09/23 16:40  Prepared 08/09/23 16:40	08/14/23 22:22  Analyzed 08/12/23 04:13 08/12/23 04:13  Analyzed 08/12/23 04:13	Dil Fac

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-31826-9

Matrix: Solid

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

Client Sample ID: S-9 (0-1.0')

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/10/23 09:33	08/10/23 20:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/10/23 09:33	08/10/23 20:10	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/10/23 09:33	08/10/23 20:10	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/10/23 09:33	08/10/23 20:10	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/10/23 09:33	08/10/23 20:10	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/10/23 09:33	08/10/23 20:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				08/10/23 09:33	08/10/23 20:10	1
1,4-Difluorobenzene (Surr)	60	S1-	70 - 130				08/10/23 09:33	08/10/23 20:10	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	П	0.00402		mg/Kg			08/11/23 11:23	

Method: SW846 8015 NM - Diesel Rai	nge Organ	ics (DRO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			08/14/23 22:22	1
 Method: SW846 8015B NM - Diesel R	ange Orga	nics (DRO) (GC)	<b>)</b>						
moundar official control in the process of	ungo ongu		,						

Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.3	U	50.3		mg/Kg		08/09/23 16:40	08/12/23 04:35	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.3	U	50.3		mg/Kg		08/09/23 16:40	08/12/23 04:35	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/09/23 16:40	08/12/23 04:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				08/09/23 16:40	08/12/23 04:35	1
o-Terphenyl	131	S1+	70 - 130				08/09/23 16:40	08/12/23 04:35	1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble	)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2930		25.2		mg/Kg			08/10/23 12:20	5

**Client Sample ID: S-10 (0-0.5')** Lab Sample ID: 880-31826-10 Date Collected: 08/07/23 00:00 **Matrix: Solid** 

Date Received: 08/09/23 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/10/23 09:33	08/10/23 20:30	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/10/23 09:33	08/10/23 20:30	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/10/23 09:33	08/10/23 20:30	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/10/23 09:33	08/10/23 20:30	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/10/23 09:33	08/10/23 20:30	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/10/23 09:33	08/10/23 20:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				08/10/23 09:33	08/10/23 20:30	1
1.4-Difluorobenzene (Surr)	96		70 - 130				08/10/23 09:33	08/10/23 20:30	1

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-31826-10 Client Sample ID: S-10 (0-0.5')

Date Collected: 08/07/23 00:00 **Matrix: Solid** Date Received: 08/09/23 09:00

**Method: TAL SOP Total BTEX - Total BTEX Calculation** Dil Fac Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Total BTEX <0.00404 U 0.00404 08/11/23 11:23 mg/Kg Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

MDL Unit Result Qualifier RL Prepared D Analyzed Dil Fac **Total TPH** 58.5 50.1 08/14/23 22:22 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL MDL Unit D Analyte Prepared Dil Fac Analyzed <50.1 U 50.1 08/12/23 04:56 08/09/23 16:40 Gasoline Range Organics mg/Kg (GRO)-C6-C10 50.1 **Diesel Range Organics (Over** 58.5 mg/Kg 08/09/23 16:40 08/12/23 04:56 C10-C28) Oll Range Organics (Over C28-C36) <50.1 U 50.1 mg/Kg 08/09/23 16:40 08/12/23 04:56

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 70 - 130 1-Chlorooctane 104 08/09/23 16:40 08/12/23 04:56 o-Terphenyl 123 70 - 130 08/09/23 16:40 08/12/23 04:56

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride 6350 50.2 mg/Kg 08/10/23 12:36 10

Client Sample ID: S-11 (0-0.5') Lab Sample ID: 880-31826-11 Date Collected: 08/07/23 00:00 **Matrix: Solid** 

Date Received: 08/09/23 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/10/23 09:33	08/10/23 21:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/10/23 09:33	08/10/23 21:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/10/23 09:33	08/10/23 21:53	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/10/23 09:33	08/10/23 21:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/10/23 09:33	08/10/23 21:53	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/10/23 09:33	08/10/23 21:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				08/10/23 09:33	08/10/23 21:53	1
Method: TAL SOP Total BTEX		culation	70 <sub>-</sub> 130	MDI	Unit	n	08/10/23 09:33	08/10/23 21:53	
Analyte	- Total BTEX Cald	culation Qualifier	70 - 130  RL  0.00401	MDL	Unit mg/Kg	<u>D</u>	08/10/23 09:33  Prepared	08/10/23 21:53  Analyzed  08/11/23 11:23	Dil Fac
1,4-Difluorobenzene (Surr)  Method: TAL SOP Total BTEX Analyte  Total BTEX  Method: SW846 8015 NM - Die	- Total BTEX Cald Result <0.00401	Culation Qualifier	RL 0.00401	MDL		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Cald Result <0.00401 sel Range Organ	Culation Qualifier	RL 0.00401	MDL MDL	mg/Kg	<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die	- Total BTEX Cald Result <0.00401 sel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00401		mg/Kg	<u> </u>	Prepared	Analyzed 08/11/23 11:23	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00401 sel Range Organ Result <50.3	Qualifier U ics (DRO) ( Qualifier U	RL 0.00401 ——————————————————————————————————		mg/Kg	<u> </u>	Prepared	Analyzed  08/11/23 11:23  Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte Total TPH  Method: SW846 8015B NM - D	- Total BTEX Cald Result <0.00401  sel Range Organ Result <50.3  iesel Range Orga	Qualifier U ics (DRO) ( Qualifier U	RL 0.00401 ——————————————————————————————————		mg/Kg  Unit mg/Kg	<u> </u>	Prepared	Analyzed  08/11/23 11:23  Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte	- Total BTEX Cald Result <0.00401  sel Range Organ Result <50.3  iesel Range Orga	Culation Qualifier U  ics (DRO) ( Qualifier U  unics (DRO) Qualifier	RL 0.00401  GC)  RL 50.3	MDL	mg/Kg  Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed  08/11/23 11:23  Analyzed  08/14/23 17:39	Dil Fac

Client: Carmona Resources

Job ID: 880-31826-1

SDG: Eddy County, New Mexico

Client Sample ID: S-11 (0-0.5')

Project/Site: Deep Elm AST Spill (Pipeline Road)

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

Lab Sample ID: 880-31826-11

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/10/23 11:20	08/11/23 20:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130				08/10/23 11:20	08/11/23 20:39	1
o-Terphenyl	124		70 - 130				08/10/23 11:20	08/11/23 20:39	1

Method: EPA 300.0 - Anions, Ion Cl	hromatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5570		49.9		mg/Kg			08/10/23 12:42	10

Client Sample ID: S-12 (0-1.0')

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

Lab Sample ID: 880-31826-12

**Matrix: Solid** 

Method: SV	V846 8021B -	Volatile Or	ganic Com	pounds (GC)

Method: SW846 8021B - Volat	lie Organic Comp	ounas (GC	)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/10/23 09:33	08/10/23 22:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/10/23 09:33	08/10/23 22:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/10/23 09:33	08/10/23 22:14	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/10/23 09:33	08/10/23 22:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/10/23 09:33	08/10/23 22:14	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/10/23 09:33	08/10/23 22:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				08/10/23 09:33	08/10/23 22:14	1

Surrogate	%Recovery Q	Qualifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107	70 - 130	08/10/23 09:33	08/10/23 22:14	1
1,4-Difluorobenzene (Surr)	104	70 - 130	08/10/23 09:33	08/10/23 22:14	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			08/11/23 11:23	1

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

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3 U	50.3	mg/Kg			08/14/23 17:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.3	U	50.3		mg/Kg		08/10/23 11:20	08/11/23 21:46	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.3	U	50.3		mg/Kg		08/10/23 11:20	08/11/23 21:46	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/10/23 11:20	08/11/23 21:46	1

	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	1-Chlorooctane	157	S1+	70 - 130	08/10/23 11:20	08/11/23 21:46	1
Į	o-Terphenyl	138	S1+	70 - 130	08/10/23 11:20	08/11/23 21:46	1

#### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9850		101		mg/Kg			08/10/23 12:48	20

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-31826-13

Matrix: Solid

Client Sample ID: S-13	(0-1.0')
Date Collected: 08/07/23 00:	00

Date Received: 08/09/23 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/10/23 09:33	08/10/23 22:34	
Toluene	<0.00199	U	0.00199		mg/Kg		08/10/23 09:33	08/10/23 22:34	
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		08/10/23 09:33	08/10/23 22:34	•
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/10/23 09:33	08/10/23 22:34	
o-Xylene	< 0.00199	U	0.00199		mg/Kg		08/10/23 09:33	08/10/23 22:34	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/10/23 09:33	08/10/23 22:34	•
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	81		70 - 130				08/10/23 09:33	08/10/23 22:34	
1,4-Difluorobenzene (Surr)	66	S1-	70 - 130				08/10/23 09:33	08/10/23 22:34	
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Analyte	itoouit	Qualifici							
Total BTEX  Method: SW846 8015 NM - Diese	<0.00398	U	0.00398		mg/Kg			08/11/23 11:23	
Total BTEX  Method: SW846 8015 NM - Diese	<0.00398	ics (DRO) (	0.00398 GC)		mg/Kg			08/11/23 11:23	
Total BTEX	<0.00398	ics (DRO) ( Qualifier	0.00398				Prepared		Dil Fa
Total BTEX  Method: SW846 8015 NM - Diese  Analyte	<0.00398  I Range Organ Result	ics (DRO) ( Qualifier	0.00398 GC)		mg/Kg	<u>D</u>		08/11/23 11:23  Analyzed	Dil Fa
Total BTEX  Method: SW846 8015 NM - Diese  Analyte  Total TPH	<0.00398  I Range Organ Result <50.4	ics (DRO) ( Qualifier	0.00398  GC)  RL  50.4		mg/Kg	<u>D</u>		08/11/23 11:23  Analyzed	Dil Fa
Total BTEX  Method: SW846 8015 NM - Diese Analyte  Total TPH  Method: SW846 8015B NM - Diese Analyte	<0.00398  I Range Organ Result <p>&lt;50.4</p> sel Range Orga	ics (DRO) ( Qualifier	0.00398  GC)  RL  50.4	MDL	mg/Kg	<u>D</u>		08/11/23 11:23  Analyzed	Dil Fa
Total BTEX  Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	<0.00398  I Range Organ Result <p>&lt;50.4</p> sel Range Orga	ics (DRO) ( Qualifier U  unics (DRO) Qualifier	0.00398  GC)  RL  50.4  (GC)	MDL	mg/Kg  Unit mg/Kg		Prepared	08/11/23 11:23  Analyzed  08/14/23 17:39	Dil Fa
Total BTEX  Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	<0.00398  I Range Organ Result <p>&lt;50.4</p> sel Range Orga Result <50.4	ics (DRO) ( Qualifier U  unics (DRO) Qualifier U	0.00398  GC)  RL  50.4  (GC)  RL  50.4	MDL	mg/Kg  Unit mg/Kg  Unit mg/Kg		Prepared  Prepared  08/10/23 11:20	08/11/23 11:23  Analyzed  08/14/23 17:39  Analyzed  08/11/23 22:09	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<0.00398  I Range Organ Result <p>&lt;50.4</p> sel Range Orga Result	ics (DRO) ( Qualifier U  unics (DRO) Qualifier U	0.00398  GC)  RL  50.4  (GC)  RL	MDL	mg/Kg  Unit mg/Kg  Unit		Prepared Prepared	08/11/23 11:23  Analyzed  08/14/23 17:39  Analyzed	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<0.00398  I Range Organ Result <50.4  sel Range Orga Result <50.4  <50.4	ics (DRO) ( Qualifier U  unics (DRO) Qualifier U	0.00398  GC)  RL  50.4  (GC)  RL  50.4	MDL	mg/Kg  Unit mg/Kg  Unit mg/Kg  mg/Kg		Prepared  Prepared  08/10/23 11:20  08/10/23 11:20	Analyzed 08/11/23 17:39  Analyzed 08/14/23 17:39  Analyzed 08/11/23 22:09 08/11/23 22:09	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<0.00398  I Range Organ Result <p>&lt;50.4</p> sel Range Orga Result <50.4	ics (DRO) ( Qualifier U  unics (DRO) Qualifier U	0.00398  GC)  RL  50.4  (GC)  RL  50.4	MDL	mg/Kg  Unit mg/Kg  Unit mg/Kg		Prepared  Prepared  08/10/23 11:20	08/11/23 11:23  Analyzed  08/14/23 17:39  Analyzed  08/11/23 22:09	Dil Fa
Total BTEX  Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	<0.00398  I Range Organ Result <50.4  sel Range Orga Result <50.4  <50.4	ics (DRO) ( Qualifier U  unics (DRO) Qualifier U  U	0.00398  GC)  RL  50.4  (GC)  RL  50.4	MDL	mg/Kg  Unit mg/Kg  Unit mg/Kg  mg/Kg		Prepared  Prepared  08/10/23 11:20  08/10/23 11:20	Analyzed 08/11/23 17:39  Analyzed 08/14/23 17:39  Analyzed 08/11/23 22:09 08/11/23 22:09	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<0.00398  I Range Organ Result <50.4  sel Range Orga Result <50.4 <50.4 <50.4	ics (DRO) ( Qualifier U  unics (DRO) Qualifier U  U  Qualifier	0.00398  GC)  RL  50.4  (GC)  RL  50.4  50.4	MDL	mg/Kg  Unit mg/Kg  Unit mg/Kg  mg/Kg		Prepared  Prepared  08/10/23 11:20  08/10/23 11:20  08/10/23 11:20	08/11/23 11:23  Analyzed 08/14/23 17:39  Analyzed 08/11/23 22:09 08/11/23 22:09 08/11/23 22:09	Dil Fa

Client Sample ID: S-13 (1.5')

Date Collected: 08/07/23 00:00

Date Received: 08/09/23 09:00

Analyte

Chloride

Lab Sample ID:	880-31826-14

Analyzed

08/10/23 12:53

**Matrix: Solid** 

Dil Fac

10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/10/23 09:33	08/10/23 22:55	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/10/23 09:33	08/10/23 22:55	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/10/23 09:33	08/10/23 22:55	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/10/23 09:33	08/10/23 22:55	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/10/23 09:33	08/10/23 22:55	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/10/23 09:33	08/10/23 22:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130				08/10/23 09:33	08/10/23 22:55	1
1.4-Difluorobenzene (Surr)	77		70 - 130				08/10/23 09:33	08/10/23 22:55	1

RL

50.3

MDL Unit

mg/Kg

D

Prepared

Result Qualifier

4690

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-31826-14

Client Sample ID: S-13 (1.5')

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/11/23 11:23	1
Method: SW846 8015 NM - Diese	Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			08/14/23 17:39	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.1	U	50.1		mg/Kg		08/10/23 11:20	08/11/23 22:32	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.1	U	50.1		mg/Kg		08/10/23 11:20	08/11/23 22:32	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/10/23 11:20	08/11/23 22:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	157	S1+	70 - 130				08/10/23 11:20	08/11/23 22:32	1
o-Terphenyl	138	S1+	70 - 130				08/10/23 11:20	08/11/23 22:32	1
Method: EPA 300.0 - Anions, Ion	Chromatogran	hv - Solubl	e						
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4890		50.2		mg/Kg			08/10/23 13:10	10

Client Sample ID: S-13 (2.0') Lab Sample ID: 880-31826-15 **Matrix: Solid** 

Date Collected: 08/07/23 00:00

Date Received: 08/09/23 09:00

1,4-Difluorobenzene (Surr)

Method: SW846 8021B - Volatil	e Organic Comp	ounds (GC	)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/10/23 09:33	08/10/23 23:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/10/23 09:33	08/10/23 23:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/10/23 09:33	08/10/23 23:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/10/23 09:33	08/10/23 23:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/10/23 09:33	08/10/23 23:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/10/23 09:33	08/10/23 23:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130				08/10/23 09:33	08/10/23 23:15	1

Method: TAL SOP Total BTEX - Tot	tal BTEX Cald	ulation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			08/11/23 11:23	1

70 - 130

73

Method: SW846 8015 NM - Diesel I	Range Organ	ics (DRO) (G	iC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/14/23 17:39	1

Method: SW846 8015B NM - Die	sel Range Orga	nics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	Ū	49.7		mg/Kg		08/10/23 11:20	08/11/23 22:55	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/10/23 11:20	08/11/23 22:55	1

**Eurofins Midland** 

08/10/23 09:33

08/10/23 23:15

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-31826-15 Client Sample ID: S-13 (2.0')

Matrix: Solid

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

Analyte	Result	Qualifier	RL	MDL Uni	it D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.7	U	49.7	mg/	g/Kg	08/10/23 11:20	08/11/23 22:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	173	S1+	70 - 130			08/10/23 11:20	08/11/23 22:55	1
o-Terphenyl	152	S1+	70 <sub>-</sub> 130			08/10/23 11:20	08/11/23 22:55	1

Method: EPA 300.0 - Anions, Ion Cl	hromatograph	ny - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4840		50.0		mg/Kg			08/10/23 13:16	10

Client Sample ID: S-13 (3.0') Lab Sample ID: 880-31826-16

Date Collected: 08/07/23 00:00 Matrix: Solid

Date Received: 08/09/23 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/10/23 09:33	08/10/23 23:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/10/23 09:33	08/10/23 23:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/10/23 09:33	08/10/23 23:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/10/23 09:33	08/10/23 23:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/10/23 09:33	08/10/23 23:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/10/23 09:33	08/10/23 23:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				08/10/23 09:33	08/10/23 23:36	1
1,4-Difluorobenzene (Surr)	75		70 - 130				08/10/23 09:33	08/10/23 23:36	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/11/23 11:23	1
- Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/14/23 17:39	1
- Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		08/10/23 11:20	08/11/23 23:17	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		08/10/23 11:20	08/11/23 23:17	1
C10-C28) OII Range Organics (Over C28-C36)	<49.9	11	49.9		malka		08/10/23 11:20	08/11/23 23:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/10/23 11:20	06/11/23 23:17	'
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	152	S1+	70 - 130				08/10/23 11:20	08/11/23 23:17	1
o-Terphenyl	136	S1+	70 - 130				08/10/23 11:20	08/11/23 23:17	1
-		hu Calubi							
Method: EPA 300.0 - Anions, Ion	Chromatograp	my - Solubi	е						
Method: EPA 300.0 - Anions, Ion Analyte	• .	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1 SDG: Eddy County, New Mexico

Lab Sample ID: 880-31826-17

Matrix: Solid

Client Sample ID: S-14	(0-1.0')
Data Callagtade 09/07/22 00:	00

Date Received: 08/09/23 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/10/23 09:33	08/10/23 23:56	-
Toluene	< 0.00199	U	0.00199		mg/Kg		08/10/23 09:33	08/10/23 23:56	
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		08/10/23 09:33	08/10/23 23:56	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/10/23 09:33	08/10/23 23:56	
o-Xylene	< 0.00199	U	0.00199		mg/Kg		08/10/23 09:33	08/10/23 23:56	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/10/23 09:33	08/10/23 23:56	•
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	81		70 - 130				08/10/23 09:33	08/10/23 23:56	
1,4-Difluorobenzene (Surr)	72		70 - 130				08/10/23 09:33	08/10/23 23:56	
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/11/23 11:23	
Method: SW846 8015 NM - Die:	sel Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Analyte					mg/Kg			08/14/23 17:39	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		08/10/23 11:20	08/11/23 23:40	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		08/10/23 11:20	08/11/23 23:40	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/10/23 11:20	08/11/23 23:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	162	S1+	70 - 130				08/10/23 11:20	08/11/23 23:40	1
o-Terphenyl	142	S1+	70 - 130				08/10/23 11:20	08/11/23 23:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble											
	Analyte	Result	Qualifier	RL	MDL	Unit	D	)	Prepared	Analyzed	Dil Fac
	Chloride	4490		24.8		mg/Kg				08/10/23 13:28	5

**Client Sample ID: S-15 (0-1.0')** 

Lab Sample ID: 880-31826-18 **Matrix: Solid** 

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/10/23 09:33	08/11/23 00:17	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/10/23 09:33	08/11/23 00:17	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/10/23 09:33	08/11/23 00:17	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/10/23 09:33	08/11/23 00:17	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/10/23 09:33	08/11/23 00:17	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/10/23 09:33	08/11/23 00:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130				08/10/23 09:33	08/11/23 00:17	1
1,4-Difluorobenzene (Surr)	69	S1-	70 - 130				08/10/23 09:33	08/11/23 00:17	1

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-31826-18

Matrix: Solid

**Client Sample ID: S-15 (0-1.0')** 

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

lethod: TAL SOP Total BTEX - Total	BTEX Cale	culation							
nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
otal BTEX	<0.00402	U	0.00402		mg/Kg			08/11/23 11:23	1
	-		•						
nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
otal TPH	<50.0	U	50.0		mg/Kg			08/14/23 17:39	1
	nalyte tal BTEX ethod: SW846 8015 NM - Diesel Ra nalyte	nalyte Result stal BTEX <0.00402 ethod: SW846 8015 NM - Diesel Range Organ nalyte Result	nalyte Result Qualifier  tal BTEX <0.00402 U  ethod: SW846 8015 NM - Diesel Range Organics (DRO) (Organize Result Qualifier)	Result   Qualifier   RL	nalyte         Result         Qualifier         RL         MDL           stal BTEX         <0.00402         U         0.00402         0.00402           ethod: SW846 8015 NM - Diesel Range Organics (DRO) (GC)           nalyte         Result         Qualifier         RL         MDL	column   C	Result   Qualifier   RL   MDL   Unit   D	rethod: SW846 8015 NM - Diesel Range Organics (DRO) (GC) relyte Result Qualifier RL MDL Unit mg/Kg  Prepared MDL Unit D Prepared mg/Kg	Result   Qualifier   RL   MDL   Unit   D   Prepared   Analyzed

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		08/10/23 11:20	08/12/23 00:03	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		08/10/23 11:20	08/12/23 00:03	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/10/23 11:20	08/12/23 00:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	153	S1+	70 - 130				08/10/23 11:20	08/12/23 00:03	1
o-Terphenyl	134	S1+	70 - 130				08/10/23 11:20	08/12/23 00:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	3870		25.1		mg/Kg			08/10/23 13:33	5

Client Sample ID: S-15 (1.5') Lab Sample ID: 880-31826-19 Date Collected: 08/07/23 00:00 **Matrix: Solid** 

Date Received: 08/09/23 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/10/23 09:33	08/11/23 00:37	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/10/23 09:33	08/11/23 00:37	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/10/23 09:33	08/11/23 00:37	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/10/23 09:33	08/11/23 00:37	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/10/23 09:33	08/11/23 00:37	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/10/23 09:33	08/11/23 00:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				08/10/23 09:33	08/11/23 00:37	1
			70 - 130	MD			08/10/23 09:33	08/11/23 00:37	
Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald	Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	08/10/23 09:33 Prepared	Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00404	<b>Qualifier</b> U	RL 0.00404	MDL	Unit mg/Kg	<u>D</u>			Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00404 sel Range Organ	Qualifier U	RL		mg/Kg		Prepared	Analyzed 08/11/23 11:23	1
Method: TAL SOP Total BTEX Analyte	- Total BTEX Calc Result <0.00404 sel Range Organ	Qualifier U ics (DRO) ( Qualifier	RL 0.00404		mg/Kg	<u>D</u>		Analyzed	Dil Fac  Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte Total TPH  Method: SW846 8015B NM - Die	- Total BTEX Calc Result <0.00404 sel Range Organ Result <50.3 iesel Range Orga	Qualifier U ics (DRO) ( Qualifier U nics (DRO)	RL 0.00404  GC)  RL 50.3	MDL	mg/Kg  Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 08/11/23 11:23  Analyzed 08/14/23 17:39	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte Total TPH  Method: SW846 8015B NM - Di Analyte	- Total BTEX Calc Result <0.00404  sel Range Organ Result <50.3  iesel Range Orga Result	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00404 ———————————————————————————————	MDL	mg/Kg		Prepared Prepared	Analyzed 08/11/23 11:23 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00404 sel Range Organ Result <50.3 iesel Range Orga	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00404  GC)  RL 50.3	MDL	mg/Kg  Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 08/11/23 11:23  Analyzed 08/14/23 17:39	Dil Fac

Job ID: 880-31826-1

Client: Carmona Resources Project/Site: Deep Elm AST Spill (Pipeline Road) SDG: Eddy County, New Mexico

Lab Sample ID: 880-31826-19

Client Sample ID: S-15 (1.5')

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.3	U	50.3	mg/Kg		08/10/23 11:20	08/12/23 00:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	149	S1+	70 - 130			08/10/23 11:20	08/12/23 00:26	1
o-Terphenyl	132	S1+	70 - 130			08/10/23 11:20	08/12/23 00:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac 4660 50.5 08/10/23 13:39 10 Chloride mg/Kg

Client Sample ID: S-15 (2.0') Lab Sample ID: 880-31826-20

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

**Matrix: Solid** 

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/10/23 09:33	08/11/23 00:58	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/10/23 09:33	08/11/23 00:58	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/10/23 09:33	08/11/23 00:58	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/10/23 09:33	08/11/23 00:58	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/10/23 09:33	08/11/23 00:58	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/10/23 09:33	08/11/23 00:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130				08/10/23 09:33	08/11/23 00:58	1
1,4-Difluorobenzene (Surr)	75		70 - 130				08/10/23 09:33	08/11/23 00:58	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			08/11/23 11:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
l	Total TPH	<50.4	U	50.4		mg/Kg			08/14/23 17:39	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.4	U	50.4		mg/Kg		08/10/23 11:20	08/12/23 00:48	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.4	U	50.4		mg/Kg		08/10/23 11:20	08/12/23 00:48	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/10/23 11:20	08/12/23 00:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	172	S1+	70 - 130				08/10/23 11:20	08/12/23 00:48	1
o-Terphenvl	150	S1+	70 - 130				08/10/23 11:20	08/12/23 00:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	4670		49.9		mg/Kg			08/10/23 13:56	10

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1 SDG: Eddy County, New Mexico

Lab Sample ID: 880-31826-21

Matrix: Solid

Client Sample ID: S-15 (3.0')

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/10/23 11:41	08/11/23 06:45	
Toluene	<0.00201	U	0.00201		mg/Kg		08/10/23 11:41	08/11/23 06:45	•
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/10/23 11:41	08/11/23 06:45	•
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/10/23 11:41	08/11/23 06:45	,
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/10/23 11:41	08/11/23 06:45	,
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/10/23 11:41	08/11/23 06:45	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	82		70 - 130				08/10/23 11:41	08/11/23 06:45	
1,4-Difluorobenzene (Surr)	70		70 - 130				08/10/23 11:41	08/11/23 06:45	:
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/11/23 11:23	
Method: SW846 8015 NM - Diese	•	. , ,	•						
- -	•	ics (DRO) (	GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte	•	Qualifier	•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 08/14/23 17:39	
Method: SW846 8015 NM - Diese Analyte Total TPH	<b>Result</b> <50.1	Qualifier U	<b>RL</b> 50.1	MDL		<u>D</u>	Prepared		
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	Result <50.1	Qualifier U	<b>RL</b> 50.1			<u>D</u>	Prepared Prepared		
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	Result <50.1	Qualifier Unics (DRO) Qualifier	RL 50.1		mg/Kg			08/14/23 17:39	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte  Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.1 sel Range Orga	Qualifier U nics (DRO) Qualifier U	RL 50.1 (GC)		mg/Kg		Prepared	08/14/23 17:39  Analyzed	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.1  sel Range Orga Result <50.1	Qualifier U  nics (DRO) Qualifier U	RL     50.1       (GC)		mg/Kg  Unit mg/Kg		Prepared 08/10/23 11:20	08/14/23 17:39  Analyzed  08/12/23 01:34	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result	Qualifier U  nics (DRO) Qualifier U  U	RL 50.1  (GC)  RL 50.1  50.1		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 08/10/23 11:20 08/10/23 11:20	08/14/23 17:39  Analyzed  08/12/23 01:34  08/12/23 01:34	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)  Surrogate	Result	Qualifier U  nics (DRO) Qualifier U  U	RL 50.1  (GC)  RL 50.1  50.1  50.1		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 08/10/23 11:20 08/10/23 11:20 08/10/23 11:20	08/14/23 17:39  Analyzed 08/12/23 01:34 08/12/23 01:34	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane	Result	Qualifier U  nics (DRO) Qualifier U  U  Qualifier	RL     50.1		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 08/10/23 11:20 08/10/23 11:20 08/10/23 11:20 Prepared	08/14/23 17:39  Analyzed 08/12/23 01:34 08/12/23 01:34 08/12/23 01:34  Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane o-Terphenyl	Result   <50.1	Qualifier U  nics (DRO) Qualifier U  U  Qualifier S1+	RL 50.1  (GC)  RL 50.1  50.1  50.1  Limits  70 - 130  70 - 130		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 08/10/23 11:20 08/10/23 11:20 08/10/23 11:20  Prepared 08/10/23 11:20	08/14/23 17:39  Analyzed 08/12/23 01:34  08/12/23 01:34  Analyzed  08/12/23 01:34	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)  Surrogate	Result	Qualifier U  nics (DRO) Qualifier U  U  Qualifier S1+	RL 50.1  (GC)  RL 50.1  50.1  50.1  Limits  70 - 130  70 - 130	MDL	mg/Kg  Unit mg/Kg  mg/Kg		Prepared 08/10/23 11:20 08/10/23 11:20 08/10/23 11:20  Prepared 08/10/23 11:20	08/14/23 17:39  Analyzed 08/12/23 01:34  08/12/23 01:34  Analyzed  08/12/23 01:34	Dil Fac

Client Sample ID: S-16 (0-1.0') Lab Sample ID: 880-31826-22

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/10/23 11:41	08/11/23 07:06	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/10/23 11:41	08/11/23 07:06	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/10/23 11:41	08/11/23 07:06	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/10/23 11:41	08/11/23 07:06	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/10/23 11:41	08/11/23 07:06	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/10/23 11:41	08/11/23 07:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130				08/10/23 11:41	08/11/23 07:06	1
1,4-Difluorobenzene (Surr)	73		70 - 130				08/10/23 11:41	08/11/23 07:06	1

**Eurofins Midland** 

**Matrix: Solid** 

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-31826-22

Client Sample ID: S-16 (0-1.0')

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

Matrix: Solid

**Matrix: Solid** 

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/11/23 11:23	1
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.4	U	50.4		mg/Kg			08/14/23 17:39	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.4	U	50.4		mg/Kg		08/10/23 11:20	08/12/23 01:57	
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.4	U	50.4		mg/Kg		08/10/23 11:20	08/12/23 01:57	
C10-C28)									
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/10/23 11:20	08/12/23 01:57	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	139	S1+	70 - 130				08/10/23 11:20	08/12/23 01:57	
o-Terphenyl	124		70 - 130				08/10/23 11:20	08/12/23 01:57	
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5090		49.7		mg/Kg			08/10/23 14:18	10

Client Sample ID: S-16 (1.5') Lab Sample ID: 880-31826-23

Date Collected: 08/07/23 00:00

Date Received: 08/09/23 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/10/23 11:41	08/11/23 09:23	
Toluene	<0.00202	U	0.00202		mg/Kg		08/10/23 11:41	08/11/23 09:23	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/10/23 11:41	08/11/23 09:23	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/10/23 11:41	08/11/23 09:23	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/10/23 11:41	08/11/23 09:23	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/10/23 11:41	08/11/23 09:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				08/10/23 11:41	08/11/23 09:23	1
	59	S1-	70 <sub>-</sub> 130				08/10/23 11:41	08/11/23 09:23	1
1,4-Difluorobenzene (Surr)  Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald		70 - 730 RL	MDL	Unit	D	Prepared	Analyzed	
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation		MDI	l lait	В			
Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald	culation Qualifier		MDL	Unit mg/Kg	<u>D</u>			Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00403 seel Range Organ	culation Qualifier U	RL 0.00403		mg/Kg		Prepared	Analyzed 08/11/23 11:23	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00403 seel Range Organ Result	Qualifier U ics (DRO) (Qualifier	RL 0.00403		mg/Kg	<u>D</u>		Analyzed 08/11/23 11:23 Analyzed	Dil Fac
Method: TAL SOP Total BTEX	- Total BTEX Calc Result <0.00403 seel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00403		mg/Kg		Prepared	Analyzed 08/11/23 11:23	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00403 see Range Organ Result <50.0	Qualifier U  ics (DRO) ( Qualifier U	RL 0.00403  GC) RL 50.0		mg/Kg		Prepared	Analyzed 08/11/23 11:23 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00403 seel Range Organ Result <50.0 iesel Range Organ	Qualifier U  ics (DRO) ( Qualifier U	RL 0.00403  GC) RL 50.0	MDL	mg/Kg		Prepared	Analyzed 08/11/23 11:23 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte Total TPH  Method: SW846 8015B NM - D	- Total BTEX Calc Result <0.00403 seel Range Organ Result <50.0 iesel Range Organ	Qualifier U  ics (DRO) ( Qualifier U  nics (DRO) Qualifier Qualifier	RL 0.00403  GC)  RL 50.0	MDL	mg/Kg  Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed  08/11/23 11:23  Analyzed  08/14/23 17:39	Dil Fac

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1

SDG: Eddy County, New Mexico

**Client Sample ID: S-16 (1.5')** 

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

Lab Sample ID: 880-31826-23

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/10/23 11:20	08/12/23 02:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	145	S1+	70 - 130				08/10/23 11:20	08/12/23 02:20	1
o-Terphenyl	129		70 - 130				08/10/23 11:20	08/12/23 02:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result Qualifier	RL	MDL U	nit D	Prepared	Analyzed	Dil Fac	
	Chloride	5820	50.4	m	g/Kg		08/10/23 14:24	10	

Client Sample ID: S-16 (2.0')

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

Lab Sample ID: 880-31826-24

**Matrix: Solid** 

Method: SW846 8021B - Volat	ile Organic Comp	ounds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/10/23 11:41	08/11/23 09:44	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/10/23 11:41	08/11/23 09:44	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/10/23 11:41	08/11/23 09:44	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/10/23 11:41	08/11/23 09:44	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/10/23 11:41	08/11/23 09:44	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/10/23 11:41	08/11/23 09:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130				08/10/23 11:41	08/11/23 09:44	1
1 4-Difluorobenzene (Surr)	93		70 - 130				08/10/23 11:41	08/11/23 09:44	1

Surrogate	%Recovery	Quaimer	Limits	Prepared	Analyzea	DII Fac
4-Bromofluorobenzene (Surr)	77		70 - 130	08/10/23 11:41	08/11/23 09:44	1
1,4-Difluorobenzene (Surr)	93		70 - 130	08/10/23 11:41	08/11/23 09:44	1

Method:	TAL SOP	Total BTEX	- Total BTEX	Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/11/23 11:23	1

Method: SW846 8015 NM	- Diesel Range (	Organics	(DRO) (G	C)
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Analyte	Result Qualifie	er RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6 U	49.6	mg/Kg			08/14/23 17:39	1

Metriod. 344040 00 13D NW - Dies	ser italige Orga	illics (Bito)	(00)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/10/23 11:20	08/12/23 02:42	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/10/23 11:20	08/12/23 02:42	1
Oll Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/10/23 11:20	08/12/23 02:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	151	S1+	70 - 130	08/10/23 11:20	08/12/23 02:42	1
o-Terphenyl	133	S1+	70 - 130	08/10/23 11:20	08/12/23 02:42	1

#### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6920		50.0		mg/Kg			08/10/23 14:30	10

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1 SDG: Eddy County, New Mexico

Lab Sample ID: 880-31826-25

Matrix: Solid

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

**Client Sample ID: S-17 (0-1.0')** 

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/10/23 11:41	08/11/23 10:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/10/23 11:41	08/11/23 10:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/10/23 11:41	08/11/23 10:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/10/23 11:41	08/11/23 10:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/10/23 11:41	08/11/23 10:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/10/23 11:41	08/11/23 10:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130				08/10/23 11:41	08/11/23 10:04	1
1,4-Difluorobenzene (Surr)	71		70 - 130				08/10/23 11:41	08/11/23 10:04	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	ulation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte		ics (DRO) ( Qualifier	GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	Qualifier	RL	MDL		<u>D</u>	Prepared		Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			08/14/23 17:39	
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	
Gasoline Range Organics							•	Allalyzou	Dil Fac
5 5	<50.2	U	50.2		mg/Kg		08/10/23 11:20	08/12/23 03:05	Dil Fac
(GRO)-C6-C10 Diesel Range Organics (Over	<50.2 <50.2		50.2		mg/Kg		08/10/23 11:20 08/10/23 11:20		
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)		U						08/12/23 03:05	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<50.2	U U	50.2		mg/Kg		08/10/23 11:20	08/12/23 03:05 08/12/23 03:05	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)  Surrogate	<50.2 <50.2	U U <b>Qualifier</b>	50.2 50.2		mg/Kg		08/10/23 11:20 08/10/23 11:20	08/12/23 03:05 08/12/23 03:05 08/12/23 03:05	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane	<50.2 <50.2 <b>%Recovery</b> 152	U U <b>Qualifier</b>	50.2 50.2 <i>Limits</i>		mg/Kg		08/10/23 11:20 08/10/23 11:20 <b>Prepared</b>	08/12/23 03:05 08/12/23 03:05 08/12/23 03:05 <b>Analyzed</b>	1 Dil Fac
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane o-Terphenyl  Method: EPA 300.0 - Anions, Ion	<50.2 <50.2 **Recovery  152  135	U  Qualifier  S1+ S1+	50.2 50.2 Limits 70 - 130 70 - 130		mg/Kg		08/10/23 11:20 08/10/23 11:20 Prepared 08/10/23 11:20	08/12/23 03:05 08/12/23 03:05 08/12/23 03:05 Analyzed 08/12/23 03:05	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane o-Terphenyl	<50.2 <50.2 **Recovery 152 135 **Chromatograp	U  Qualifier  S1+ S1+	50.2 50.2 Limits 70 - 130 70 - 130	MDL	mg/Kg	D	08/10/23 11:20 08/10/23 11:20 Prepared 08/10/23 11:20	08/12/23 03:05 08/12/23 03:05 08/12/23 03:05 Analyzed 08/12/23 03:05	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Client Sample ID: S-17 (1.5') Lab Sample ID: 880-31826-26 Date Collected: 08/07/23 00:00 **Matrix: Solid** 

Date Received: 08/09/23 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/10/23 11:41	08/11/23 10:25	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/10/23 11:41	08/11/23 10:25	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/10/23 11:41	08/11/23 10:25	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		08/10/23 11:41	08/11/23 10:25	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/10/23 11:41	08/11/23 10:25	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/10/23 11:41	08/11/23 10:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130				08/10/23 11:41	08/11/23 10:25	1
1.4-Difluorobenzene (Surr)	80		70 - 130				08/10/23 11:41	08/11/23 10:25	1

Client: Carmona Resources

Client Sample ID: S-17 (1.5')

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-31826-26

Date Collected: 08/07/23 00:00 Matrix: Solid Date Received: 08/09/23 09:00

Method: TAL SOP Total BTEX - 1						_			
Analyte	Result	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			08/11/23 11:23	1
- Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/14/23 17:39	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
-									
Method: SW846 8015B NM - Dies		nics (DRO) Qualifier	(GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	Qualifier	RL	MDL		<u>D</u>			Dil Fac
		Qualifier	. ,	MDL	Unit mg/Kg	<u>D</u>	Prepared 08/10/23 11:20	Analyzed 08/12/23 03:28	Dil Fac
Analyte Gasoline Range Organics	Result	Qualifier U	RL	MDL		<u>D</u>			Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10		Qualifier U	RL 50.4	MDL	mg/Kg	<u>D</u>	08/10/23 11:20	08/12/23 03:28	Dil Fac
Analyte  Gasoline Range Organics (GRO)-C6-C10  Diesel Range Organics (Over		Qualifier U	RL 50.4	MDL	mg/Kg	<u>D</u>	08/10/23 11:20	08/12/23 03:28	Dil Fac 1 1
Analyte  Gasoline Range Organics (GRO)-C6-C10  Diesel Range Organics (Over C10-C28)	Result   <50.4	Qualifier U U U	RL 50.4	MDL	mg/Kg	<u>D</u>	08/10/23 11:20 08/10/23 11:20	08/12/23 03:28 08/12/23 03:28	Dil Fac  1  1  1  Dil Fac

ı	Method: EPA 300.0 - Anions, Ion Ch	romatograp	hy - Soluble							
4	nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	4870		49.9		mg/Kg			08/10/23 14:41	10

70 - 130

131 S1+

Client Sample ID: S-17 (2.0') Lab Sample ID: 880-31826-27 Date Collected: 08/07/23 00:00 **Matrix: Solid** 

Date Received: 08/09/23 09:00

o-Terphenyl

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/10/23 11:41	08/11/23 10:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/10/23 11:41	08/11/23 10:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/10/23 11:41	08/11/23 10:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/10/23 11:41	08/11/23 10:45	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		08/10/23 11:41	08/11/23 10:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/10/23 11:41	08/11/23 10:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				08/10/23 11:41	08/11/23 10:45	
1,4-Difluorobenzene (Surr)	62	S1-	70 <sub>-</sub> 130				08/10/23 11:41	08/11/23 10:45	1
			70 - 130				00/10/23 11.41	00/1//20 10:40	
Method: TAL SOP Total BTEX -	· Total BTEX Cald		70 - 730 RL	MDL	Unit	D	Prepared	Analyzed	
Method: TAL SOP Total BTEX - Analyte Total BTEX	· Total BTEX Cald	culation Qualifier		MDL	Unit mg/Kg	<u>D</u>			Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX	- Total BTEX Calc Result <	Culation Qualifier	RL 0.00398	MDL		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX  Method: SW846 8015 NM - Dies	Total BTEX Calc Result <a href="#">&lt;0.00398</a> sel Range Organ	Culation Qualifier	RL 0.00398			<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte	Total BTEX Calc Result <a href="#">&lt;0.00398</a> sel Range Organ	Qualifier U ics (DRO) (Qualifier	RL 0.00398		mg/Kg	<u> </u>	Prepared	Analyzed 08/11/23 14:31	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX  Method: SW846 8015 NM - Dies Analyte Total TPH	Total BTEX Calc Result <0.00398 sel Range Organ Result <49.8	Qualifier U  ics (DRO) ( Qualifier U	RL 0.00398 GC) RL 49.8		mg/Kg	<u> </u>	Prepared	Analyzed  08/11/23 14:31  Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX  Method: SW846 8015 NM - Dies Analyte Total TPH  Method: SW846 8015B NM - Dies	Total BTEX Calc  Result <0.00398  sel Range Organ Result <49.8  esel Range Orga	Qualifier U  ics (DRO) ( Qualifier U	RL 0.00398 GC) RL 49.8	MDL	mg/Kg	<u> </u>	Prepared	Analyzed  08/11/23 14:31  Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX  Method: SW846 8015 NM - Dies Analyte	Total BTEX Calc  Result <0.00398  sel Range Organ Result <49.8  esel Range Orga	Qualifier U  ics (DRO) ( Qualifier U  nics (DRO) Qualifier Qualifier	RL 0.00398  GC)  RL 49.8	MDL	mg/Kg  Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed  08/11/23 14:31  Analyzed  08/14/23 17:39	Dil Fac

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-31826-27

Client Sample ID: S-17 (2.0') Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

Matrix: Solid

Method: SW846 8015B NM - Diesel	Range Organics (DRO) (G0	C) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	ט	Prepared	Analyzed	DII Fac
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/10/23 11:20	08/12/23 03:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	148	S1+	70 - 130				08/10/23 11:20	08/12/23 03:50	1
o-Terphenyl	131	S1+	70 - 130				08/10/23 11:20	08/12/23 03:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4190		25.1		mg/Kg			08/10/23 14:47	5

**Client Sample ID: S-18 (0-1.0')** 

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

Lab Sample ID: 880-31826-28

**Matrix: Solid** 

Method: SW846 8021B - Volatile C	lethod: 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		08/10/23 11:41	08/11/23 11:06	1			
Toluene	<0.00200	U	0.00200		mg/Kg		08/10/23 11:41	08/11/23 11:06	1			
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/10/23 11:41	08/11/23 11:06	1			
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/10/23 11:41	08/11/23 11:06	1			
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/10/23 11:41	08/11/23 11:06	1			
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/10/23 11:41	08/11/23 11:06	1			
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	96		70 - 130				08/10/23 11:41	08/11/23 11:06	1			
1,4-Difluorobenzene (Surr)	63	S1-	70 - 130				08/10/23 11:41	08/11/23 11:06	1			

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	< 0.00400	U	0.00400		ma/Ka			08/11/23 14:31	1	

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

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9 U	49.9	mg/Kg			08/14/23 17:39	1

nethod. 54040 00 13b 14m - bleser italige Organics (bito) (CO)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		08/10/23 11:20	08/12/23 04:13	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		08/10/23 11:20	08/12/23 04:13	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/10/23 11:20	08/12/23 04:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	167	S1+	70 - 130	08/10/23 11:20	08/12/23 04:13	1
o-Terphenyl	144	S1+	70 - 130	08/10/23 11:20	08/12/23 04:13	1

#### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3430		24.9		mg/Kg			08/10/23 14:52	5

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-31826-29

Matrix: Solid

08/10/23 11:20

08/12/23 04:35

Lab Sample ID: 880-31826-30

<b>Date Collected:</b>	08/07/23 00:00
Date Received:	08/09/23 09:00

Client Sample ID: S-18 (1.5')

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/10/23 11:41	08/11/23 11:26	
Toluene	< 0.00199	U	0.00199		mg/Kg		08/10/23 11:41	08/11/23 11:26	•
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		08/10/23 11:41	08/11/23 11:26	•
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/10/23 11:41	08/11/23 11:26	,
o-Xylene	< 0.00199	U	0.00199		mg/Kg		08/10/23 11:41	08/11/23 11:26	,
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/10/23 11:41	08/11/23 11:26	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	96		70 - 130				08/10/23 11:41	08/11/23 11:26	
1,4-Difluorobenzene (Surr)	77		70 - 130				08/10/23 11:41	08/11/23 11:26	•
Total BTEX	<0.00398		0.00398		mg/Kg			08/11/23 14:31	
Method: SW846 8015 NM - Diese Analyte		ICS (DRO) ( Qualifier	GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1		50.1	WIDE	mg/Kg			08/14/23 17:39	DII Fac
	sel Range Orga	nics (DRO	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		08/10/23 11:20	08/12/23 04:35	
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		08/10/23 11:20	08/12/23 04:35	
Oll Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/10/23 11:20	08/12/23 04:35	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride 571 4.99 mg/Kg 08/10/23 02:00

70 - 130

122

Client Sample ID: S-18 (2.0')

o-Terphenyl

Date Collected: 08/07/23 00:00

Date Received: 08/09/23 09:00

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

– Method: SW846 8021B - Volati	le Organic Comp	ounds (GC	)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/10/23 11:41	08/11/23 11:47	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/10/23 11:41	08/11/23 11:47	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/10/23 11:41	08/11/23 11:47	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/10/23 11:41	08/11/23 11:47	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/10/23 11:41	08/11/23 11:47	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/10/23 11:41	08/11/23 11:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				08/10/23 11:41	08/11/23 11:47	1
1,4-Difluorobenzene (Surr)	62	S1-	70 - 130				08/10/23 11:41	08/11/23 11:47	1

**Eurofins Midland** 

**Matrix: Solid** 

Client: Carmona Resources

Date Received: 08/09/23 09:00

Analyte

Chloride

Project/Site: Deep Elm AST Spill (Pipeline Road)

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

803

Job ID: 880-31826-1

SDG: Eddy County, New Mexico

Client Sample ID: S-18 (2.0') Lab Sample ID: 880-31826-30 Date Collected: 08/07/23 00:00

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			08/11/23 14:31	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/14/23 17:39	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	•	• • •	• •	MDI	Unit	D	Prenared	Analyzed	Dil Fac
Analyte Gasoline Range Organics	Result	Qualifier	RL	MDL	Unit ma/Ka	<u>D</u>	Prepared 08/10/23 11:20	Analyzed	Dil Fac
Gasoline Range Organics	•	Qualifier	• •	MDL	Unit mg/Kg	<u>D</u>	Prepared 08/10/23 11:20	Analyzed 08/12/23 04:56	Dil Fac
	Result	Qualifier U	RL	MDL		<u>D</u>	<u>.</u>		Dil Fac
Gasoline Range Organics (GRO)-C6-C10		Qualifier U	RL 49.7	MDL	mg/Kg	<u>D</u>	08/10/23 11:20	08/12/23 04:56	Dil Fac
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over		Qualifier U	RL 49.7	MDL	mg/Kg	<u>D</u>	08/10/23 11:20	08/12/23 04:56	1 1 1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result   <49.7	Qualifier U U U	RL 49.7 49.7	MDL	mg/Kg	<u> </u>	08/10/23 11:20 08/10/23 11:20	08/12/23 04:56 08/12/23 04:56	Dil Fac  1  1  Dil Fac
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result  <49.7 <49.7 <49.7	Qualifier U U U Qualifier	49.7 49.7 49.7	MDL	mg/Kg	<u>D</u>	08/10/23 11:20 08/10/23 11:20 08/10/23 11:20	08/12/23 04:56 08/12/23 04:56 08/12/23 04:56	1 1

RL

5.01

MDL Unit

mg/Kg

Prepared

Analyzed

08/10/23 02:05

# **Surrogate Summary**

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1

SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limit
		BFB1	DFBZ1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
80-31826-1	S-1 (0-1.0')	100	106	
80-31826-1 MS	S-1 (0-1.0')	113	125	
80-31826-1 MSD	S-1 (0-1.0')	112	100	
0-31826-2	S-2 (0-1.0')	84	77	
0-31826-3	S-3 (0-1.0')	88	62 S1-	
0-31826-4	S-4 (0-1.0')	78	98	
0-31826-5	S-5 (0-1.0')	82	93	
0-31826-6	S-6 (0-1.0')	84	75	
0-31826-7	S-7 (0-1.0')	86	71	
0-31826-8	S-8 (0-1.0')	88	73	
0-31826-9	S-9 (0-1.0')	90	60 S1-	
)-31826-10	S-10 (0-0.5')	109	96	
)-31826-11	S-11 (0-0.5')	85	66 S1-	
)-31826-12	S-12 (0-1.0')	107	104	
0-31826-13	S-13 (0-1.0')	81	66 S1-	
31826-14	S-13 (1.5')	80	77	
-31826-15	S-13 (2.0')	82	73	
-31826-16	S-13 (3.0')	105	75	
-31826-17	S-14 (0-1.0')	81	72	
31826-18	S-15 (0-1.0')	78	69 S1-	
-31826-19	S-15 (1.5')	89	70	
31826-20	S-15 (2.0')	77	75	
31826-21	S-15 (2.0)	82	70	
-31826-22	S-16 (0-1.0')	78	73	
-31826-23	S-16 (1.5')	88	59 S1-	
-31826-24	S-16 (2.0')	77	93	
-31826-25	S-17 (0-1.0')	81	93 71	
-31826-26	S-17 (0-1.0)	78	80	
-31826-27	S-17 (1.3)	91	62 S1-	
-31826-28	S-17 (2.0) S-18 (0-1.0')	96	63 S1-	
)-31826-29	S-18 (1.5')	96	77	
D-31826-29 D-31826-30	·	90	62 S1-	
S 880-59833/1-A	S-18 (2.0')	93 106	123	
	Lab Control Sample	125	113	
S 880-59852/1-A	Lab Control Sample	125	99	
SD 880-59833/2-A	Lab Control Sample Dup			
CSD 880-59852/2-A //B 880-59833/5-A //B 880-59852/5-A	Lab Control Sample Dup Method Blank Method Blank	129 71 69 S1-	116 97 83	

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)
		1001	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-31304-A-1-H MS	Matrix Spike	131 S1+	139 S1+	

# **Surrogate Summary**

Client: Carmona Resources

Job ID: 880-31826-1

Project/Site: Deep Elm AST Spill (Pipeline Road)

SDG: Eddy County, New Mexico

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

Matrix: Solid Prep Type: Total/NA

		1001	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-31304-A-1-I MSD	Matrix Spike Duplicate	116	124
880-31826-1	S-1 (0-1.0')	74	82
880-31826-2	S-2 (0-1.0')	92	105
880-31826-3	S-3 (0-1.0')	110	122
880-31826-4	S-4 (0-1.0')	97	109
880-31826-5	S-5 (0-1.0')	97	114
880-31826-6	S-6 (0-1.0')	101	113
880-31826-7	S-7 (0-1.0')	119	137 S1+
880-31826-8	S-8 (0-1.0')	103	120
880-31826-9	S-9 (0-1.0')	112	131 S1+
880-31826-10	S-10 (0-0.5')	104	123
880-31826-11	S-11 (0-0.5')	139 S1+	124
880-31826-11 MS	S-11 (0-0.5')	145 S1+	113
880-31826-11 MSD	S-11 (0-0.5')	145 S1+	108
880-31826-12	S-12 (0-1.0')	157 S1+	138 S1+
880-31826-13	S-13 (0-1.0')	139 S1+	123
880-31826-14	S-13 (1.5')	157 S1+	138 S1+
880-31826-15	S-13 (2.0')	173 S1+	152 S1+
880-31826-16	S-13 (3.0')	152 S1+	136 S1+
880-31826-17	S-14 (0-1.0')	162 S1+	142 S1+
880-31826-18	S-15 (0-1.0')	153 S1+	134 S1+
880-31826-19	S-15 (1.5')	149 S1+	132 S1+
880-31826-20	S-15 (2.0')	172 S1+	150 S1+
880-31826-21	S-15 (3.0')	143 S1+	124
880-31826-22	S-16 (0.1.0')	139 S1+	124
880-31826-23	S-16 (1.5')	145 S1+	129
880-31826-24	S-16 (2.0')	151 S1+	133 S1+
880-31826-25	S-17 (0-1.0')	152 S1+	135 S1+
880-31826-26	S-17 (0-1.0) S-17 (1.5')	147 S1+	131 S1+
880-31826-27	S-17 (1.0)	148 S1+	131 S1+
880-31826-28	S-17 (2.0) S-18 (0-1.0')	167 S1+	144 S1+
880-31826-29	S-18 (1.5')	140 S1+	122
880-31826-30	S-18 (2.0')	150 S1+	130
LCS 880-59785/2-A	Lab Control Sample	111	140 S1+
LCS 880-59849/2-A	Lab Control Sample	172 S1+	140 S1+
LCSD 880-59785/3-A	Lab Control Sample Dup	114	144 S1+
LCSD 880-59849/3-A	Lab Control Sample Dup	184 S1+	155 S1+
	Method Blank	113	
MB 880-59785/1-A MB 880-59849/1-A	Method Blank	134 S1+	136 S1+ 121

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1

SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-59833/5-A

**Matrix: Solid** 

Analysis Batch: 59869

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59833

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/10/23 09:33	08/10/23 17:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/10/23 09:33	08/10/23 17:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/10/23 09:33	08/10/23 17:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/10/23 09:33	08/10/23 17:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/10/23 09:33	08/10/23 17:04	1
Xylenes, Total	< 0.00400	U	0.00400		mg/Kg		08/10/23 09:33	08/10/23 17:04	1

MB MB

Surrogate	%Recovery	Qualifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	71	70 - 13	08/10/23 09:33	08/10/23 17:04	1
1,4-Difluorobenzene (Surr)	97	70 - 13	08/10/23 09:33	08/10/23 17:04	1

Lab Sample ID: LCS 880-59833/1-A

**Matrix: Solid** 

Analysis Batch: 59869

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

Prep Batch: 59833

	<b>Spike</b>	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09434		mg/Kg		94	70 - 130	
Toluene	0.100	0.09901		mg/Kg		99	70 - 130	
Ethylbenzene	0.100	0.09619		mg/Kg		96	70 - 130	
m-Xylene & p-Xylene	0.200	0.2125		mg/Kg		106	70 - 130	
o-Xylene	0.100	0.1037		mg/Kg		104	70 - 130	

LCS LCS

Surrogate	%Recovery Q	ualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	123		70 - 130

Lab Sample ID: LCSD 880-59833/2-A

**Matrix: Solid** 

Analysis Batch: 59869

**Client Sample ID: Lab Control Sample Dup** 

Prep Type: Total/NA Prep Batch: 59833

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.09107		mg/Kg		91	70 - 130	4	35	
Toluene	0.100	0.09909		mg/Kg		99	70 - 130	0	35	
Ethylbenzene	0.100	0.09731		mg/Kg		97	70 - 130	1	35	
m-Xylene & p-Xylene	0.200	0.2159		mg/Kg		108	70 - 130	2	35	
o-Xylene	0.100	0.1055		mg/Kg		105	70 - 130	2	35	

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1.4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-31826-1 MS

Matrix: Solid

Analysis Batch: 59869

Client Sample ID: S-1 (0-1.0')

Prep Type: Total/NA

Prep Batch: 59833

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.0998	0.09419		mg/Kg		94	70 - 130	
Toluene	<0.00200	U	0.0998	0.09376		mg/Kg		94	70 - 130	

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1

SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-31826-1 MS

**Matrix: Solid** 

Analysis Batch: 59869

Client Sample ID: S-1 (0-1.0')

Prep Type: Total/NA

Prep Batch: 59833

	Sample	Sample	Spike	MS	IVIS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Ethylbenzene	<0.00200	U	0.0998	0.08809		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1894		mg/Kg		94	70 - 130
o-Xylene	<0.00200	U	0.0998	0.09197		mg/Kg		92	70 - 130

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	113	70 - 130
1,4-Difluorobenzene (Surr)	125	70 - 130

**Client Sample ID: S-1 (0-1.0')** 

Prep Type: Total/NA

Prep Batch: 59833

Lab Sample ID: 880-31826-1 MSD **Matrix: Solid** 

**Analysis Batch: 59869** 

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.101	0.09240		mg/Kg		92	70 - 130	2	35
Toluene	<0.00200	U	0.101	0.09598		mg/Kg		95	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.101	0.09073		mg/Kg		90	70 - 130	3	35
m-Xylene & p-Xylene	<0.00399	U	0.201	0.1956		mg/Kg		97	70 - 130	3	35
o-Xylene	<0.00200	U	0.101	0.09575		mg/Kg		95	70 - 130	4	35

MSD MSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	112	70 - 130
1,4-Difluorobenzene (Surr)	100	70 - 130

Lab Sample ID: MB 880-59852/5-A

**Matrix: Solid** 

Analysis Batch: 59869

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59852

MD MD

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/10/23 11:41	08/11/23 03:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/10/23 11:41	08/11/23 03:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/10/23 11:41	08/11/23 03:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/10/23 11:41	08/11/23 03:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/10/23 11:41	08/11/23 03:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/10/23 11:41	08/11/23 03:40	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	69	S1-	70 - 130	08/10/23 11:41	08/11/23 03:40	1
1,4-Difluorobenzene (Surr)	83		70 - 130	08/10/23 11:41	08/11/23 03:40	1

Lab Sample ID: LCS 880-59852/1-A

Matrix: Solid

Analysis Batch: 59869

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

Prep Batch: 59852

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09269		mg/Kg		93	70 - 130	
Toluene	0.100	0.1027		mg/Kg		103	70 - 130	
Ethylbenzene	0.100	0.1049		mg/Kg		105	70 - 130	
m-Xylene & p-Xylene	0.200	0.2341		mg/Kg		117	70 - 130	

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1

SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-59852/1-A **Client Sample ID: Lab Control Sample** 

**Matrix: Solid** Prep Type: Total/NA Analysis Batch: 59869 Prep Batch: 59852

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits D 0.100 0 1157 116 70 - 130 o-Xylene mg/Kg

LCS LCS Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 125 70 - 130 70 - 130 1,4-Difluorobenzene (Surr) 113

Lab Sample ID: LCSD 880-59852/2-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 59869** Prep Batch: 59852

Spike LCSD LCSD RPD Analyte Added Result Qualifier Unit %Rec Limits Limit D Benzene 0.100 0.09315 mg/Kg 93 70 - 130 0 35 Toluene 0.100 0.1021 mg/Kg 102 70 - 130 35 Ethylbenzene 0.100 0.1065 mg/Kg 106 70 - 130 35 m-Xylene & p-Xylene 0.200 0.2378 mg/Kg 119 70 - 130 2 35 0.100 0.1178 70 - 130 2 35 o-Xylene mg/Kg 118

LCSD LCSD Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 129 70 - 130 1,4-Difluorobenzene (Surr) 116 70 - 130

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

Lab Sample ID: MB 880-59785/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 59901

Prep Batch: 59785 MB MB

ed Dil Fac
9:32 1
9:32 1
9:32 1
1

MB MB Dil Fac Surrogate %Recovery Qualifier Limits Prepared Analyzed 1-Chlorooctane 113 70 - 130 08/09/23 16:40 08/11/23 19:32 o-Terphenyl 136 S1+ 70 - 130 08/09/23 16:40 08/11/23 19:32

Lab Sample ID: LCS 880-59785/2-A Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 59901 Prep Batch: 59785 LCS LCS

		Spike	LCS	LCS				%Rec	
	Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
	Gasoline Range Organics	1000	945.9		mg/Kg		95	70 - 130	 
	(GRO)-C6-C10								
١	Diesel Range Organics (Over	1000	983.1		mg/Kg		98	70 - 130	
١	C10-C28)								

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1

SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-59785/2-A

Lab Sample ID: LCSD 880-59785/3-A

**Matrix: Solid** 

Analysis Batch: 59901

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

Prep Batch: 59785

LCS LCS

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 111 70 - 130 o-Terphenyl 140 S1+ 70 - 130

Client Sample ID: Lab Control Sample Dup

**Matrix: Solid** Prep Type: Total/NA Analysis Batch: 59901 Prep Batch: 59785 Spike LCSD LCSD %Rec RPD

Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit 1000 960.2 96 70 - 130 2 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 991.4 99 mg/Kg 70 - 13020

C10-C28)

LCSD LCSD Surrogate %Recovery Qualifier Limits 70 - 130 1-Chlorooctane 114 o-Terphenyl 144 S1+ 70 - 130

Lab Sample ID: 880-31304-A-1-H MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 59901

Prep Type: Total/NA

Prep Batch: 59785

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	993	1176		mg/Kg		115	70 - 130	
Diesel Range Organics (Over	51.1		993	1197		mg/Kg		115	70 - 130	
C10-C28)										

C10-C28)

MS MS %Recovery Qualifier Surrogate Limits 70 - 130 1-Chlorooctane 131 S1+ o-Terphenyl 139 S1+ 70 - 130

Lab Sample ID: 880-31304-A-1-I MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Solid** 

Analysis Batch: 59901

Released to Imaging: 3/6/2024 10:34:18 AM

Prep Type: Total/NA

Prep Batch: 59785

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<50.3	U	993	1026		mg/Kg		100	70 - 130	14	20
(GRO)-C6-C10											
Diesel Range Organics (Over	51.1		993	1064		mg/Kg		102	70 - 130	12	20
C10-C28)											

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	116		70 - 130
o-Terphenyl	124		70 - 130

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1

SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-59849/1-A

Lab Sample ID: LCS 880-59849/2-A

**Matrix: Solid** 

Analysis Batch: 59899

**Matrix: Solid** Analysis Batch: 59899 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59849

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		08/10/23 11:19	08/11/23 19:32	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		08/10/23 11:19	08/11/23 19:32	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/10/23 11:19	08/11/23 19:32	1
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130				08/10/23 11:19	08/11/23 19:32	1
o-Terphenyl	121		70 - 130				08/10/23 11:19	08/11/23 19:32	1

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

Prep Batch: 59849

LCS LCS Spike Analyte Added Result Qualifier Unit D %Rec Limits 1185 Gasoline Range Organics 1000 118 70 - 130 mg/Kg (GRO)-C6-C10 1000 1180 Diesel Range Organics (Over mg/Kg 118 70 - 130C10-C28)

LCS LCS %Recovery Qualifier Limits Surrogate 1-Chlorooctane 172 S1+ 70 - 130 o-Terphenyl 145 S1+ 70 - 130

Lab Sample ID: LCSD 880-59849/3-A Client Sample ID: Lab Control Sample Dup

**Matrix: Solid** 

Analysis Batch: 59899

Prep Type: Total/NA

Prep Batch: 59849

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1159		mg/Kg		116	70 - 130	2	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1139		mg/Kg		114	70 - 130	4	20
C10-C28)									

LCSD LCSD %Recovery Qualifier Limits Surrogate 184 S1+ 70 - 130 1-Chlorooctane 155 S1+ 70 - 130 o-Terphenyl

Lab Sample ID: 880-31826-11 MS Client Sample ID: S-11 (0-0.5')

**Matrix: Solid** Prep Type: Total/NA Analysis Batch: 59899 Prep Batch: 59849

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<50.3	U	994	1090		mg/Kg		110	70 - 130	 
(GRO)-C6-C10										
Diesel Range Organics (Over	<50.3	U F1	994	1436	F1	mg/Kg		142	70 - 130	
C10-C28)										

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1

SDG: Eddy County, New Mexico

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

MS MS

145 S1+

%Recovery Qualifier

113

Lab Sample ID: 880-31826-11 MS

Limits

70 - 130

70 - 130

**Matrix: Solid** 

Surrogate

o-Terphenyl

1-Chlorooctane

Analysis Batch: 59899

Client Sample ID: S-11 (0-0.5')

Prep Type: Total/NA

Prep Batch: 59849

Lab Sample ID: 880-31826-11 MSD Client Sample ID: S-11 (0-0.5')

**Matrix: Solid** 

Analysis Batch: 59899

Prep Type: Total/NA

Prep Batch: 59849

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit <50.3 U 994 1071 108 70 - 1302 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 994 1430 F1 <50.3 U F1 mg/Kg 141 70 - 1300 20 C10-C28)

MSD MSD

%Recovery Surrogate Qualifier Limits S1+ 70 - 130 1-Chlorooctane 145 108 70 - 130 o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-59734/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble** 

Analysis Batch: 59752

мв мв

Analyte Result Qualifier RL MDL Unit D Dil Fac Prepared Analyzed Chloride 5.00 <5.00 U mg/Kg 08/09/23 23:21

Lab Sample ID: LCS 880-59734/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble** 

**Analysis Batch: 59752** 

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 233.3 mg/Kg 93 90 - 110

Lab Sample ID: LCSD 880-59734/3-A Client Sample ID: Lab Control Sample Dup

**Matrix: Solid** 

**Analysis Batch: 59752** 

Spike LCSD LCSD %Rec RPD Result Qualifier Added Analyte Unit D %Rec Limits RPD Limit Chloride 250 233.2 mg/Kg 93 90 - 110 20

Lab Sample ID: 880-31824-A-7-C MS Client Sample ID: Matrix Spike

**Matrix: Solid** 

**Analysis Batch: 59752** 

7 many old Batolii do i da										
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	59.5	-	253	331.6		mg/Kg		108	90 - 110	

**Eurofins Midland** 

**Prep Type: Soluble** 

**Prep Type: Soluble** 

Released to Imaging: 3/6/2024 10:34:18 AM

Lab Sample ID: 880-31824-A-7-D MSD

Lab Sample ID: MB 880-59727/1-A

Lab Sample ID: LCS 880-59727/2-A

Lab Sample ID: LCSD 880-59727/3-A

Lab Sample ID: 880-31826-9 MS

Lab Sample ID: 880-31826-9 MSD

Lab Sample ID: 880-31826-19 MS

Lab Sample ID: 880-31826-19 MSD

**Matrix: Solid** 

Matrix: Solid

**Matrix: Solid** 

**Matrix: Solid** 

**Matrix: Solid** 

**Matrix: Solid** 

**Matrix: Solid** 

**Matrix: Solid** 

Analyte

Chloride

**Analysis Batch: 59752** 

**Analysis Batch: 59863** 

Analysis Batch: 59863

**Analysis Batch: 59863** 

Analysis Batch: 59863

**Analysis Batch: 59863** 

**Analysis Batch: 59863** 

**Analysis Batch: 59863** 

RPD

Limit

Dil Fac

20

### QC Sample Results

MSD MSD

Qualifier

MDL Unit

Qualifier

Qualifie

Qualifier

Qualifier

LCS LCS

LCSD LCSD

MS MS

Result

228.1

Result

226.9

Result

4142

MSD MSD

Result

4152

MS MS

MSD MSD

Qualifier

Result

7102

7115

Result Qualifier

mg/Kg

Unit

Unit

Unit

Unit

Unit

Unit

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

D

D

%Rec

Prepared

%Rec

%Rec

%Rec

%Rec

%Rec

%Rec

97

97

96

D

D

D

107

Result

330.2

Client: Carmona Resources

Method: 300.0 - Anions, Ion Chromatography (Continued)

Sample Sample

Qualifier

мв мв

<5.00 П

Sample Sample

Qualifier

Sample

Qualifier

Qualifier

Sample

Qualifier

Result

2930

Sample

Result

2930

Sample Sample

Result

4660

Sample

Result

4660

Result Qualifier

Result

59.5

Project/Site: Deep Elm AST Spill (Pipeline Road)

Spike

Added

253

Spike

Added

Spike

Added

Spike

Added

1260

Spike

Added

1260

Spike

Added

2530

Spike

Added

2530

250

250

RL

5.00

SDG: Eddy County, New Mexico

Client Sample ID: Matrix Spike Duplicate

%Rec

Limits

90 - 110

Client Sample ID: Method Blank

Analyzed

08/10/23 12:03

Client Sample ID: Lab Control Sample

%Rec

Limits

90 - 110

%Rec

Limits

90 - 110

%Rec

Limits

90 - 110

90 - 110

%Rec

Limits

90 - 110

Client Sample ID: S-9 (0-1.0')

Client Sample ID: S-9 (0-1.0')

Client Sample ID: Lab Control Sample Dup

Job ID: 880-31826-1

**Prep Type: Soluble** 

RPD

**Prep Type: Soluble** 

**Prep Type: Soluble** 

**Prep Type: Soluble** 

RPD

**Prep Type: Soluble** 

RPD

Limit

20

**Prep Type: Soluble** %Rec RPD RPD Limits Limit

Client Sample ID: S-15 (1.5') **Prep Type: Soluble** 

90 - 110

Client Sample ID: S-15 (1.5')

**Prep Type: Soluble** 

%Rec RPD Limits **RPD** Limit

**Eurofins Midland** 

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1

SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-59728/1-A

**Matrix: Solid** 

Analysis Batch: 59864

Client Sample ID: Method Blank **Prep Type: Soluble** 

MDL Unit Analyte Result Qualifier RL D Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 mg/Kg 08/10/23 15:13

мв мв

Lab Sample ID: LCS 880-59728/2-A Client Sample ID: Lab Control Sample **Matrix: Solid** 

**Prep Type: Soluble** 

Analysis Batch: 59864

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 269.7 mg/Kg 108 90 - 110

Lab Sample ID: LCSD 880-59728/3-A Client Sample ID: Lab Control Sample Dup

**Matrix: Solid Prep Type: Soluble** 

Analysis Batch: 59864

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 272.6 mg/Kg 109 90 - 110

Lab Sample ID: 880-31825-A-7-B MS Client Sample ID: Matrix Spike

**Matrix: Solid Prep Type: Soluble** 

Analysis Batch: 59864

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 36.8 F1 253 328.6 F1 116 90 - 110 mg/Kg

Lab Sample ID: 880-31825-A-7-C MSD Client Sample ID: Matrix Spike Duplicate **Prep Type: Soluble** 

**Matrix: Solid** 

Analysis Batch: 59864

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit 36.8 F1 253 328.1 F1 Chloride mg/Kg 115 90 - 110 20

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1 SDG: Eddy County, New Mexico

# **GC VOA**

Prep Batch: 59833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
880-31826-1	S-1 (0-1.0')	Total/NA	Solid	5035	
880-31826-2	S-2 (0-1.0')	Total/NA	Solid	5035	
880-31826-3	S-3 (0-1.0')	Total/NA	Solid	5035	
880-31826-4	S-4 (0-1.0')	Total/NA	Solid	5035	
880-31826-5	S-5 (0-1.0')	Total/NA	Solid	5035	
880-31826-6	S-6 (0-1.0')	Total/NA	Solid	5035	
880-31826-7	S-7 (0-1.0')	Total/NA	Solid	5035	
880-31826-8	S-8 (0-1.0')	Total/NA	Solid	5035	
880-31826-9	S-9 (0-1.0')	Total/NA	Solid	5035	
880-31826-10	S-10 (0-0.5')	Total/NA	Solid	5035	
880-31826-11	S-11 (0-0.5')	Total/NA	Solid	5035	
880-31826-12	S-12 (0-1.0')	Total/NA	Solid	5035	
880-31826-13	S-13 (0-1.0')	Total/NA	Solid	5035	
880-31826-14	S-13 (1.5')	Total/NA	Solid	5035	
880-31826-15	S-13 (2.0')	Total/NA	Solid	5035	
880-31826-16	S-13 (3.0')	Total/NA	Solid	5035	
880-31826-17	S-14 (0-1.0')	Total/NA	Solid	5035	
880-31826-18	S-15 (0-1.0')	Total/NA	Solid	5035	
880-31826-19	S-15 (1.5')	Total/NA	Solid	5035	
880-31826-20	S-15 (2.0')	Total/NA	Solid	5035	
MB 880-59833/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-59833/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-59833/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-31826-1 MS	S-1 (0-1.0')	Total/NA	Solid	5035	
880-31826-1 MSD	S-1 (0-1.0')	Total/NA	Solid	5035	

### Prep Batch: 59852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31826-21	S-15 (3.0')	Total/NA	Solid	5035	
880-31826-22	S-16 (0-1.0')	Total/NA	Solid	5035	
880-31826-23	S-16 (1.5')	Total/NA	Solid	5035	
880-31826-24	S-16 (2.0')	Total/NA	Solid	5035	
880-31826-25	S-17 (0-1.0')	Total/NA	Solid	5035	
880-31826-26	S-17 (1.5')	Total/NA	Solid	5035	
880-31826-27	S-17 (2.0')	Total/NA	Solid	5035	
880-31826-28	S-18 (0-1.0')	Total/NA	Solid	5035	
880-31826-29	S-18 (1.5')	Total/NA	Solid	5035	
880-31826-30	S-18 (2.0')	Total/NA	Solid	5035	
MB 880-59852/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-59852/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-59852/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

#### Analysis Batch: 59869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31826-1	S-1 (0-1.0')	Total/NA	Solid	8021B	59833
880-31826-2	S-2 (0-1.0')	Total/NA	Solid	8021B	59833
880-31826-3	S-3 (0-1.0')	Total/NA	Solid	8021B	59833
880-31826-4	S-4 (0-1.0')	Total/NA	Solid	8021B	59833
880-31826-5	S-5 (0-1.0')	Total/NA	Solid	8021B	59833
880-31826-6	S-6 (0-1.0')	Total/NA	Solid	8021B	59833
880-31826-7	S-7 (0-1.0')	Total/NA	Solid	8021B	59833

**Eurofins Midland** 

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Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1 SDG: Eddy County, New Mexico

## **GC VOA (Continued)**

### Analysis Batch: 59869 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31826-8	S-8 (0-1.0')	Total/NA	Solid	8021B	59833
880-31826-9	S-9 (0-1.0')	Total/NA	Solid	8021B	59833
880-31826-10	S-10 (0-0.5')	Total/NA	Solid	8021B	59833
880-31826-11	S-11 (0-0.5')	Total/NA	Solid	8021B	59833
880-31826-12	S-12 (0-1.0')	Total/NA	Solid	8021B	59833
880-31826-13	S-13 (0-1.0')	Total/NA	Solid	8021B	59833
880-31826-14	S-13 (1.5')	Total/NA	Solid	8021B	59833
880-31826-15	S-13 (2.0')	Total/NA	Solid	8021B	59833
880-31826-16	S-13 (3.0')	Total/NA	Solid	8021B	59833
880-31826-17	S-14 (0-1.0')	Total/NA	Solid	8021B	59833
880-31826-18	S-15 (0-1.0')	Total/NA	Solid	8021B	59833
880-31826-19	S-15 (1.5')	Total/NA	Solid	8021B	59833
880-31826-20	S-15 (2.0')	Total/NA	Solid	8021B	59833
880-31826-21	S-15 (3.0')	Total/NA	Solid	8021B	59852
880-31826-22	S-16 (0-1.0')	Total/NA	Solid	8021B	59852
880-31826-23	S-16 (1.5')	Total/NA	Solid	8021B	59852
880-31826-24	S-16 (2.0')	Total/NA	Solid	8021B	59852
880-31826-25	S-17 (0-1.0')	Total/NA	Solid	8021B	59852
880-31826-26	S-17 (1.5')	Total/NA	Solid	8021B	59852
880-31826-27	S-17 (2.0')	Total/NA	Solid	8021B	59852
880-31826-28	S-18 (0-1.0')	Total/NA	Solid	8021B	59852
880-31826-29	S-18 (1.5')	Total/NA	Solid	8021B	59852
880-31826-30	S-18 (2.0')	Total/NA	Solid	8021B	59852
MB 880-59833/5-A	Method Blank	Total/NA	Solid	8021B	59833
MB 880-59852/5-A	Method Blank	Total/NA	Solid	8021B	59852
LCS 880-59833/1-A	Lab Control Sample	Total/NA	Solid	8021B	59833
LCS 880-59852/1-A	Lab Control Sample	Total/NA	Solid	8021B	59852
LCSD 880-59833/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	59833
LCSD 880-59852/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	59852
880-31826-1 MS	S-1 (0-1.0')	Total/NA	Solid	8021B	59833
880-31826-1 MSD	S-1 (0-1.0')	Total/NA	Solid	8021B	59833

#### Analysis Batch: 59935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31826-1	S-1 (0-1.0')	Total/NA	Solid	Total BTEX	
880-31826-2	S-2 (0-1.0')	Total/NA	Solid	Total BTEX	
880-31826-3	S-3 (0-1.0')	Total/NA	Solid	Total BTEX	
880-31826-4	S-4 (0-1.0')	Total/NA	Solid	Total BTEX	
880-31826-5	S-5 (0-1.0')	Total/NA	Solid	Total BTEX	
880-31826-6	S-6 (0-1.0')	Total/NA	Solid	Total BTEX	
880-31826-7	S-7 (0-1.0')	Total/NA	Solid	Total BTEX	
880-31826-8	S-8 (0-1.0')	Total/NA	Solid	Total BTEX	
880-31826-9	S-9 (0-1.0')	Total/NA	Solid	Total BTEX	
880-31826-10	S-10 (0-0.5')	Total/NA	Solid	Total BTEX	
880-31826-11	S-11 (0-0.5')	Total/NA	Solid	Total BTEX	
880-31826-12	S-12 (0-1.0')	Total/NA	Solid	Total BTEX	
880-31826-13	S-13 (0-1.0')	Total/NA	Solid	Total BTEX	
880-31826-14	S-13 (1.5')	Total/NA	Solid	Total BTEX	
880-31826-15	S-13 (2.0')	Total/NA	Solid	Total BTEX	
880-31826-16	S-13 (3.0')	Total/NA	Solid	Total BTEX	
880-31826-17	S-14 (0-1.0')	Total/NA	Solid	Total BTEX	

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Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1 SDG: Eddy County, New Mexico

## **GC VOA (Continued)**

### Analysis Batch: 59935 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31826-18	S-15 (0-1.0')	Total/NA	Solid	Total BTEX	
880-31826-19	S-15 (1.5')	Total/NA	Solid	Total BTEX	
880-31826-20	S-15 (2.0')	Total/NA	Solid	Total BTEX	
880-31826-21	S-15 (3.0')	Total/NA	Solid	Total BTEX	
880-31826-22	S-16 (0-1.0')	Total/NA	Solid	Total BTEX	
880-31826-23	S-16 (1.5')	Total/NA	Solid	Total BTEX	
880-31826-24	S-16 (2.0')	Total/NA	Solid	Total BTEX	
880-31826-25	S-17 (0-1.0')	Total/NA	Solid	Total BTEX	
880-31826-26	S-17 (1.5')	Total/NA	Solid	Total BTEX	
880-31826-27	S-17 (2.0')	Total/NA	Solid	Total BTEX	
880-31826-28	S-18 (0-1.0')	Total/NA	Solid	Total BTEX	
880-31826-29	S-18 (1.5')	Total/NA	Solid	Total BTEX	
880-31826-30	S-18 (2.0')	Total/NA	Solid	Total BTEX	

#### **GC Semi VOA**

### Prep Batch: 59785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31826-1	S-1 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-31826-2	S-2 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-31826-3	S-3 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-31826-4	S-4 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-31826-5	S-5 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-31826-6	S-6 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-31826-7	S-7 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-31826-8	S-8 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-31826-9	S-9 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-31826-10	S-10 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-59785/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-59785/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-59785/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-31304-A-1-H MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-31304-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

#### Prep Batch: 59849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-31826-11	S-11 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-31826-12	S-12 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-31826-13	S-13 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-31826-14	S-13 (1.5')	Total/NA	Solid	8015NM Prep	
880-31826-15	S-13 (2.0')	Total/NA	Solid	8015NM Prep	
880-31826-16	S-13 (3.0')	Total/NA	Solid	8015NM Prep	
880-31826-17	S-14 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-31826-18	S-15 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-31826-19	S-15 (1.5')	Total/NA	Solid	8015NM Prep	
880-31826-20	S-15 (2.0')	Total/NA	Solid	8015NM Prep	
880-31826-21	S-15 (3.0')	Total/NA	Solid	8015NM Prep	
880-31826-22	S-16 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-31826-23	S-16 (1.5')	Total/NA	Solid	8015NM Prep	
880-31826-24	S-16 (2.0')	Total/NA	Solid	8015NM Prep	
880-31826-25	S-17 (0-1.0')	Total/NA	Solid	8015NM Prep	

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1 SDG: Eddy County, New Mexico

## GC Semi VOA (Continued)

### Prep Batch: 59849 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31826-26	S-17 (1.5')	Total/NA	Solid	8015NM Prep	
880-31826-27	S-17 (2.0')	Total/NA	Solid	8015NM Prep	
880-31826-28	S-18 (0-1.0')	Total/NA	Solid	8015NM Prep	
880-31826-29	S-18 (1.5')	Total/NA	Solid	8015NM Prep	
880-31826-30	S-18 (2.0')	Total/NA	Solid	8015NM Prep	
MB 880-59849/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-59849/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-59849/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-31826-11 MS	S-11 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-31826-11 MSD	S-11 (0-0.5')	Total/NA	Solid	8015NM Prep	

#### Analysis Batch: 59899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31826-11	S-11 (0-0.5')	Total/NA	Solid	8015B NM	59849
880-31826-12	S-12 (0-1.0')	Total/NA	Solid	8015B NM	59849
880-31826-13	S-13 (0-1.0')	Total/NA	Solid	8015B NM	59849
880-31826-14	S-13 (1.5')	Total/NA	Solid	8015B NM	59849
880-31826-15	S-13 (2.0')	Total/NA	Solid	8015B NM	59849
880-31826-16	S-13 (3.0')	Total/NA	Solid	8015B NM	59849
880-31826-17	S-14 (0-1.0')	Total/NA	Solid	8015B NM	59849
880-31826-18	S-15 (0-1.0')	Total/NA	Solid	8015B NM	59849
880-31826-19	S-15 (1.5')	Total/NA	Solid	8015B NM	59849
880-31826-20	S-15 (2.0')	Total/NA	Solid	8015B NM	59849
880-31826-21	S-15 (3.0')	Total/NA	Solid	8015B NM	59849
880-31826-22	S-16 (0-1.0')	Total/NA	Solid	8015B NM	59849
880-31826-23	S-16 (1.5')	Total/NA	Solid	8015B NM	59849
880-31826-24	S-16 (2.0')	Total/NA	Solid	8015B NM	59849
880-31826-25	S-17 (0-1.0')	Total/NA	Solid	8015B NM	59849
880-31826-26	S-17 (1.5')	Total/NA	Solid	8015B NM	59849
880-31826-27	S-17 (2.0')	Total/NA	Solid	8015B NM	59849
880-31826-28	S-18 (0-1.0')	Total/NA	Solid	8015B NM	59849
880-31826-29	S-18 (1.5')	Total/NA	Solid	8015B NM	59849
880-31826-30	S-18 (2.0')	Total/NA	Solid	8015B NM	59849
MB 880-59849/1-A	Method Blank	Total/NA	Solid	8015B NM	59849
LCS 880-59849/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	59849
LCSD 880-59849/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	59849
880-31826-11 MS	S-11 (0-0.5')	Total/NA	Solid	8015B NM	59849
880-31826-11 MSD	S-11 (0-0.5')	Total/NA	Solid	8015B NM	59849

#### Analysis Batch: 59901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31826-1	S-1 (0-1.0')	Total/NA	Solid	8015B NM	59785
880-31826-2	S-2 (0-1.0')	Total/NA	Solid	8015B NM	59785
880-31826-3	S-3 (0-1.0')	Total/NA	Solid	8015B NM	59785
880-31826-4	S-4 (0-1.0')	Total/NA	Solid	8015B NM	59785
880-31826-5	S-5 (0-1.0')	Total/NA	Solid	8015B NM	59785
880-31826-6	S-6 (0-1.0')	Total/NA	Solid	8015B NM	59785
880-31826-7	S-7 (0-1.0')	Total/NA	Solid	8015B NM	59785
880-31826-8	S-8 (0-1.0')	Total/NA	Solid	8015B NM	59785
880-31826-9	S-9 (0-1.0')	Total/NA	Solid	8015B NM	59785
880-31826-10	S-10 (0-0.5')	Total/NA	Solid	8015B NM	59785

**Eurofins Midland** 

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Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1

SDG: Eddy County, New Mexico

## GC Semi VOA (Continued)

### Analysis Batch: 59901 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-59785/1-A	Method Blank	Total/NA	Solid	8015B NM	59785
LCS 880-59785/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	59785
LCSD 880-59785/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	59785
880-31304-A-1-H MS	Matrix Spike	Total/NA	Solid	8015B NM	59785
880-31304-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	59785

#### Analysis Batch: 60195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31826-1	S-1 (0-1.0')	Total/NA	Solid	8015 NM	
880-31826-2	S-2 (0-1.0')	Total/NA	Solid	8015 NM	
880-31826-3	S-3 (0-1.0')	Total/NA	Solid	8015 NM	
880-31826-4	S-4 (0-1.0')	Total/NA	Solid	8015 NM	
880-31826-5	S-5 (0-1.0')	Total/NA	Solid	8015 NM	
880-31826-6	S-6 (0-1.0')	Total/NA	Solid	8015 NM	
880-31826-7	S-7 (0-1.0')	Total/NA	Solid	8015 NM	
880-31826-8	S-8 (0-1.0')	Total/NA	Solid	8015 NM	
880-31826-9	S-9 (0-1.0')	Total/NA	Solid	8015 NM	
880-31826-10	S-10 (0-0.5')	Total/NA	Solid	8015 NM	
880-31826-11	S-11 (0-0.5')	Total/NA	Solid	8015 NM	
880-31826-12	S-12 (0-1.0')	Total/NA	Solid	8015 NM	
880-31826-13	S-13 (0-1.0')	Total/NA	Solid	8015 NM	
880-31826-14	S-13 (1.5')	Total/NA	Solid	8015 NM	
880-31826-15	S-13 (2.0')	Total/NA	Solid	8015 NM	
880-31826-16	S-13 (3.0')	Total/NA	Solid	8015 NM	
880-31826-17	S-14 (0-1.0')	Total/NA	Solid	8015 NM	
880-31826-18	S-15 (0-1.0')	Total/NA	Solid	8015 NM	
880-31826-19	S-15 (1.5')	Total/NA	Solid	8015 NM	
880-31826-20	S-15 (2.0')	Total/NA	Solid	8015 NM	
880-31826-21	S-15 (3.0')	Total/NA	Solid	8015 NM	
880-31826-22	S-16 (0-1.0')	Total/NA	Solid	8015 NM	
880-31826-23	S-16 (1.5')	Total/NA	Solid	8015 NM	
880-31826-24	S-16 (2.0')	Total/NA	Solid	8015 NM	
880-31826-25	S-17 (0-1.0')	Total/NA	Solid	8015 NM	
880-31826-26	S-17 (1.5')	Total/NA	Solid	8015 NM	
880-31826-27	S-17 (2.0')	Total/NA	Solid	8015 NM	
880-31826-28	S-18 (0-1.0')	Total/NA	Solid	8015 NM	
880-31826-29	S-18 (1.5')	Total/NA	Solid	8015 NM	
880-31826-30	S-18 (2.0')	Total/NA	Solid	8015 NM	

#### HPLC/IC

#### Leach Batch: 59727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31826-9	S-9 (0-1.0')	Soluble	Solid	DI Leach	
880-31826-10	S-10 (0-0.5')	Soluble	Solid	DI Leach	
880-31826-11	S-11 (0-0.5')	Soluble	Solid	DI Leach	
880-31826-12	S-12 (0-1.0')	Soluble	Solid	DI Leach	
880-31826-13	S-13 (0-1.0')	Soluble	Solid	DI Leach	
880-31826-14	S-13 (1.5')	Soluble	Solid	DI Leach	
880-31826-15	S-13 (2.0')	Soluble	Solid	DI Leach	
880-31826-16	S-13 (3.0')	Soluble	Solid	DI Leach	

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1 SDG: Eddy County, New Mexico

# HPLC/IC (Continued)

### Leach Batch: 59727 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31826-17	S-14 (0-1.0')	Soluble	Solid	DI Leach	_
880-31826-18	S-15 (0-1.0')	Soluble	Solid	DI Leach	
880-31826-19	S-15 (1.5')	Soluble	Solid	DI Leach	
880-31826-20	S-15 (2.0')	Soluble	Solid	DI Leach	
880-31826-21	S-15 (3.0')	Soluble	Solid	DI Leach	
880-31826-22	S-16 (0-1.0')	Soluble	Solid	DI Leach	
880-31826-23	S-16 (1.5')	Soluble	Solid	DI Leach	
880-31826-24	S-16 (2.0')	Soluble	Solid	DI Leach	
880-31826-25	S-17 (0-1.0')	Soluble	Solid	DI Leach	
880-31826-26	S-17 (1.5')	Soluble	Solid	DI Leach	
880-31826-27	S-17 (2.0')	Soluble	Solid	DI Leach	
880-31826-28	S-18 (0-1.0')	Soluble	Solid	DI Leach	
MB 880-59727/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-59727/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-59727/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-31826-9 MS	S-9 (0-1.0')	Soluble	Solid	DI Leach	
880-31826-9 MSD	S-9 (0-1.0')	Soluble	Solid	DI Leach	
880-31826-19 MS	S-15 (1.5')	Soluble	Solid	DI Leach	
880-31826-19 MSD	S-15 (1.5')	Soluble	Solid	DI Leach	

#### Leach Batch: 59728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-31826-1	S-1 (0-1.0')	Soluble	Solid	DI Leach	
880-31826-2	S-2 (0-1.0')	Soluble	Solid	DI Leach	
880-31826-3	S-3 (0-1.0')	Soluble	Solid	DI Leach	
880-31826-4	S-4 (0-1.0')	Soluble	Solid	DI Leach	
880-31826-5	S-5 (0-1.0')	Soluble	Solid	DI Leach	
880-31826-6	S-6 (0-1.0')	Soluble	Solid	DI Leach	
880-31826-7	S-7 (0-1.0')	Soluble	Solid	DI Leach	
880-31826-8	S-8 (0-1.0')	Soluble	Solid	DI Leach	
MB 880-59728/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-59728/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-59728/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-31825-A-7-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-31825-A-7-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

#### Leach Batch: 59734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31826-29	S-18 (1.5')	Soluble	Solid	DI Leach	
880-31826-30	S-18 (2.0')	Soluble	Solid	DI Leach	
MB 880-59734/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-59734/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-59734/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-31824-A-7-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-31824-A-7-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

#### Analysis Batch: 59752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31826-29	S-18 (1.5')	Soluble	Solid	300.0	59734
880-31826-30	S-18 (2.0')	Soluble	Solid	300.0	59734
MB 880-59734/1-A	Method Blank	Soluble	Solid	300.0	59734

**Eurofins Midland** 

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Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1

SDG: Eddy County, New Mexico

## HPLC/IC (Continued)

### **Analysis Batch: 59752 (Continued)**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-59734/2-A	Lab Control Sample	Soluble	Solid	300.0	59734
LCSD 880-59734/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59734
880-31824-A-7-C MS	Matrix Spike	Soluble	Solid	300.0	59734
880-31824-A-7-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	59734

### Analysis Batch: 59863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31826-9	S-9 (0-1.0')	Soluble	Solid	300.0	59727
880-31826-10	S-10 (0-0.5')	Soluble	Solid	300.0	59727
880-31826-11	S-11 (0-0.5')	Soluble	Solid	300.0	59727
880-31826-12	S-12 (0-1.0')	Soluble	Solid	300.0	59727
880-31826-13	S-13 (0-1.0')	Soluble	Solid	300.0	59727
880-31826-14	S-13 (1.5')	Soluble	Solid	300.0	59727
880-31826-15	S-13 (2.0')	Soluble	Solid	300.0	59727
880-31826-16	S-13 (3.0')	Soluble	Solid	300.0	59727
880-31826-17	S-14 (0-1.0')	Soluble	Solid	300.0	59727
880-31826-18	S-15 (0-1.0')	Soluble	Solid	300.0	59727
880-31826-19	S-15 (1.5')	Soluble	Solid	300.0	59727
880-31826-20	S-15 (2.0')	Soluble	Solid	300.0	59727
880-31826-21	S-15 (3.0')	Soluble	Solid	300.0	59727
880-31826-22	S-16 (0-1.0')	Soluble	Solid	300.0	59727
880-31826-23	S-16 (1.5')	Soluble	Solid	300.0	59727
880-31826-24	S-16 (2.0')	Soluble	Solid	300.0	59727
880-31826-25	S-17 (0-1.0')	Soluble	Solid	300.0	59727
880-31826-26	S-17 (1.5')	Soluble	Solid	300.0	59727
880-31826-27	S-17 (2.0')	Soluble	Solid	300.0	59727
880-31826-28	S-18 (0-1.0')	Soluble	Solid	300.0	59727
MB 880-59727/1-A	Method Blank	Soluble	Solid	300.0	59727
LCS 880-59727/2-A	Lab Control Sample	Soluble	Solid	300.0	59727
LCSD 880-59727/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59727
880-31826-9 MS	S-9 (0-1.0')	Soluble	Solid	300.0	59727
880-31826-9 MSD	S-9 (0-1.0')	Soluble	Solid	300.0	59727
880-31826-19 MS	S-15 (1.5')	Soluble	Solid	300.0	59727
880-31826-19 MSD	S-15 (1.5')	Soluble	Solid	300.0	59727

#### Analysis Batch: 59864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31826-1	S-1 (0-1.0')	Soluble	Solid	300.0	59728
880-31826-2	S-2 (0-1.0')	Soluble	Solid	300.0	59728
880-31826-3	S-3 (0-1.0')	Soluble	Solid	300.0	59728
880-31826-4	S-4 (0-1.0')	Soluble	Solid	300.0	59728
880-31826-5	S-5 (0-1.0')	Soluble	Solid	300.0	59728
880-31826-6	S-6 (0-1.0')	Soluble	Solid	300.0	59728
880-31826-7	S-7 (0-1.0')	Soluble	Solid	300.0	59728
880-31826-8	S-8 (0-1.0')	Soluble	Solid	300.0	59728
MB 880-59728/1-A	Method Blank	Soluble	Solid	300.0	59728
LCS 880-59728/2-A	Lab Control Sample	Soluble	Solid	300.0	59728
LCSD 880-59728/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59728
880-31825-A-7-B MS	Matrix Spike	Soluble	Solid	300.0	59728
880-31825-A-7-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	59728

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-31826-1

Lab Sample ID: 880-31826-2

Matrix: Solid

**Client Sample ID: S-1 (0-1.0')** Date Collected: 08/07/23 00:00

Date Received: 08/09/23 09:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	59833	08/10/23 09:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59869	08/10/23 17:25	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59935	08/11/23 11:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			60195	08/14/23 22:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	59785	08/09/23 16:40	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59901	08/12/23 01:34	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59728	08/09/23 09:40	KS	EET MID
Soluble	Analysis	300.0		5			59864	08/10/23 17:44	CH	EET MID

**Client Sample ID: S-2 (0-1.0')** 

Da

Date Collected: 08/07/	/23 00:00							Matrix: Solid
Date Received: 08/09/	23 09:00							
_								
В	atch	Batch	Dil	Initial	Final	Batch	Prepared	

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	59833	08/10/23 09:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59869	08/10/23 17:46	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59935	08/11/23 11:23	SM	EET MIC
Total/NA	Analysis	8015 NM		1			60195	08/14/23 22:22	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	59785	08/09/23 16:40	TKC	EET MIC
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59901	08/12/23 01:57	SM	EET MIC
Soluble	Leach	DI Leach			5.03 g	50 mL	59728	08/09/23 09:40	KS	EET MIC
Soluble	Analysis	300.0		5			59864	08/10/23 18:05	CH	EET MID

Client Sample ID: S-3 (0-1.0')

Date Collected: 08/07/23 00:00

Date Received: 08/09/23 09:00

Lab	Sampl	e ID:	880	<b>)-31</b>	826-	3	

**Matrix: Solid** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	59833	08/10/23 09:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59869	08/10/23 18:06	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59935	08/11/23 11:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			60195	08/14/23 22:22	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	59785	08/09/23 16:40	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59901	08/12/23 02:20	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59728	08/09/23 09:40	KS	EET MID
Soluble	Analysis	300.0		10			59864	08/10/23 18:12	CH	EET MID

Date Received: 08/09/23 09:00

<b>Date Collecte</b>	d: 08/07/23 00:0	)							Matrix: Solid
Client Sam	ple ID: S-4 (0	-1.0')					Lab Samp	le ID:	880-31826-4
Soluble	Analysis	300.0	10			59864	08/10/23 18:12	СН	EET MID
Soluble	Leach	DI Leach		4.96 g	50 mL	59728	08/09/23 09:40	KS	EET MID
Total/NA	Analysis	8015B NM	1	1 uL	1 uL	59901	08/12/23 02:20	SM	EET MID
Total/NA	Prep	8015NM Prep		9.96 g	10 mL	59785	08/09/23 16:40	TKC	EET MID

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	59833	08/10/23 09:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59869	08/10/23 18:27	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59935	08/11/23 11:23	SM	EET MID

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

SDG: Eddy County, New Mexico

Client Sample ID: S-4 (0-1.0')

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

Lab Sample ID: 880-31826-4

Matrix: Solid

**Matrix: Solid** 

Job ID: 880-31826-1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			60195	08/14/23 22:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	59785	08/09/23 16:40	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59901	08/12/23 02:42	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59728	08/09/23 09:40	KS	EET MID
Soluble	Analysis	300.0		5			59864	08/10/23 18:19	CH	EET MID

Lab Sample ID: 880-31826-5 **Client Sample ID: S-5 (0-1.0')** 

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

**Matrix: Solid** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	59833	08/10/23 09:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59869	08/10/23 18:48	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59935	08/11/23 11:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			60195	08/14/23 22:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	59785	08/09/23 16:40	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59901	08/12/23 03:05	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59728	08/09/23 09:40	KS	EET MID
Soluble	Analysis	300.0		10			59864	08/10/23 18:26	CH	EET MID

**Client Sample ID: S-6 (0-1.0')** Lab Sample ID: 880-31826-6

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	59833	08/10/23 09:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59869	08/10/23 19:08	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59935	08/11/23 11:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			60195	08/14/23 22:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	59785	08/09/23 16:40	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59901	08/12/23 03:28	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59728	08/09/23 09:40	KS	EET MID
Soluble	Analysis	300.0		10			59864	08/10/23 18:34	CH	EET MID

Client Sample ID: S-7 (0-1.0') Lab Sample ID: 880-31826-7

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	59833	08/10/23 09:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59869	08/10/23 19:29	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59935	08/11/23 11:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			60195	08/14/23 22:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	59785	08/09/23 16:40	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59901	08/12/23 03:50	SM	EET MID

**Eurofins Midland** 

**Matrix: Solid** 

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Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1

SDG: Eddy County, New Mexico

Client Sample ID: S-7 (0-1.0')

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00 Lab Sample ID: 880-31826-7

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	59728	08/09/23 09:40	KS	EET MID
Soluble	Analysis	300.0		5			59864	08/10/23 18:41	CH	EET MID

Client Sample ID: S-8 (0-1.0')

Lab Sample ID: 880-31826-8

**Matrix: Solid** 

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	59833	08/10/23 09:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59869	08/10/23 19:49	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59935	08/11/23 11:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			60195	08/14/23 22:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	59785	08/09/23 16:40	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59901	08/12/23 04:13	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59728	08/09/23 09:40	KS	EET MID
Soluble	Analysis	300.0		5			59864	08/10/23 18:48	CH	EET MID

Client Sample ID: S-9 (0-1.0')

Lab Sample ID: 880-31826-9

**Matrix: Solid** 

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	59833	08/10/23 09:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59869	08/10/23 20:10	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59935	08/11/23 11:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			60195	08/14/23 22:22	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	59785	08/09/23 16:40	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59901	08/12/23 04:35	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59727	08/09/23 09:38	KS	EET MID
Soluble	Analysis	300.0		5			59863	08/10/23 12:20	CH	EET MID

Client Sample ID: S-10 (0-0.5')

Lab Sample ID: 880-31826-10

**Matrix: Solid** 

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	59833	08/10/23 09:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59869	08/10/23 20:30	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59935	08/11/23 11:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			60195	08/14/23 22:22	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	59785	08/09/23 16:40	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59901	08/12/23 04:56	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59727	08/09/23 09:38	KS	EET MID
Soluble	Analysis	300.0		10			59863	08/10/23 12:36	CH	EET MID

Job ID: 880-31826-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-31826-11

Matrix: Solid

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

Client Sample ID: S-11 (0-0.5')

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	59833	08/10/23 09:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59869	08/10/23 21:53	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59935	08/11/23 11:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			60195	08/14/23 17:39	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	59849	08/10/23 11:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59899	08/11/23 20:39	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59727	08/09/23 09:38	KS	EET MID
Soluble	Analysis	300.0		10			59863	08/10/23 12:42	CH	EET MID

Client Sample ID: S-12 (0-1.0')

Date Collected: 08/07/23 00:00

Date Received: 08/09/23 09:00

Lab Sample ID: 880-31826-12

Matrix: Solid

Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep 5035 Total/NA 4.99 g 5 mL 59833 08/10/23 09:33 EL EET MID Total/NA 8021B 5 mL 59869 08/10/23 22:14 **EET MID** Analysis 1 5 mL SM Total/NA Total BTEX 59935 08/11/23 11:23 SM Analysis **EET MID** 1 Total/NA Analysis 8015 NM 60195 08/14/23 17:39 SM **EET MID** Total/NA 59849 08/10/23 11:20 Prep 8015NM Prep 9.94 g 10 mL TKC EET MID Total/NA Analysis 8015B NM 1 uL 1 uL 59899 08/11/23 21:46 SM **EET MID** 08/09/23 09:38 Soluble Leach DI Leach 4.95 g 50 mL 59727 KS **EET MID** Soluble Analysis 300.0 20 59863 08/10/23 12:48 СН **EET MID** 

Client Sample ID: S-13 (0-1.0')

Date Collected: 08/07/23 00:00

Date Received: 08/09/23 09:00

Lab Sample ID: 880-31826-13

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	59833	08/10/23 09:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59869	08/10/23 22:34	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59935	08/11/23 11:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			60195	08/14/23 17:39	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	59849	08/10/23 11:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59899	08/11/23 22:09	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	59727	08/09/23 09:38	KS	EET MID
Soluble	Analysis	300.0		10			59863	08/10/23 12:53	CH	EET MID

Client Sample ID: S-13 (1.5')

Date Collected: 08/07/23 00:00

Date Received: 08/09/23 09:00

Lab Sample	ID: 880-31826-14
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**Matrix: Solid** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	59833	08/10/23 09:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59869	08/10/23 22:55	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59935	08/11/23 11:23	SM	EET MID

**Eurofins Midland** 

**Matrix: Solid** 

EET MID

#### Lab Chronicle

Client: Carmona Resources

Client Sample ID: S-13 (1.5') Date Collected: 08/07/23 00:00

Date Received: 08/09/23 09:00

Project/Site: Deep Elm AST Spill (Pipeline Road)

Analysis

300.0

Job ID: 880-31826-1 SDG: Eddy County, New Mexico

Lab Sample ID: 880-31826-14

08/10/23 13:10 CH

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			60195	08/14/23 17:39	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	59849	08/10/23 11:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59899	08/11/23 22:32	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59727	08/09/23 09:38	KS	EET MID

Client Sample ID: S-13 (2.0') Lab Sample ID: 880-31826-15

10

Date Collected: 08/07/23 00:00 **Matrix: Solid** 

59863

Date Received: 08/09/23 09:00

Soluble

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	59833	08/10/23 09:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59869	08/10/23 23:15	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59935	08/11/23 11:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			60195	08/14/23 17:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	59849	08/10/23 11:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59899	08/11/23 22:55	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59727	08/09/23 09:38	KS	EET MID
Soluble	Analysis	300.0		10			59863	08/10/23 13:16	CH	EET MID

Client Sample ID: S-13 (3.0') Lab Sample ID: 880-31826-16 Date Collected: 08/07/23 00:00 Matrix: Solid

Date Received: 08/09/23 09:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	59833	08/10/23 09:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59869	08/10/23 23:36	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59935	08/11/23 11:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			60195	08/14/23 17:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	59849	08/10/23 11:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59899	08/11/23 23:17	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59727	08/09/23 09:38	KS	EET MID
Soluble	Analysis	300.0		5			59863	08/10/23 13:22	CH	EET MID

Lab Sample ID: 880-31826-17 **Client Sample ID: S-14 (0-1.0')** 

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	59833	08/10/23 09:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59869	08/10/23 23:56	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59935	08/11/23 11:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			60195	08/14/23 17:39	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.05 g 1 uL	10 mL 1 uL	59849 59899	08/10/23 11:20 08/11/23 23:40	TKC SM	EET MID EET MID

**Eurofins Midland** 

**Matrix: Solid** 

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Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

SDG: Eddy County, New Mexico

Job ID: 880-31826-1

Lab Sample ID: 880-31826-17

Client Sample ID: S-14 (0-1.0')

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	59727	08/09/23 09:38	KS	EET MID
Soluble	Analysis	300.0		5			59863	08/10/23 13:28	CH	EET MID

Client Sample ID: S-15 (0-1.0') Lab Sample ID: 880-31826-18

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

**Matrix: Solid** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	59833	08/10/23 09:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59869	08/11/23 00:17	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59935	08/11/23 11:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			60195	08/14/23 17:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	59849	08/10/23 11:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59899	08/12/23 00:03	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59727	08/09/23 09:38	KS	EET MID
Soluble	Analysis	300.0		5			59863	08/10/23 13:33	CH	EET MID

Client Sample ID: S-15 (1.5') Lab Sample ID: 880-31826-19

Date Collected: 08/07/23 00:00

Date Received: 08/09/23 09:00

**Matrix: Solid** 

**Matrix: Solid** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	59833	08/10/23 09:33	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59869	08/11/23 00:37	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59935	08/11/23 11:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			60195	08/14/23 17:39	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	59849	08/10/23 11:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59899	08/12/23 00:26	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	59727	08/09/23 09:38	KS	EET MID
Soluble	Analysis	300.0		10			59863	08/10/23 13:39	CH	EET MID

Client Sample ID: S-15 (2.0') Lab Sample ID: 880-31826-20

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

Dil Final Batch Batch Initial Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst

Total/NA	Prep	5035		4.96 g	5 mL	59833	08/10/23 09:33	EL	EET MID
Total/NA	Analysis	8021B	1	5 mL	5 mL	59869	08/11/23 00:58	SM	EET MID
Total/NA	Analysis	Total BTEX	1			59935	08/11/23 11:23	SM	EET MID
Total/NA	Analysis	8015 NM	1			60195	08/14/23 17:39	SM	EET MID
Total/NA	Prep	8015NM Prep		9.92 g	10 mL	59849	08/10/23 11:20	TKC	EET MID
Total/NA	Analysis	8015B NM	1	1 uL	1 uL	59899	08/12/23 00:48	SM	EET MID
Soluble	Leach	DI Leach		5.01 g	50 mL	59727	08/09/23 09:38	KS	EET MID
Soluble	Analysis	300.0	10			59863	08/10/23 13:56	CH	EET MID

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

SDG: Eddy County, New Mexico

Job ID: 880-31826-1

Lab Sample ID: 880-31826-21

**Matrix: Solid** 

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

Client Sample ID: S-15 (3.0')

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	59852	08/10/23 11:41	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59869	08/11/23 06:45	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59935	08/11/23 11:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			60195	08/14/23 17:39	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	59849	08/10/23 11:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59899	08/12/23 01:34	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59727	08/09/23 09:38	KS	EET MID
Soluble	Analysis	300.0		5			59863	08/10/23 14:01	CH	EET MID

Client Sample ID: S-16 (0-1.0')

Date Collected: 08/07/23 00:00

Date Received: 08/09/23 09:00

Lab Sample ID: 880-31826-22

Matrix: Solid

Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep 5035 Total/NA 4.96 g 5 mL 59852 08/10/23 11:41 EL EET MID Total/NA 8021B 5 mL 08/11/23 07:06 **EET MID** Analysis 1 5 mL 59869 SM Total/NA Total BTEX 59935 08/11/23 11:23 SM Analysis **EET MID** 1 Total/NA Analysis 8015 NM 60195 08/14/23 17:39 SM **EET MID** Total/NA 59849 Prep 8015NM Prep 9.93 g 10 mL 08/10/23 11:20 TKC EET MID Total/NA Analysis 8015B NM 1 uL 1 uL 59899 08/12/23 01:57 SM **EET MID** Soluble Leach DI Leach 5.03 g 50 mL 59727 08/09/23 09:38 KS **EET MID** Soluble Analysis 300.0 10 59863 08/10/23 14:18 СН **EET MID** 

Client Sample ID: S-16 (1.5')

Date Collected: 08/07/23 00:00

Date Received: 08/09/23 09:00

Lab Sample ID: 880-31826-23

**Matrix: Solid** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	59852	08/10/23 11:41	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59869	08/11/23 09:23	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59935	08/11/23 11:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			60195	08/14/23 17:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	59849	08/10/23 11:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59899	08/12/23 02:20	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59727	08/09/23 09:38	KS	EET MID
Soluble	Analysis	300.0		10			59863	08/10/23 14:24	CH	EET MID

Client Sample ID: S-16 (2.0')

Date Collected: 08/07/23 00:00

Date Received: 08/09/23 09:00

Lab Sample ID:	880-31826-24
	Matrix: Solid

Analyst	Lab	
EL	EET MID	
SM	EET MID	

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	59852	08/10/23 11:41	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59869	08/11/23 09:44	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59935	08/11/23 11:23	SM	EET MID

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1 SDG: Eddy County, New Mexico

Client Sample ID: S-16 (2.0')

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00 Lab Sample ID: 880-31826-24

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			60195	08/14/23 17:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	59849	08/10/23 11:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59899	08/12/23 02:42	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59727	08/09/23 09:38	KS	EET MID
Soluble	Analysis	300.0		10			59863	08/10/23 14:30	CH	EET MID

**Client Sample ID: S-17 (0-1.0')** 

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

Lab Sample ID: 880-31826-25

**Matrix: Solid** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	59852	08/10/23 11:41	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59869	08/11/23 10:04	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59935	08/11/23 11:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			60195	08/14/23 17:39	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	59849	08/10/23 11:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59899	08/12/23 03:05	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59727	08/09/23 09:38	KS	EET MID
Soluble	Analysis	300.0		10			59863	08/10/23 14:35	CH	EET MID

Client Sample ID: S-17 (1.5')

Date Collected: 08/07/23 00:00

Date Received: 08/09/23 09:00

Lab Sample ID: 880-31826-26

**Matrix: Solid** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	59852	08/10/23 11:41	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59869	08/11/23 10:25	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59935	08/11/23 11:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			60195	08/14/23 17:39	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	59849	08/10/23 11:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59899	08/12/23 03:28	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59727	08/09/23 09:38	KS	EET MID
Soluble	Analysis	300.0		10			59863	08/10/23 14:41	CH	EET MID

Client Sample ID: S-17 (2.0')

Date Collected: 08/07/23 00:00

Date Received: 08/09/23 09:00

Lab Sample ID:	880-31826-27
	Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	59852	08/10/23 11:41	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59869	08/11/23 10:45	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59935	08/11/23 14:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			60195	08/14/23 17:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	59849	08/10/23 11:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59899	08/12/23 03:50	SM	EET MID

**Eurofins Midland** 

Released to Imaging: 3/6/2024 10:34:18 AM

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1

SDG: Eddy County, New Mexico

Client Sample ID: S-17 (2.0')

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

Lab Sample ID: 880-31826-27

**Matrix: Solid** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	59727	08/09/23 09:38	KS	EET MID
Soluble	Analysis	300.0		5			59863	08/10/23 14:47	CH	EET MID

**Client Sample ID: S-18 (0-1.0')** Lab Sample ID: 880-31826-28

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	59852	08/10/23 11:41	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59869	08/11/23 11:06	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59935	08/11/23 14:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			60195	08/14/23 17:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	59849	08/10/23 11:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59899	08/12/23 04:13	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59727	08/09/23 09:38	KS	EET MID
Soluble	Analysis	300.0		5			59863	08/10/23 14:52	CH	EET MID

Lab Sample ID: 880-31826-29 Client Sample ID: S-18 (1.5')

Date Collected: 08/07/23 00:00

**Matrix: Solid** 

Date Received: 08/09/23 09:00

Batch Dil Final Batch Initial Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 5.02 g 5 mL 59852 08/10/23 11:41 EL **EET MID** Total/NA 8021B 5 mL 5 mL 59869 08/11/23 11:26 **EET MID** Analysis SM Total/NA Analysis Total BTEX 1 59935 08/11/23 14:31 SM **EET MID** Total/NA Analysis 8015 NM 1 60195 08/14/23 17:39 SM **EET MID** 9.98 g Total/NA Prep 8015NM Prep 10 mL 59849 08/10/23 11:20 TKC **EET MID** Total/NA Analysis **EET MID** 8015B NM 1 uL 1 uL 59899 08/12/23 04:35 SM Soluble Leach DI Leach 5.01 g 50 mL 59734 08/09/23 09:50 KS **EET MID** Soluble Analysis 300.0 1 59752 08/10/23 02:00 CH **EET MID** 

Client Sample ID: S-18 (2.0') Lab Sample ID: 880-31826-30

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	59852	08/10/23 11:41	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59869	08/11/23 11:47	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59935	08/11/23 14:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			60195	08/14/23 17:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	59849	08/10/23 11:20	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59899	08/12/23 04:56	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	59734	08/09/23 09:50	KS	EET MID
Soluble	Analysis	300.0		1			59752	08/10/23 02:05	CH	EET MID

**Eurofins Midland** 

**Matrix: Solid** 

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1 SDG: Eddy County, New Mexico

Laboratory References:

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

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# **Accreditation/Certification Summary**

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1 SDG: Eddy County, New Mexico

#### **Laboratory: Eurofins Midland**

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

uthority		Program	Identification Number	Expiration Date
exas		NELAP	T104704400-23-26	06-30-24
The following analytes the agency does not of	•	, but the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes for which
Analysis Method	Prep Method	Matrix	Analyte	
300.0		Solid	Chloride	
8015 NM		Solid	Total TPH	
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over	C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GR	RO)-C6-C10
8015B NM	8015NM Prep	Solid	Oll Range Organics (Over C28	3-C36)
8021B	5035	Solid	Benzene	
8021B	5035	Solid	Ethylbenzene	
8021B	5035	Solid	m-Xylene & p-Xylene	
8021B	5035	Solid	o-Xylene	
8021B	5035	Solid	Toluene	
8021B	5035	Solid	Xylenes, Total	
Total BTEX		Solid	Total BTEX	

**Eurofins Midland** 

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# **Method Summary**

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1

SDG:	Eddy 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

**Eurofins Midland** 

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# Sample Summary

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31826-1 SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-31826-1	S-1 (0-1.0')	Solid	08/07/23 00:00	08/09/23 09:00
880-31826-2	S-2 (0-1.0')	Solid	08/07/23 00:00	08/09/23 09:00
880-31826-3	S-3 (0-1.0')	Solid	08/07/23 00:00	08/09/23 09:00
880-31826-4	S-4 (0-1.0')	Solid	08/07/23 00:00	08/09/23 09:00
880-31826-5	S-5 (0-1.0')	Solid	08/07/23 00:00	08/09/23 09:00
880-31826-6	S-6 (0-1.0')	Solid	08/07/23 00:00	08/09/23 09:00
880-31826-7	S-7 (0-1.0')	Solid	08/07/23 00:00	08/09/23 09:00
880-31826-8	S-8 (0-1.0')	Solid	08/07/23 00:00	08/09/23 09:00
880-31826-9	S-9 (0-1.0')	Solid	08/07/23 00:00	08/09/23 09:00
880-31826-10	S-10 (0-0.5')	Solid	08/07/23 00:00	08/09/23 09:00
880-31826-11	S-11 (0-0.5')	Solid	08/07/23 00:00	08/09/23 09:00
880-31826-12	S-12 (0-1.0')	Solid	08/07/23 00:00	08/09/23 09:00
880-31826-13	S-13 (0-1.0')	Solid	08/07/23 00:00	08/09/23 09:00
880-31826-14	S-13 (1.5')	Solid	08/07/23 00:00	08/09/23 09:00
880-31826-15	S-13 (2.0')	Solid	08/07/23 00:00	08/09/23 09:00
880-31826-16	S-13 (3.0')	Solid	08/07/23 00:00	08/09/23 09:00
880-31826-17	S-14 (0-1.0')	Solid	08/07/23 00:00	08/09/23 09:00
880-31826-18	S-15 (0-1.0')	Solid	08/07/23 00:00	08/09/23 09:00
880-31826-19	S-15 (1.5')	Solid	08/07/23 00:00	08/09/23 09:00
880-31826-20	S-15 (2.0')	Solid	08/07/23 00:00	08/09/23 09:00
880-31826-21	S-15 (3.0')	Solid	08/07/23 00:00	08/09/23 09:00
880-31826-22	S-16 (0-1.0')	Solid	08/07/23 00:00	08/09/23 09:00
880-31826-23	S-16 (1.5')	Solid	08/07/23 00:00	08/09/23 09:00
880-31826-24	S-16 (2.0')	Solid	08/07/23 00:00	08/09/23 09:00
880-31826-25	S-17 (0-1.0')	Solid	08/07/23 00:00	08/09/23 09:00
880-31826-26	S-17 (1.5')	Solid	08/07/23 00:00	08/09/23 09:00
880-31826-27	S-17 (2.0')	Solid	08/07/23 00:00	08/09/23 09:00
880-31826-28	S-18 (0-1.0')	Solid	08/07/23 00:00	08/09/23 09:00
880-31826-29	S-18 (1.5')	Solid	08/07/23 00:00	08/09/23 09:00
880-31826-30	S-18 (2.0')	Solid	08/07/23 00:00	08/09/23 09:00

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880-31826 Chain of Custody

			11 5	S-10 (0-0.5')	S-9 (0-1 0')	S-8 (0-1.0')	S-7 (0-0 5')	S-6 (0-0 5')	S-5 (0-0.5')	S-4 (0-0.5')	S-3 (0-1.0')	S-2 (0-1.0')	S-1 (0-1.0')	Sample Identification	Total Containers	Sample Custody Seals	Cooler Custody Seals	Received Intact:	SAMPLE RECEIPT	PO#:	Sampler's Name	Project Location	Project Number	Project Name	Phone. (	City, State ZIP	Address	Company Name	Project Manager (
	Relinquishe	E Hair W wire Carillona / wicariiona@carmonaresources.com and Conner Moenring / Cmoenring@carmonaresources.com			0") 8/7/2023	.0') 8/7/2023	5') 8/7/2023	5') 8/7/2023	.5') 8/7/2023	.5") 8/7/2023	.0") 8/7/2023	.0') 8/7/2023	.0') 8/7/2023	ification Date		Yes No N/A	Yes No	ΙZ	Tepap Blank		GPJ/JR	Eddy County, New Mexico	2109	Deep Elm AST Spill (Pipeline Road)	(432) 813-6823	Midland, TX 79701	310 W Wall St Ste 500	Carmona Resources	Conner Moehring
	Relinquished by (Signature)	mona@carmonan		3	3	3	3	3	3	3	3	3	3	Time	Corrected Temperature	Temperature Reading	Correction Factor	Thermometer ID	Yes No	) )				Pipeline Road)					
		SOUTCES.CO.		×	×	×	×	×	×	×	×	×	×	Soll	rature	iding			) Wet ice			Due Date	Routine	Turr	Email				
														Water Co	13.	110	100	W.	Yes) No	)		72 Hours	√ Rush	Turn Around	Todd Wells@eogresources	City, State ZIP	Address	Company Name	Bill to (if different)
8/9	,	Moening		3 1	G -	G 1	G 1	G 1	G 1	G 1	G 1	G 1	-	Grab/ # of Comp Cont	<u>۲</u>	<u>L</u>	P	aran	nete	rs			Pres. Code		@eogresou	U		me	n)
2	Date/Time	Cmoer		+	-	×	×	×	×	×	×	×	×					802	1B			) (A)			ces com	Midland,	5509 Ch	EOG Resources	Todd Wells
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				†											Z	Zr	z	z	Ţ	Ţ	Ξ	ဂ္ဂ	N		ADaPT []	Reporting Level II Level III ST/UST		∏rownfie	<b>Work Order Comments</b>
							***************************************							Sampl	aOH+Asco	Zn Acetate+NaOH Zn	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> NaSO <sub>3</sub>	NaHSO4 NABIS	H <sub>3</sub> PO <sub>4</sub> HP	H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub>	유 문	Cool Cool	None NO	Preser	Other	ST RRP		Program: UST/PST ☐PRP ☐ rownfields ☐ RC	nments
	Date/Time													Sample Comments	NaOH+Ascorbic Acid SAPC	VaOH Zn	SO3	BIS		NaOH Na	HNO, HN	MeOH Me	DI Wat	Preservative Codes	ler.			C ☐perfund	
	ne													nts	<sup>6</sup> C					<u>z</u>	Ξ ;	<b>≤</b>	DI Water: H <sub>2</sub> O	ės		□Level IV □		und	

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ed by (Signature) Date/Time	Received	Date/Time	Da			y <sup>.</sup> (Signature)	Relinquished by: (Signature)		
	Comments. Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com	moehring@cam	ehring / C	nd Conner Mo	sources.com a	na@carmonare	Carmona / Mcarmo	s. Email to Mike	Comments
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		× ×		ഒ	×		8/7/2023	S-15 (0-1 0')	(0)
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		× ×	1	G	×		8/7/2023	S-11 (0-0 5')	60
Sample Comments			# of Cont	Water   Grab/ Comp	Soil	Time	Date	Sample Identification	Sam
SAPC		TPH			rature	Corrected Temperature		ners:	Total Containers
7,		TX 1			ding	Temperature Reading	Yes No N/A	tody Seals	Sample Custody Seals
Nappo Nappo		1 <del>905</del> orid				Correction Factor	Yes No N/A	ody Seals.	Cooler Custody Seals.
Nation Nation		(Ex		1		Thermometer ID	Yes No	fact.	Received Intact
H <sub>2</sub> DO, HD NACT NA		t to C	neter	Yes No	Wet ice	Yes No	Temp Blank.	RECEIPT	SAMPLE RECEIPT
		35)	s						PO#:
ŭ		8					GPJ/JR	lame	Sampler's Name
		01		72 Hours	Due Date		Eddy County, New Mexico	ation	Project Location
None NO	_	S	Pres.	✓ Rush	Routine		2109	ber	Project Number
	ANALYSIS REQUEST			round	Turn Around	eline Road)	Deep Elm AST Spill (Pipeline Road)		Project Name
Deliverables EDD ☐ ADaPT ☐ Other	D	s com	gresource	Todd Wells@eogresources	Email [		3-6823	(432) 813-6823	Phone
Reporting Level III Level III LST/UST RRP Level IV	70	Midland, Tx 79706	×	City, State ZIP	C		Midland, TX 79701		City, State ZIP
į	S	5509 Champions Dr	5,	Address.	A		310 W Wall St Ste 500	310 W	Address
Program: UST/PST PRP   rownfields   RC   perfund	7	EOG Resources	m	Company Name	0		Carmona Resources		Company Name
Work Order Comments		Todd Wells	T	Bill to (if different)	8		Conner Moehring	L	Project Manager
Page 2 of 3									

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Yes Yes		9:00	10	92			1 1 1			
Received by (Signature)	Rece	ime	Date/Time				y (Signature)	Relinquished by	. <b>20</b>	
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	Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com	hring@car	ig / Cmoe	Moehri	and Conne	sources.com	na@carmonare	na / Mcarmo	to Mike Carmo	Comments, Emai
		×	×	1	9	×		8/7/2023	2.0')	S-18 (2.0°)
		×	×	1	G	×		8/7/2023	5')	S-18 (1 5')
		×	×	1	G	×		8/7/2023	1 0')	S-18 (0-1 0')
		×	×	3	G	×		8/7/2023	2.0")	S-17 (2.0°)
		×	×	3 1	G	×		8/7/2023	.5")	S-17 (1.5)
		×	×	1	G	×		8/7/2023	1.0')	S-17 (0-1.0')
		×	×	-1	G	×		8/7/2023	2.0")	S-16 (2.0')
		×	×	1	ഒ	×		8/7/2023	5')	S-16 (1 5')
		×	×	3 1	G	×		8/7/2023	1.0')	S-16 (0-1.0')
		×	×	3 1	G	×		8/7/2023	3.0')	S-15 (3.0')
Sample Comments			2 3	ab/ #of mp Cont	Water Comp	Soil	Time	Date	itification	Sample Identification
NaOH+Ascorbic Acid SAPC		TPH		<u>.</u>		rature	Corrected Temperature			Total Containers
Zn Acetate+NaOH Zn			В			ding	Temperature Reading	No N/A	Yes	Sample Custody Seals
Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> NaSO <sub>3</sub>		1 <del>005</del>	TEX	Pa			Correction Factor	No N/A	Yes	Cooler Custody Seals
NaHSO, NABIS			802	ıran			Thermometer ID	8	Yes	Received Intact.
U			1B	nete	Yes No	Wet ice	Yes No	Temp Blank.		SAMPLE RECEIPT
•		C35)		rs						PO#
HOL HO HNO HN		80						GPJ/JR		Sampler's Name
		2K			72 Hours	Due Date		Eddy County, New Mexico	Eddy (	Project Location
None			ē ."	Pres,	<b>√</b> Rush	Routine		2109		Project Number
UEST Preservative Codes	ANALYSIS REQUEST				Turn Around	Turn /	line Road)	Deep Elm AST Spill (Pipeline Road)	Deep Elm /	Project Name
Deliverables EDD ☐ ADaPT ☐ Other		n	ources.cor	@eogres	Fodd Wells@eogresources.com	Email			(432) 813-6823	Phone
Reporting Level III Level III ST/UST RRP Level IV		Midland, Tx 79706	Midland		City, State ZIP			701	Midland, TX 79701	City, State ZIP
		5509 Champions Dr	5509 C		Address.			Ste 500	310 W Wall St Ste 500	Address
Program: UST/PST PRP   Irownfields   RC		EOG Resources	EOG R	ie e	Company Name			ırces	Carmona Resources	Company Name
Work Order Comments		Vells	Todd Wells	ð	Bill to (If different)			ĬĠ	Conner Moehring	Project Manager
rage 3 or 3										

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Work Order No

## **Login Sample Receipt Checklist**

Client: Carmona Resources Job Number: 880-31826-1

SDG Number: Eddy County, New Mexico

Login Number: 31826 List Source: Eurofins Midland List Number: 1

Creator: Rodriguez, Leticia

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

<6mm (1/4").

**Environment Testing** 

# **ANALYTICAL REPORT**

# PREPARED FOR

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

Generated 8/14/2023 9:29:16 PM

# **JOB DESCRIPTION**

Deep Elm AST Spill (Pipeline Road) SDG NUMBER Eddy County, New Mexico

# **JOB NUMBER**

880-31825-1

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 8/14/2023 9:29:16 PM

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

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Client: Carmona Resources Project/Site: Deep Elm AST Spill (Pipeline Road) Laboratory Job ID: 880-31825-1 SDG: Eddy County, New Mexico

# **Table of Contents**

Cover Page	1
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QC Sample Results	13
QC Association Summary	17
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### **Definitions/Glossary**

Job ID: 880-31825-1 Client: Carmona Resources Project/Site: Deep Elm AST Spill (Pipeline Road)

SDG: Eddy County, New Mexico

#### **Qualifiers**

#### **GC VOA**

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

#### **GC Semi VOA**

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

#### **HPLC/IC**

Qualifier **Qualifier Description** 

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

DFR 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

Decision Level Concentration (Radiochemistry) DLC

**EDL** Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE) EPA recommended "Maximum Contaminant Level" MCL

MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

Method Detection Limit MDL 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

Toxicity Equivalent Factor (Dioxin) TEF Toxicity Equivalent Quotient (Dioxin) TEQ

**TNTC** Too Numerous To Count

#### Case Narrative

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31825-1

SDG: Eddy County, New Mexico

Job ID: 880-31825-1

**Laboratory: Eurofins Midland** 

Narrative

Job Narrative 880-31825-1

#### Receipt

The samples were received on 8/9/2023 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -13.3°C

#### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-31825-1), H-2 (0-0.5') (880-31825-2), H-3 (0-0.5') (880-31825-3), H-4 (0-0.5') (880-31825-4), H-5 (0-0.5') (880-31825-5), H-6 (0-0.5') (880-31825-6), H-7 (0-0.5') (880-31825-7) and H-8 (0-0.5') (880-31825-8).

#### GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: H-2 (0-0.5') (880-31825-2) and H-6 (0-0.5') (880-31825-6). 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: (MB 880-59852/5-A). Evidence of matrix interferences is not obvious.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-59869 recovered below the lower control limit for Benzene, Toluene and Ethylbenzene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-59869/33).

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

#### GC Semi VOA

Method 8015MOD NM: The surrogate recovery for the blank associated with preparation batch 880-59848 and analytical batch 880-59901 was outside the upper control limits.

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-59901/20), (CCV 880-59901/31), (CCV 880-59901/5), (LCS 880-59848/2-A) and (LCSD 880-59848/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: H-1 (0-0.5') (880-31825-1), H-4 (0-0.5') (880-31825-4) and (880-31432-A-4-E MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

#### HPLC/IC

Method 300 ORGFM 28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-59728 and analytical batch 880-59864 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31825-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-31825-1

Matrix: Solid

Client Sample ID: H-1	(0-0.5')
Date Collected: 08/07/23 00	0:00

Date Received: 08/09/23 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/10/23 11:41	08/11/23 04:02	1
Toluene	< 0.00199	U	0.00199		mg/Kg		08/10/23 11:41	08/11/23 04:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/10/23 11:41	08/11/23 04:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/10/23 11:41	08/11/23 04:02	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		08/10/23 11:41	08/11/23 04:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/10/23 11:41	08/11/23 04:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130				08/10/23 11:41	08/11/23 04:02	1
1,4-Difluorobenzene (Surr)	79		70 - 130				08/10/23 11:41	08/11/23 04:02	1
Method: TAL SOP Total BTEX - 1	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/11/23 11:23	
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (	GC)	MDI		5	Dogwood	Anabasad	Di 5
Method: SW846 8015 NM - Diese Analyte	Range Organ		GC)	MDL	Unit	<u>D</u>	Prepared	Analyzed	
Method: SW846 8015 NM - Diese Analyte	l Range Organ	ics (DRO) (	GC)	MDL		<u>D</u>	Prepared	Analyzed 08/14/23 22:22	
Method: SW846 8015 NM - Diese Analyte Total TPH	Range Organ Result 64.4	ics (DRO) ( Qualifier	GC)  RL  50.2	MDL	Unit	<u>D</u>	Prepared		
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	Range Organ Result 64.4 sel Range Orga	ics (DRO) ( Qualifier	GC)  RL  50.2		Unit	D_	Prepared Prepared		
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Range Organ Result 64.4 sel Range Orga	ics (DRO) ( Qualifier  nics (DRO) Qualifier	GC)  RL  50.2		Unit mg/Kg			08/14/23 22:22	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Range Organ Result 64.4 sel Range Orga Result	ics (DRO) ( Qualifier  nics (DRO) Qualifier	GC)  RL  50.2  (GC)  RL		Unit mg/Kg		Prepared	08/14/23 22:22  Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GR0)-C6-C10 Diesel Range Organics (Over C10-C28)	Result 64.4 sel Range Organ Result 64.2 sel Range Orga Result <50.2	ics (DRO) ( Qualifier  nics (DRO) Qualifier U	GC)  RL 50.2  (GC)  RL 50.2		Unit mg/Kg  Unit mg/Kg		Prepared 08/10/23 11:15	08/14/23 22:22  Analyzed  08/11/23 14:15	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result 64.4 sel Range Organ Result Sel Range Organ Result < 50.2 64.4	ics (DRO) ( Qualifier  nics (DRO) Qualifier U	GC)  RL 50.2  (GC)  RL 50.2  50.2		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 08/10/23 11:15 08/10/23 11:15	08/14/23 22:22  Analyzed  08/11/23 14:15  08/11/23 14:15	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)  Surrogate	sel Range Organ Result 64.4 sel Range Orga Result <50.2 64.4 <50.2	ics (DRO) ( Qualifier  nics (DRO) Qualifier U	GC)  RL  50.2  (GC)  RL  50.2  50.2  50.2		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 08/10/23 11:15 08/10/23 11:15	08/14/23 22:22  Analyzed 08/11/23 14:15 08/11/23 14:15	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane	Result 64.4 sel Range Orga Result <50.2 %Recovery 132	ics (DRO) ( Qualifier  nics (DRO) Qualifier  U	GC)  RL 50.2  (GC)  RL 50.2  50.2  50.2  Limits		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 08/10/23 11:15 08/10/23 11:15 08/10/23 11:15 Prepared	08/14/23 22:22  Analyzed  08/11/23 14:15  08/11/23 14:15  08/11/23 14:15  Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane o-Terphenyl	Result 64.4 sel Range Orga Result <50.2 %Recovery 132 150	U  Qualifier  U  Qualifier  U  Qualifier  U  Qualifier  S1+ S1+	GC)  RL 50.2  (GC)  RL 50.2  50.2  50.2  Limits 70 - 130 70 - 130		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared  08/10/23 11:15  08/10/23 11:15  08/10/23 11:15  Prepared  08/10/23 11:15	08/14/23 22:22  Analyzed 08/11/23 14:15 08/11/23 14:15  08/11/23 14:15  Analyzed 08/11/23 14:15	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane	Result 64.4 sel Range Organ Result 650.2 64.4 <50.2  %Recovery 132 150  Chromatograp	U  Qualifier  U  Qualifier  U  Qualifier  U  Qualifier  S1+ S1+	GC)  RL 50.2  (GC)  RL 50.2  50.2  50.2  Limits 70 - 130 70 - 130		Unit mg/Kg  Unit mg/Kg mg/Kg mg/Kg		Prepared  08/10/23 11:15  08/10/23 11:15  08/10/23 11:15  Prepared  08/10/23 11:15	08/14/23 22:22  Analyzed 08/11/23 14:15 08/11/23 14:15  08/11/23 14:15  Analyzed 08/11/23 14:15	Dil Face 1 1 1 Dil Face

Client Sample ID: H-2 (0-0.5') Lab Sample ID: 880-31825-2 Date Collected: 08/07/23 00:00 **Matrix: Solid** 

Date Received: 08/09/23 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/10/23 11:41	08/11/23 04:22	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/10/23 11:41	08/11/23 04:22	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/10/23 11:41	08/11/23 04:22	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/10/23 11:41	08/11/23 04:22	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/10/23 11:41	08/11/23 04:22	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/10/23 11:41	08/11/23 04:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130				08/10/23 11:41	08/11/23 04:22	1
1.4-Difluorobenzene (Surr)	64	S1-	70 - 130				08/10/23 11:41	08/11/23 04:22	1

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31825-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-31825-2

**Client Sample ID: H-2 (0-0.5')** Date Collected: 08/07/23 00:00

Matrix: Solid

Date Received: 08/09/23 09:00

Method: TAL SOP Total BT	EX - Total BTEX Cale	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/11/23 11:23	1
Method: SW846 8015 NM -	Diesel Range Organ	ics (DRO) (0	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Total TPH	<50.1	U	50.1		mg/Kg			08/14/23 22:22	
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<50.1	U	50.1		mg/Kg		08/10/23 11:15	08/11/23 14:37	
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.1	U	50.1		mg/Kg		08/10/23 11:15	08/11/23 14:37	
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/10/23 11:15	08/11/23 14:37	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	114		70 - 130				08/10/23 11:15	08/11/23 14:37	
o-Terphenyl	129		70 - 130				08/10/23 11:15	08/11/23 14:37	

	Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
L	Chloride	36.9		5.02		mg/Kg			08/10/23 16:39	1	

Client Sample ID: H-3 (0-0.5') Lab Sample ID: 880-31825-3 Date Collected: 08/07/23 00:00 **Matrix: Solid** 

Date Received: 08/09/23 09:00

Released to Imaging: 3/6/2024 10:34:18 AM

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00198	U	0.00198		mg/Kg		08/10/23 11:41	08/11/23 04:42	
Toluene	<0.00198	U	0.00198		mg/Kg		08/10/23 11:41	08/11/23 04:42	
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/10/23 11:41	08/11/23 04:42	
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/10/23 11:41	08/11/23 04:42	
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/10/23 11:41	08/11/23 04:42	
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/10/23 11:41	08/11/23 04:42	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	81		70 - 130				08/10/23 11:41	08/11/23 04:42	
Method: TAL SOP Total BTEX			70 - 130				08/10/23 11:41	08/11/23 04:42	
Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald	Qualifier	70 - 130  RL 0.00396	MDL	Unit mg/Kg	<u>D</u>	08/10/23 11:41 Prepared	08/11/23 04:42  Analyzed  08/11/23 11:23	Dil Fac
1,4-Difluorobenzene (Surr)  Method: TAL SOP Total BTEX Analyte  Total BTEX  Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00396	<b>Qualifier</b> U	RL 0.00396	MDL		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die	- Total BTEX Calc Result <	<b>Qualifier</b> U	RL 0.00396			<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte	- Total BTEX Calc Result <	Qualifier U ics (DRO) (Qualifier	RL 0.00396		mg/Kg	<u> </u>	Prepared	Analyzed 08/11/23 11:23	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00396 sel Range Organ Result <49.6	Qualifier U ics (DRO) ( Qualifier U	RL 0.00396  GC) RL 49.6		mg/Kg	<u> </u>	Prepared	Analyzed 08/11/23 11:23 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00396 sel Range Organ Result <49.6	Qualifier U ics (DRO) ( Qualifier U	RL 0.00396  GC) RL 49.6	MDL	mg/Kg	<u> </u>	Prepared	Analyzed 08/11/23 11:23 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte Total TPH  Method: SW846 8015B NM - Die	- Total BTEX Calc Result <0.00396 sel Range Organ Result <49.6	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00396  GC) RL 49.6  (GC)	MDL	mg/Kg  Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed  08/11/23 11:23  Analyzed  08/14/23 22:22	Dil Fac

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31825-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-31825-3

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

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

Matrix: Solid

Method: SW846 8015B NM - Die	sel Range Orga	nics (DRO)	(GC) (Continue	ed)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/10/23 11:15	08/11/23 15:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				08/10/23 11:15	08/11/23 15:22	1
o-Terphenyl	120		70 - 130				08/10/23 11:15	08/11/23 15:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride 48.2 5.00 08/10/23 16:47 mg/Kg

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

Date Collected: 08/07/23 00:00

Lab Sample ID: 880-31825-4

**Matrix: Solid** 

Date Received: 08/09/23 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		08/10/23 11:41	08/11/23 05:03	
Toluene	<0.00200	U	0.00200		mg/Kg		08/10/23 11:41	08/11/23 05:03	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/10/23 11:41	08/11/23 05:03	
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/10/23 11:41	08/11/23 05:03	
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/10/23 11:41	08/11/23 05:03	
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/10/23 11:41	08/11/23 05:03	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	77		70 - 130				08/10/23 11:41	08/11/23 05:03	
1,4-Difluorobenzene (Surr)	73		70 - 130				08/10/23 11:41	08/11/23 05:03	
: Method: SW846 8015 NM - Diese	•	, ,,	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.8	U	49.8		mg/Kg			08/14/23 22:22	
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		08/10/23 11:15	08/11/23 15:45	
(GRO)-C6-C10									
(GRO)-C6-C10 Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		08/10/23 11:15	08/11/23 15:45	
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)									
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<49.8 <49.8		49.8 49.8		mg/Kg		08/10/23 11:15 08/10/23 11:15	08/11/23 15:45 08/11/23 15:45	

1-Chlorooctane 131 S1+ 70 - 130 08/10/23 11:15 08/11/23 15:45 137 S1+ 70 - 130 08/10/23 11:15 08/11/23 15:45 o-Terphenyl

Method: EPA 300.0 - Anions, Ion C	hromatograph	ny - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.1		4.98		mg/Kg			08/10/23 16:54	1

Client: Carmona Resources

Job ID: 880-31825-1 Project/Site: Deep Elm AST Spill (Pipeline Road) SDG: Eddy County, New Mexico

Lab Sample ID: 880-31825-5

**Client Sample ID: H-5 (0-0.5')** Date Collected: 08/07/23 00:00

Date Received: 08/09/23 09:00

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/10/23 11:41	08/11/23 05:23	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/10/23 11:41	08/11/23 05:23	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/10/23 11:41	08/11/23 05:23	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/10/23 11:41	08/11/23 05:23	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/10/23 11:41	08/11/23 05:23	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/10/23 11:41	08/11/23 05:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130				08/10/23 11:41	08/11/23 05:23	1
1,4-Difluorobenzene (Surr)	72		70 - 130				08/10/23 11:41	08/11/23 05:23	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/11/23 11:23	1
Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/14/23 22:22	

Method: SW846 8015B NM - Dies	el Range Orga	inics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		08/10/23 11:15	08/11/23 16:08	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		08/10/23 11:15	08/11/23 16:08	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/10/23 11:15	08/11/23 16:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				08/10/23 11:15	08/11/23 16:08	1
o-Terphenyl	122		70 - 130				08/10/23 11:15	08/11/23 16:08	1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble	е						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.1		4.96		mg/Kg			08/10/23 17:01	1

Client Sample ID: H-6 (0-0.5') Lab Sample ID: 880-31825-6 Matrix: Solid Date Collected: 08/07/23 00:00

Date Received: 08/09/23 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/10/23 11:41	08/11/23 05:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/10/23 11:41	08/11/23 05:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/10/23 11:41	08/11/23 05:44	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/10/23 11:41	08/11/23 05:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/10/23 11:41	08/11/23 05:44	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/10/23 11:41	08/11/23 05:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				08/10/23 11:41	08/11/23 05:44	1
1.4-Difluorobenzene (Surr)	57	S1-	70 - 130				08/10/23 11:41	08/11/23 05:44	1

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31825-1

SDG: Eddy County, New Mexico

Lab Sample ID: 880-31825-6

Matrix: Solid

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

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/11/23 11:23	1	

Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	כ	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg	 _		08/14/23 22:22	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.6	U	49.6		mg/Kg		08/10/23 11:15	08/11/23 16:30	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.6	U	49.6		mg/Kg		08/10/23 11:15	08/11/23 16:30	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/10/23 11:15	08/11/23 16:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				08/10/23 11:15	08/11/23 16:30	1
o-Terphenyl	115		70 - 130				08/10/23 11:15	08/11/23 16:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble								
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	36.7	5.02	mg/Kg			08/10/23 17:08	1	

Client Sample ID: H-7 (0-0.5') Lab Sample ID: 880-31825-7 Date Collected: 08/07/23 00:00 **Matrix: Solid** 

Date Received: 08/09/23 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/10/23 11:41	08/11/23 06:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/10/23 11:41	08/11/23 06:04	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		08/10/23 11:41	08/11/23 06:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/10/23 11:41	08/11/23 06:04	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		08/10/23 11:41	08/11/23 06:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/10/23 11:41	08/11/23 06:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				08/10/23 11:41	08/11/23 06:04	1
Method: TAL SOP Total BTEX			70 <sub>-</sub> 130	MDI	llai4		08/10/23 11:41	08/11/23 06:04	,
Method: TAL SOP Total BTEX Analyte	- Total BTEX Cald	Qualifier	RL	MDL	Unit	<u>D</u>	08/10/23 11:41 Prepared	Analyzed	,
1,4-Difluorobenzene (Surr)  Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00398	<b>Qualifier</b> U	RL 0.00398	MDL	Unit mg/Kg	<u>D</u>			,
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Dies	- Total BTEX Calc Result <	Qualifier U	RL 0.00398		mg/Kg	<u> </u>	Prepared	Analyzed 08/11/23 11:23	1
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die: Analyte	- Total BTEX Calc Result <0.00398 sel Range Organ Result	Qualifier U ics (DRO) (Qualifier	RL 0.00398		mg/Kg	<u>D</u>		Analyzed 08/11/23 11:23 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Dies	- Total BTEX Calc Result <	Qualifier U ics (DRO) (Qualifier	RL 0.00398		mg/Kg	<u> </u>	Prepared	Analyzed 08/11/23 11:23	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die: Analyte	- Total BTEX Calc Result <	Qualifier U ics (DRO) ( Qualifier U	RL 0.00398  GC)  RL 49.7		mg/Kg	<u> </u>	Prepared	Analyzed 08/11/23 11:23 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Dies Analyte Total TPH  Method: SW846 8015B NM - Diese	- Total BTEX Calc Result <0.00398 sel Range Organ Result <49.7	Qualifier U ics (DRO) ( Qualifier U	RL 0.00398  GC)  RL 49.7	MDL	mg/Kg	<u> </u>	Prepared	Analyzed 08/11/23 11:23 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die: Analyte Total TPH	- Total BTEX Calc Result <0.00398 sel Range Organ Result <49.7	Qualifier U  ics (DRO) ( Qualifier U  nics (DRO) Qualifier	RL 0.00398  GC)  RL 49.7	MDL	mg/Kg  Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed  08/11/23 11:23  Analyzed  08/14/23 22:22	Dil Fac

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31825-1

SDG: Eddy County, New Mexico

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

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

Lab Sample ID: 880-31825-7

Matrix: Solid

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

Analyte	Result	Qualifier	KL	MDL	Unit	ט	Prepared	Analyzed	DII Fac
Oll Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/10/23 11:15	08/11/23 16:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				08/10/23 11:15	08/11/23 16:53	1
o-Terphenyl	115		70 - 130				08/10/23 11:15	08/11/23 16:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result (	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac	
	Chloride	36.8	F1	5.05	mg/Kg			08/10/23 17:15	1	

**Client Sample ID: H-8 (0-0.5')** 

Date Collected: 08/07/23 00:00

Date Received: 08/09/23 09:00

Lab Sample ID: 880-31825-8

**Matrix: Solid** 

Method: SW846 8021B - Volati	thod: 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		08/10/23 11:41	08/11/23 06:25	1			
Toluene	<0.00198	U	0.00198		mg/Kg		08/10/23 11:41	08/11/23 06:25	1			
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/10/23 11:41	08/11/23 06:25	1			
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/10/23 11:41	08/11/23 06:25	1			
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/10/23 11:41	08/11/23 06:25	1			
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/10/23 11:41	08/11/23 06:25	1			
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	107		70 - 130				08/10/23 11:41	08/11/23 06:25	1			
1,4-Difluorobenzene (Surr)	74		70 - 130				08/10/23 11:41	08/11/23 06:25	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			08/11/23 11:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC	2)
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Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8 U	49.8	mg/Kg			08/14/23 22:22	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		08/10/23 11:15	08/11/23 17:16	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		08/10/23 11:15	08/11/23 17:16	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/10/23 11:15	08/11/23 17:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Q	Qualifier Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90	70 - 130	08/10/23 11:15	08/11/23 17:16	1
o-Terphenyl	97	70 - 130	08/10/23 11:15	08/11/23 17:16	1

#### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	d Analyzed	Dil Fac
Chloride	51.7		4.99		mg/Kg			08/10/23 17:36	1

## **Surrogate Summary**

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31825-1 SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-31825-1	H-1 (0-0.5')	79	79	
880-31825-1 MS	H-1 (0-0.5')	121	118	
380-31825-1 MSD	H-1 (0-0.5')	122	111	
880-31825-2	H-2 (0-0.5')	77	64 S1-	
880-31825-3	H-3 (0-0.5')	81	80	
880-31825-4	H-4 (0-0.5')	77	73	
880-31825-5	H-5 (0-0.5')	76	72	
880-31825-6	H-6 (0-0.5')	92	57 S1-	
880-31825-7	H-7 (0-0.5')	119	74	
380-31825-8	H-8 (0-0.5')	107	74	
LCS 880-59852/1-A	Lab Control Sample	125	113	
LCSD 880-59852/2-A	Lab Control Sample Dup	129	116	
MB 880-59833/5-A	Method Blank	71	97	
MB 880-59852/5-A	Method Blank	69 S1-	83	
Surrogate Legend				
BFB = 4-Bromofluorobe	nzene (Surr)			

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
80-31432-A-4-E MS	Matrix Spike	126	132 S1+	
80-31432-A-4-F MSD	Matrix Spike Duplicate	117	121	
80-31825-1	H-1 (0-0.5')	132 S1+	150 S1+	
80-31825-2	H-2 (0-0.5')	114	129	
80-31825-3	H-3 (0-0.5')	109	120	
80-31825-4	H-4 (0-0.5')	131 S1+	137 S1+	
80-31825-5	H-5 (0-0.5')	116	122	
80-31825-6	H-6 (0-0.5')	104	115	
30-31825-7	H-7 (0-0.5')	105	115	
80-31825-8	H-8 (0-0.5')	90	97	
CS 880-59848/2-A	Lab Control Sample	121	155 S1+	
CSD 880-59848/3-A	Lab Control Sample Dup	123	156 S1+	
IB 880-59848/1-A	Method Blank	107	132 S1+	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

### **QC Sample Results**

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31825-1

SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-59833/5-A

**Matrix: Solid** 

Analysis Batch: 59869

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59833

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/10/23 09:33	08/10/23 17:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/10/23 09:33	08/10/23 17:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/10/23 09:33	08/10/23 17:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/10/23 09:33	08/10/23 17:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/10/23 09:33	08/10/23 17:04	1
Xvlenes Total	<0.00400	U	0.00400		ma/Ka		08/10/23 09:33	08/10/23 17:04	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared
4-Bromofluorobenzene (Surr)	71		70 - 130	08/10/23 09:33
1,4-Difluorobenzene (Surr)	97		70 - 130	08/10/23 09:33

08/10/23 17:04 Client Sample ID: Method Blank

Analyzed

08/10/23 17:04

Prep Type: Total/NA

Prep Batch: 59852

Matrix: Solid

Lab Sample ID: MB 880-59852/5-A

Analysis Batch: 59869

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/10/23 11:41	08/11/23 03:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/10/23 11:41	08/11/23 03:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/10/23 11:41	08/11/23 03:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/10/23 11:41	08/11/23 03:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/10/23 11:41	08/11/23 03:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/10/23 11:41	08/11/23 03:40	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	69	S1-	70 - 130	08/10/23 11:4	08/11/23 03:40	1
1,4-Difluorobenzene (Surr)	83		70 - 130	08/10/23 11:4	1 08/11/23 03:40	1

Lab Sample ID: LCS 880-59852/1-A

**Matrix: Solid** 

**Analysis Batch: 59869** 

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

Prep Batch: 59852

	Spike	LCS	LCS				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	0.100	0.09269		mg/Kg		93	70 - 130	 	
Toluene	0.100	0.1027		mg/Kg		103	70 - 130		
Ethylbenzene	0.100	0.1049		mg/Kg		105	70 - 130		
m-Xylene & p-Xylene	0.200	0.2341		mg/Kg		117	70 - 130		
o-Xylene	0.100	0.1157		mg/Kg		116	70 - 130		

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	125	70 _ 130
1.4-Difluorobenzene (Surr)	113	70 - 130

Lab Sample ID: LCSD 880-59852/2-A

Matrix: Solid

**Analysis Batch: 59869** 

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

Prep Batch: 59852

Spike LCSD LCSD RPD %Rec Result Qualifier Analyte Added Unit %Rec Limits RPD Limit Benzene 0.100 0.09315 mg/Kg 93 70 - 130 0

**Eurofins Midland** 

Dil Fac

### QC Sample Results

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31825-1

SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-59852/2-A **Matrix: Solid** 

Analysis Batch: 59869

Client Sample ID: Lab Control Sample Dup

70 - 130

118

Prep Type: Total/NA Prep Batch: 59852

2

Spike LCSD LCSD %Rec **RPD** Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Toluene 0.100 0.1021 102 70 - 130 35 mg/Kg Ethylbenzene 0.100 0.1065 mg/Kg 106 70 - 130 0.200 m-Xylene & p-Xylene 0.2378 mg/Kg 119 70 - 130 2 35

0.1178

mg/Kg

0.100

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	129		70 - 130
1,4-Difluorobenzene (Surr)	116		70 - 130

Client Sample ID: H-1 (0-0.5') Lab Sample ID: 880-31825-1 MS

**Matrix: Solid** 

o-Xylene

Analysis Batch: 59869

Prep Type: Total/NA

Prep Batch: 59852

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U	0.0996	0.08755		mg/Kg	_	87	70 - 130	
Toluene	<0.00199	U	0.0996	0.08692		mg/Kg		87	70 - 130	
Ethylbenzene	<0.00199	U	0.0996	0.08582		mg/Kg		86	70 - 130	
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1787		mg/Kg		89	70 - 130	
o-Xylene	<0.00199	U	0.0996	0.08562		mg/Kg		86	70 - 130	

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	121	70 - 130
1,4-Difluorobenzene (Surr)	118	70 - 130

Lab Sample ID: 880-31825-1 MSD

**Matrix: Solid** 

Analysis Batch: 59869

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

Prep Type: Total/NA

Prep Batch: 59852

7 mary ord Datom Cocco											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U	0.101	0.09473		mg/Kg		93	70 - 130	8	35
Toluene	<0.00199	U	0.101	0.09766		mg/Kg		97	70 - 130	12	35
Ethylbenzene	<0.00199	U	0.101	0.09844		mg/Kg		98	70 - 130	14	35
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1972		mg/Kg		97	70 - 130	10	35
o-Xylene	<0.00199	U	0.101	0.09325		mg/Kg		92	70 - 130	9	35
The state of the s											

MSD MSD

Surroyate	76Recovery	Qualifier	LIIIIII
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

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

Lab Sample ID: MB 880-59848/1-A

**Matrix: Solid** 

Analysis Batch: 59901

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

Prep Batch: 59848

мв мв Result Qualifier MDL Unit Prepared Gasoline Range Organics <50.0 U 50.0 08/10/23 11:15 08/11/23 07:45 mg/Kg (GRO)-C6-C10

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Released to Imaging: 3/6/2024 10:34:18 AM

### QC Sample Results

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road) SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-59848/1-A **Matrix: Solid** 

Analysis Batch: 59901

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

Prep Batch: 59848

Job ID: 880-31825-1

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac <50.0 U 50.0 08/10/23 11:15 08/11/23 07:45 Diesel Range Organics (Over mg/Kg C10-C28) OII Range Organics (Over C28-C36) 50.0 08/10/23 11:15 08/11/23 07:45 <50.0 U mg/Kg

MB MB

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	08/10/23 11:15	08/11/23 07:45	1
o-Terphenyl	132	S1+	70 - 130	08/10/23 11:15	08/11/23 07:45	1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 880-59848/2-A **Matrix: Solid** Prep Type: Total/NA Prep Batch: 59848

Analysis Batch: 59901

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1072		mg/Kg		107	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1077		mg/Kg		108	70 - 130	
C10-C28)								

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	121		70 - 130
o-Terphenyl	155	S1+	70 - 130

Lab Sample ID: LCSD 880-59848/3-A

**Matrix: Solid** 

**Analysis Batch: 59901** 

Client Sample ID: Lab Control Sample Du	ıp
Prep Type: Total/N	Α

Prep Batch: 59848

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1016		mg/Kg		102	70 - 130	5	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1071		mg/Kg		107	70 - 130	1	20
C10-C28)									

LCSD LCSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 123 70 - 130 o-Terphenyl 156 S1+ 70 - 130

Lab Sample ID: 880-31432-A-4-E MS

**Matrix: Solid** 

Analysis Batch: 59901

Diesel Range Organics (Over

Client Sample ID: Matrix Spike

70 - 130

107

Prep Type: Total/NA Prep Batch: 59848

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits <49.8 U 991 70 - 130 Gasoline Range Organics 1061 103 mg/Kg (GRO)-C6-C10

1146

mg/Kg

991

C10-C28)

	IVIS	IVIS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	126		70 - 130
o-Terphenyl	132	S1+	70 - 130

89.0

**Eurofins Midland** 

8/14/2023

Lab Sample ID: 880-31432-A-4-F MSD

### QC Sample Results

Client: Carmona Resources

Analysis Batch: 59901

Job ID: 880-31825-1 SDG: Eddy County, New Mexico Project/Site: Deep Elm AST Spill (Pipeline Road)

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 59848

-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<49.8	U	1010	1021		mg/Kg		97	70 - 130	4	20
(GRO)-C6-C10											
Diesel Range Organics (Over	89.0		1010	1085		mg/Kg		99	70 - 130	6	20

C10-C28)

**Matrix: Solid** 

MSD MSD

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

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	117		70 - 130
o-Terphenyl	121		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-59728/1-A Client Sample ID: Method Blank **Prep Type: Soluble** 

**Matrix: Solid** 

Analysis Batch: 59864

мв мв

Analyte	Result Q	Qualifier RI	. MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00 U	5.00		mg/Kg			08/10/23 15:13	1

Lab Sample ID: LCS 880-59728/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble** 

**Matrix: Solid** 

Analysis Batch: 59864

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	269.7		mg/Kg		108	90 - 110	 

Lab Sample ID: LCSD 880-59728/3-A

**Matrix: Solid** 

Analysis Batch: 59864

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	272.6		ma/Ka		109	90 - 110	1	20	

Lab Sample ID: 880-31825-7 MS

**Matrix: Solid** 

Analysis Batch: 59864

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	36.8	F1	253	328.6	F1	ma/Ka		116	90 110	

Lab Sample ID: 880-31825-7 MSD

Matrix: Solid

Analysis Ratch: 59864

Alialysis Datcii. 33004											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	36.8	F1	253	328.1	F1	mg/Kg		115	90 - 110	0	20

**Eurofins Midland** 

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

**Prep Type: Soluble** 

**Prep Type: Soluble** 

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

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

## **QC Association Summary**

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31825-1 SDG: Eddy County, New Mexico

#### **GC VOA**

Prep Batch: 59833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-59833/5-A	Method Blank	Total/NA	Solid	5035	

#### Prep Batch: 59852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31825-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-31825-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-31825-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-31825-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-31825-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-31825-6	H-6 (0-0.5')	Total/NA	Solid	5035	
880-31825-7	H-7 (0-0.5')	Total/NA	Solid	5035	
880-31825-8	H-8 (0-0.5')	Total/NA	Solid	5035	
MB 880-59852/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-59852/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-59852/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-31825-1 MS	H-1 (0-0.5')	Total/NA	Solid	5035	
880-31825-1 MSD	H-1 (0-0.5')	Total/NA	Solid	5035	

#### Analysis Batch: 59869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31825-1	H-1 (0-0.5')	Total/NA	Solid	8021B	59852
880-31825-2	H-2 (0-0.5')	Total/NA	Solid	8021B	59852
880-31825-3	H-3 (0-0.5')	Total/NA	Solid	8021B	59852
880-31825-4	H-4 (0-0.5')	Total/NA	Solid	8021B	59852
880-31825-5	H-5 (0-0.5')	Total/NA	Solid	8021B	59852
880-31825-6	H-6 (0-0.5')	Total/NA	Solid	8021B	59852
880-31825-7	H-7 (0-0.5')	Total/NA	Solid	8021B	59852
880-31825-8	H-8 (0-0.5')	Total/NA	Solid	8021B	59852
MB 880-59833/5-A	Method Blank	Total/NA	Solid	8021B	59833
MB 880-59852/5-A	Method Blank	Total/NA	Solid	8021B	59852
LCS 880-59852/1-A	Lab Control Sample	Total/NA	Solid	8021B	59852
LCSD 880-59852/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	59852
880-31825-1 MS	H-1 (0-0.5')	Total/NA	Solid	8021B	59852
880-31825-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8021B	59852

#### Analysis Batch: 59936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31825-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-31825-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-31825-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-31825-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-31825-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-31825-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-31825-7	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	
880-31825-8	H-8 (0-0.5')	Total/NA	Solid	Total BTEX	

#### **GC Semi VOA**

#### Prep Batch: 59848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31825-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	

## **QC Association Summary**

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31825-1 SDG: Eddy County, New Mexico

### GC Semi VOA (Continued)

### Prep Batch: 59848 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31825-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-31825-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-31825-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-31825-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-31825-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-31825-7	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-31825-8	H-8 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-59848/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-59848/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-59848/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-31432-A-4-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-31432-A-4-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

#### Analysis Batch: 59901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31825-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	59848
880-31825-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	59848
880-31825-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	59848
880-31825-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	59848
880-31825-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	59848
880-31825-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	59848
880-31825-7	H-7 (0-0.5')	Total/NA	Solid	8015B NM	59848
880-31825-8	H-8 (0-0.5')	Total/NA	Solid	8015B NM	59848
MB 880-59848/1-A	Method Blank	Total/NA	Solid	8015B NM	59848
LCS 880-59848/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	59848
LCSD 880-59848/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	59848
880-31432-A-4-E MS	Matrix Spike	Total/NA	Solid	8015B NM	59848
880-31432-A-4-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	59848

#### **Analysis Batch: 60225**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-31825-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-31825-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-31825-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-31825-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-31825-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-31825-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-31825-7	H-7 (0-0.5')	Total/NA	Solid	8015 NM	
880-31825-8	H-8 (0-0.5')	Total/NA	Solid	8015 NM	

### HPLC/IC

#### Leach Batch: 59728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31825-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-31825-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-31825-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-31825-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-31825-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-31825-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-31825-7	H-7 (0-0.5')	Soluble	Solid	DI Leach	

**Eurofins Midland** 

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## **QC Association Summary**

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31825-1

SDG: Eddy County, New Mexico

### **HPLC/IC (Continued)**

### Leach Batch: 59728 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31825-8	H-8 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-59728/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-59728/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-59728/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-31825-7 MS	H-7 (0-0.5')	Soluble	Solid	DI Leach	
880-31825-7 MSD	H-7 (0-0.5')	Soluble	Solid	DI Leach	

#### Analysis Batch: 59864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31825-1	H-1 (0-0.5')	Soluble	Solid	300.0	59728
880-31825-2	H-2 (0-0.5')	Soluble	Solid	300.0	59728
880-31825-3	H-3 (0-0.5')	Soluble	Solid	300.0	59728
880-31825-4	H-4 (0-0.5')	Soluble	Solid	300.0	59728
880-31825-5	H-5 (0-0.5')	Soluble	Solid	300.0	59728
880-31825-6	H-6 (0-0.5')	Soluble	Solid	300.0	59728
880-31825-7	H-7 (0-0.5')	Soluble	Solid	300.0	59728
880-31825-8	H-8 (0-0.5')	Soluble	Solid	300.0	59728
MB 880-59728/1-A	Method Blank	Soluble	Solid	300.0	59728
LCS 880-59728/2-A	Lab Control Sample	Soluble	Solid	300.0	59728
LCSD 880-59728/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59728
880-31825-7 MS	H-7 (0-0.5')	Soluble	Solid	300.0	59728
880-31825-7 MSD	H-7 (0-0.5')	Soluble	Solid	300.0	59728

**Eurofins Midland** 

2

0

8

10

12

13

14

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31825-1 SDG: Eddy County, New Mexico

Lab Sample ID: 880-31825-1

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

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	59852	08/10/23 11:41	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59869	08/11/23 04:02	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59936	08/11/23 11:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			60225	08/14/23 22:22	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	59848	08/10/23 11:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59901	08/11/23 14:15	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	59728	08/09/23 09:40	KS	EET MID
Soluble	Analysis	300.0		1			59864	08/10/23 16:18	CH	EET MID

**Client Sample ID: H-2 (0-0.5')** Lab Sample ID: 880-31825-2

Date Collected: 08/07/23 00:00

Date Received: 08/09/23 09:00

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	59852	08/10/23 11:41	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59869	08/11/23 04:22	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59936	08/11/23 11:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			60225	08/14/23 22:22	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	59848	08/10/23 11:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59901	08/11/23 14:37	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59728	08/09/23 09:40	KS	EET MID
Soluble	Analysis	300.0		1			59864	08/10/23 16:39	CH	EET MID

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

Date Collected: 08/07/23 00:00

Date Received: 08/09/23 09:00

Lab Sample ID: 880-31825-3

**Matrix: Solid** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	59852	08/10/23 11:41	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59869	08/11/23 04:42	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59936	08/11/23 11:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			60225	08/14/23 22:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	59848	08/10/23 11:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59901	08/11/23 15:22	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59728	08/09/23 09:40	KS	EET MID
Soluble	Analysis	300.0		1			59864	08/10/23 16:47	CH	EET MID

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

Date Collected: 08/07/23 00:00

Date Received: 08/09/23 09:00

Lab Sample ID: 880-31825-	4
Matrix: Sol	id

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	59852	08/10/23 11:41	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59869	08/11/23 05:03	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59936	08/11/23 11:23	SM	EET MID

**Eurofins Midland** 

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#### Lab Chronicle

Client: Carmona Resources

Soluble

Soluble

Project/Site: Deep Elm AST Spill (Pipeline Road)

Leach

Analysis

DI Leach

300.0

SDG: Eddy County, New Mexico

Lab Sample ID: 880-31825-4 **Client Sample ID: H-4 (0-0.5')** Date Collected: 08/07/23 00:00

Matrix: Solid

EET MID

**EET MID** 

Job ID: 880-31825-1

Date Received: 08/09/23 09:00 Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA 8015 NM 60225 Analysis 08/14/23 22:22 SM EET MID Total/NA Prep 8015NM Prep 10.05 g 10 mL 59848 08/10/23 11:15 TKC **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 59901 08/11/23 15:45 SM EET MID

1

Lab Sample ID: 880-31825-5

KS

СН

Client Sample ID: H-5 (0-0.5') Date Collected: 08/07/23 00:00

5.02 g

50 mL

59728

59864

08/09/23 09:40

08/10/23 16:54

**Matrix: Solid** Date Received: 08/09/23 09:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	59852	08/10/23 11:41	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59869	08/11/23 05:23	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59936	08/11/23 11:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			60225	08/14/23 22:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	59848	08/10/23 11:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59901	08/11/23 16:08	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	59728	08/09/23 09:40	KS	EET MID
Soluble	Analysis	300.0		1			59864	08/10/23 17:01	CH	EET MID

**Client Sample ID: H-6 (0-0.5')** Lab Sample ID: 880-31825-6

Date Collected: 08/07/23 00:00 **Matrix: Solid** Date Received: 08/09/23 09:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	59852	08/10/23 11:41	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59869	08/11/23 05:44	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59936	08/11/23 11:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			60225	08/14/23 22:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	59848	08/10/23 11:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59901	08/11/23 16:30	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59728	08/09/23 09:40	KS	EET MID
Soluble	Analysis	300.0		1			59864	08/10/23 17:08	CH	EET MID

Client Sample ID: H-7 (0-0.5') Lab Sample ID: 880-31825-7

Date Collected: 08/07/23 00:00 **Matrix: Solid** Date Received: 08/09/23 09:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	59852	08/10/23 11:41	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59869	08/11/23 06:04	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59936	08/11/23 11:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			60225	08/14/23 22:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	59848	08/10/23 11:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59901	08/11/23 16:53	SM	EET MID

### **Lab Chronicle**

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31825-1 SDG: Eddy County, New Mexico

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

Date Collected: 08/07/23 00:00 Date Received: 08/09/23 09:00 Lab Sample ID: 880-31825-7

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	59728	08/09/23 09:40	KS	EET MID
Soluble	Analysis	300.0		1			59864	08/10/23 17:15	CH	EET MID

**Client Sample ID: H-8 (0-0.5')** 

Date Collected: 08/07/23 00:00

Date Received: 08/09/23 09:00

Lab	Sam	ole I	D:	880-31	825-8

**Matrix: Solid** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	59852	08/10/23 11:41	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59869	08/11/23 06:25	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59936	08/11/23 11:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			60225	08/14/23 22:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	59848	08/10/23 11:15	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59901	08/11/23 17:16	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59728	08/09/23 09:40	KS	EET MID
Soluble	Analysis	300.0		1			59864	08/10/23 17:36	CH	EET MID

**Laboratory References:** 

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

## **Accreditation/Certification Summary**

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31825-1

SDG: Eddy County, New Mexico

### **Laboratory: Eurofins Midland**

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

uthority		Program	Identification Number	<b>Expiration Date</b>
xas		NELAP	T104704400-23-26	06-30-24
The following analytes he agency does not of	•	t, but the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes fo
Analysis Method	Prep Method	Matrix	Analyte	
300.0		Solid	Chloride	
3015 NM		Solid	Total TPH	
3015B NM	8015NM Prep	Solid	Diesel Range Organics (Over	C10-C28)
3015B NM	8015NM Prep	Solid	Gasoline Range Organics (GF	RO)-C6-C10
8015B NM	8015NM Prep	Solid	Oll Range Organics (Over C2	8-C36)
8021B	5035	Solid	Benzene	
021B	5035	Solid	Ethylbenzene	
8021B	5035	Solid	m-Xylene & p-Xylene	
8021B	5035	Solid	o-Xylene	
8021B	5035	Solid	Toluene	
8021B	5035	Solid	Xylenes, Total	
Total BTEX		Solid	Total BTEX	

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### **Method Summary**

Client: Carmona Resources

Project/Site: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31825-1

SDG: Eddy 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: Deep Elm AST Spill (Pipeline Road)

Job ID: 880-31825-1

SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-31825-1	H-1 (0-0.5')	Solid	08/07/23 00:00	08/09/23 09:00
880-31825-2	H-2 (0-0.5')	Solid	08/07/23 00:00	08/09/23 09:00
880-31825-3	H-3 (0-0.5')	Solid	08/07/23 00:00	08/09/23 09:00
880-31825-4	H-4 (0-0.5')	Solid	08/07/23 00:00	08/09/23 09:00
880-31825-5	H-5 (0-0.5')	Solid	08/07/23 00:00	08/09/23 09:00
880-31825-6	H-6 (0-0.5')	Solid	08/07/23 00:00	08/09/23 09:00
880-31825-7	H-7 (0-0.5')	Solid	08/07/23 00:00	08/09/23 09:00
880-31825-8	H-8 (0-0.5')	Solid	08/07/23 00:00	08/09/23 09:00

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					OIII (O (II dinerent)	ŋ	I odd yvells	vvells					WOLV	Work Order Comments	
Company tallio					Collibally Wallie	ā	E 0 G	EOG Kesources	es				Program: USI/PST LPRP L rownfields	☐rownfields ☐RC	C   perfund
Address 31	310 W Wall St Ste 500	00			Address		5509 (	5509 Champions Dr	ons Dr				State of Project:		
City, State ZIP Mi	Midland, TX 79701				City, State ZIP		Midlan	Midland, Tx 79706	706				Reporting Level II Level III	II □ST/UST □RRP	_
Phone (4:	(432) 813-6823			Email	Todd Wells@eogresources.com	Deogreso	irces co	m					Deliverables EDD	ADaPT 🗆	ď
Project Name	Deep Elm AST Spill (Pipeline Road)	spill (Pipeline	Road)	Turn	Turn Around		1				ANALYSIS REQUEST	SIS RE	DUEST	Preservative Codes	vativ.
Project Number	N	2109		Routine	<ul><li>✓ Rush</li></ul>	Pres.		-	$\dashv$	_		4		None NO	,
Project Location	Eddy Count	Eddy County, New Mexico		Due Date	72 Hours			2/4	4	+	1	4			MODEL NO.
Sampler's Name	GP	GPJ/JR						80						HC 45	END. EX
PO#.						<b>s</b>		35)						H-00. H-	NI SONLI
SAMPLE RECEIPT	Temp Blank	_	Yes No	) Wet Ice	No.	eter	В	to C	.0					1200	140
Received Intent	1				Ø,	ame	)21	Ext	300					13FO4 11T	
Cooler Custody Seals	<u> </u>		Comertion Eartor		ナルが	Par	X 8	<del>05-</del> (	ride					Namo Namo	S.
Sample Custody Seals	8	1	Temperature Reading	dina	177		вті	ХĦ	Chlo					Na <sub>2</sub> O <sub>2</sub> O <sub>3</sub> Na <sub>3</sub> O <sub>3</sub>	3
Total Containers		Con	Corrected Temperature	rature	-175.5	[יינ		PH.		<del></del>				NaOH+Ascorbic Acid SAPC	bic Ac
Sample Identification		Date	Time	Soll	Water Comp	np Cont								Sample Comments	e Con
H-1 (0-0 5')		8/7/2023		×	G	-+	×	×	×	1					
H-2 (0-0 5)		8/7/2023		×	G		×	×	×			-			
H-3 (0-0 5)		8/7/2023		×	G	-1	×	×	<u>×</u>			-			
H-4 (0-0 5')		8/7/2023		×	G	<u>-</u>	×	×	×			-			
H-5 (0-0 5)		8/7/2023		×	G		×	×	×			$\dashv$			
H-6 (0-0 5)		8/7/2023		×	G		×	×	×			_			
H-7 (0-0 5')		8/7/2023		×	G	1	×	×	×			-			
H-8 (0-0 5')		8/7/2023		×	G		×	×	×						
Commonte: Email to	Niko Camona /	)cacomeral				3 N									
Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonareso	o Mike Carmona /	Mcarmona(	)carmonare	sources.com	and Conner		A CWO	ehring	@ carm	onareso	urces.com	8			
	Relinq	Relinquished by (Signature)	Signature)			3	Date/Time	Time				₽ <sub>R</sub>	Received by (Signature)		Date/Time
10		1	OCT. PARTY AND ADDRESS OF THE PARTY AND ADDRES			8	9	3.6					XXX		



### **Login Sample Receipt Checklist**

Client: Carmona Resources

Job Number: 880-31825-1

SDG Number: Eddy County, New Mexico

Login Number: 31825
List Source: Eurofins Midland
List Number: 1

Creator: Rodriguez, Leticia

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

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October 02, 2023

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

RE: DEEP ELM AST SPILL (PIPELINE ROAD)

Enclosed are the results of analyses for samples received by the laboratory on 09/27/23 10:59.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

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

Received: 09/27/2023 Reported:

10/02/2023 Sampling Type:

Analyzed By MC

Project Name: DEEP ELM AST SPILL (PIPELINE ROAD) Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO Sampling Date: 09/26/2023

Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

#### Sample ID: T - 1 (0-1') (H235268-01)

DTEV 0021D

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.10	105	2.00	2.21	
Toluene*	<0.050	0.050	09/28/2023	ND	2.22	111	2.00	3.92	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.17	109	2.00	3.70	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.17	103	6.00	4.22	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	09/28/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	175	87.5	200	0.263	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	197	98.7	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	76.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.5	% 49.1-14	8						

#### Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

10/02/2023 DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: DEEP Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO

mg/kg

Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

#### Sample ID: T - 1 (1.5') (H235268-02)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	u by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.10	105	2.00	2.21	
Toluene*	<0.050	0.050	09/28/2023	ND	2.22	111	2.00	3.92	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.17	109	2.00	3.70	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.17	103	6.00	4.22	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/28/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	175	87.5	200	0.263	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	197	98.7	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	79.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.6	% 49.1-14	8						

Analyzed By: MS

Cardinal Laboratories \*=Accredited Analyte

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#### Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

#### Sample ID: T - 1 (2.0') (H235268-03)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.10	105	2.00	2.21	
Toluene*	<0.050	0.050	09/28/2023	ND	2.22	111	2.00	3.92	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.17	109	2.00	3.70	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.17	103	6.00	4.22	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	09/28/2023	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	175	87.5	200	0.263	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	197	98.7	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	80.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.2	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

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

Fax To:

Received: 09/27/2023 Reported: 10/02/2023 Sampling Date: 09/26/2023 Sampling Type: Soil

Project Name:

BTEX 8021B

DEEP ELM AST SPILL (PIPELINE ROAD)

Sampling Condition: Cool & Intact

Project Number: 2109 Sample Received By:

Shalyn Rodriguez

Project Location: EOG - EDDY COUNTY, NEW MEXICO

mg/kg

#### Sample ID: T - 1 (2.5') (H235268-04)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.10	105	2.00	2.21	
Toluene*	<0.050	0.050	09/28/2023	ND	2.22	111	2.00	3.92	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.17	109	2.00	3.70	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.17	103	6.00	4.22	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/28/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	175	87.5	200	0.263	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	197	98.7	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	80.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.2	% 49.1-14	8						

Analyzed By: MS

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Celey D. Keene



#### Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: DEEP Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO

mg/kg

Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

#### Sample ID: T - 1 (3.0') (H235268-05)

BTEX 8021B

DILX GOZID	mg/	- Kg	Andryzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.10	105	2.00	2.21	
Toluene*	<0.050	0.050	09/28/2023	ND	2.22	111	2.00	3.92	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.17	109	2.00	3.70	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.17	103	6.00	4.22	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	09/28/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	175	87.5	200	0.263	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	197	98.7	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	74.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.6	% 49.1-14	8						

Analyzed By: MS

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



09/26/2023

#### Analytical Results For:

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

Fax To:

Received: 09/27/2023 Reported:

10/02/2023 Sampling Type: Soil

Sampling Date:

Project Name:

DEEP ELM AST SPILL (PIPELINE ROAD) Sampling Condition: Cool & Intact Project Number: Sample Received By: 2109 Shalyn Rodriguez

Project Location: EOG - EDDY COUNTY, NEW MEXICO

#### Sample ID: T - 2 (0-1') (H235268-06)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.10	105	2.00	2.21	
Toluene*	<0.050	0.050	09/28/2023	ND	2.22	111	2.00	3.92	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.17	109	2.00	3.70	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.17	103	6.00	4.22	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 %	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	09/28/2023	ND	400	100	400	3.92	
TPH 8015M	mg/	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	175	87.5	200	0.263	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	197	98.7	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	79.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.0	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

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

Received: 09/27/2023

Sampling Date: 09/26/2023

Reported: 10/02/2023
Project Name: DEEP ELM AST SPILL (PIPELINE ROAD)

Sampling Type: Soil

Project Number: 2109

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Project Location: EOG - EDDY COUNTY, NEW MEXICO

mg/kg

Sample ID: T - 2 (1.5') (H235268-07)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.10	105	2.00	2.21	
Toluene*	<0.050	0.050	09/28/2023	ND	2.22	111	2.00	3.92	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.17	109	2.00	3.70	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.17	103	6.00	4.22	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3280	16.0	09/28/2023	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	175	87.5	200	0.263	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	197	98.7	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	84.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.9	% 49.1-14	8						

Analyzed By: MS

Cardinal Laboratories \*=Accredited Analyte

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#### Analytical Results For:

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

Fax To:

Received: 09/27/2023 Reported: 10/02/2023 Sampling Date: 09/26/2023 Sampling Type:

Project Name:

DEEP ELM AST SPILL (PIPELINE ROAD)

EOG - EDDY COUNTY, NEW MEXICO

Soil

Project Location:

BTEX 8021B

mg/kg

Sampling Condition: Cool & Intact

Project Number:

2109

Sample Received By:

Shalyn Rodriguez

Sample ID: T - 2 (2.0') (H235268-08)

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.10	105	2.00	2.21	
Toluene*	<0.050	0.050	09/28/2023	ND	2.22	111	2.00	3.92	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.17	109	2.00	3.70	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.17	103	6.00	4.22	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/28/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	175	87.5	200	0.263	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	197	98.7	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	68.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.8	% 49.1-14	8						

Analyzed By: MS

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#### Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

#### Sample ID: T - 2 (3.0') (H235268-09)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.10	105	2.00	2.21	
Toluene*	<0.050	0.050	09/28/2023	ND	2.22	111	2.00	3.92	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.17	109	2.00	3.70	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.17	103	6.00	4.22	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	09/28/2023	ND	400	100	400	3.92	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	175	87.5	200	0.263	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	197	98.7	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	68.5 % 48.2-1.		4						
Surrogate: 1-Chlorooctadecane	78.9	% 49.1-14	8						

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#### Analytical Results For:

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

Fax To:

Received: 09/27/2023 Reported:

Sampling Date: 09/26/2023 Sampling Type: Soil

Project Name:

BTEX 8021B

10/02/2023 DEEP ELM AST SPILL (PIPELINE ROAD)

Project Number: 2109 Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Project Location: EOG - EDDY COUNTY, NEW MEXICO

mg/kg

#### Sample ID: T - 2 (4.0') (H235268-10)

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.10	105	2.00	2.21	
Toluene*	<0.050	0.050	09/28/2023	ND	2.22	111	2.00	3.92	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.17	109	2.00	3.70	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.17	103	6.00	4.22	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 % 71.5-13		4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	09/28/2023	ND	400	100	400	3.92	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	175	87.5	200	0.263	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	197	98.7	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	81.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.3	% 49.1-14	8						

Analyzed By: MS

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## Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

# Sample ID: T - 3 (0-1') (H235268-11)

BTEX 8021B	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.10	105	2.00	2.21	
Toluene*	< 0.050	0.050	09/28/2023	ND	2.22	111	2.00	3.92	
Ethylbenzene*	< 0.050	0.050	09/28/2023	ND	2.17	109	2.00	3.70	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.17	103	6.00	4.22	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	14						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	28000	16.0	09/28/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	175	87.5	200	0.263	
DRO >C10-C28*	146	10.0	09/28/2023	ND	197	98.7	200	6.20	
EXT DRO >C28-C36	34.6	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	82.1	% 48.2-13	14						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	18						

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## Analytical Results For:

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

Fax To:

Received: 09/27/2023 Reported: 10/02/2023 Sampling Date: 09/26/2023 Sampling Type: Soil

Project Name:

BTEX 8021B

DEEP ELM AST SPILL (PIPELINE ROAD)

Sampling Condition: Cool & Intact

Project Number: 2109 Sample Received By: Shalyn Rodriguez

Project Location: EOG - EDDY COUNTY, NEW MEXICO

mg/kg

# Sample ID: T - 3 (1.5') (H235268-12)

DILX GOZID	ıııg,	, kg	Andryzo	u by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.10	105	2.00	2.21	
Toluene*	<0.050	0.050	09/28/2023	ND	2.22	111	2.00	3.92	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.17	109	2.00	3.70	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.17	103	6.00	4.22	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3440	16.0	09/28/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	175	87.5	200	0.263	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	197	98.7	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	84.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.3	% 49.1-14	8						

Analyzed By: MS

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Keine



## Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

DEEP ELM AST SPILL (PIPELINE ROAD)

Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO

Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

# Sample ID: T - 3 (2.0') (H235268-13)

Project Name:

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.10	105	2.00	2.21	
Toluene*	<0.050	0.050	09/28/2023	ND	2.22	111	2.00	3.92	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.17	109	2.00	3.70	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.17	103	6.00	4.22	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	09/28/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	175	87.5	200	0.263	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	197	98.7	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	83.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.5	% 49.1-14	8						

Analyzed By: MC

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## Analytical Results For:

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

Received: 09/27/2023 Reported:

10/02/2023 DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

# Sample ID: T - 3 (2.5') (H235268-14)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.10	105	2.00	2.21	
Toluene*	<0.050	0.050	09/28/2023	ND	2.22	111	2.00	3.92	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.17	109	2.00	3.70	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.17	103	6.00	4.22	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/28/2023	ND	400	100	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	175	87.5	200	0.263	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	197	98.7	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	79.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.0	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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## Analytical Results For:

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

Received: 09/27/2023 Reported:

10/02/2023 DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

# Sample ID: T - 4 (0-1') (H235268-15)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.10	105	2.00	2.21	
Toluene*	<0.050	0.050	09/28/2023	ND	2.22	111	2.00	3.92	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.17	109	2.00	3.70	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.17	103	6.00	4.22	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15800	16.0	09/28/2023	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	175	87.5	200	0.263	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	197	98.7	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	84.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.8	% 49.1-14	8						

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## Analytical Results For:

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

Fax To:

Received: 09/27/2023 Reported: 10/02/2023 Sampling Date: 09/26/2023 Sampling Type: Soil

Project Name:

Project Location:

DEEP ELM AST SPILL (PIPELINE ROAD)

Sampling Condition: Cool & Intact Sample Received By:

Project Number:

2109 EOG - EDDY COUNTY, NEW MEXICO Shalyn Rodriguez

# Sample ID: T - 4 (1.5') (H235268-16)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.10	105	2.00	2.21	
Toluene*	<0.050	0.050	09/28/2023	ND	2.22	111	2.00	3.92	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.17	109	2.00	3.70	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.17	103	6.00	4.22	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 %	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3840	16.0	09/28/2023	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	175	87.5	200	0.263	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	197	98.7	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	87.3 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.5	% 49.1-14	8						

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## Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: DEEP Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO

mg/kg

Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

# Sample ID: T - 4 (2.0') (H235268-17)

BTEX 8021B

	<u> </u>			• •					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.10	105	2.00	2.21	
Toluene*	<0.050	0.050	09/28/2023	ND	2.22	111	2.00	3.92	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.17	109	2.00	3.70	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.17	103	6.00	4.22	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	175	87.5	200	0.263	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	197	98.7	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	78.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.6	% 49.1-14	8						

Analyzed By: MS

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## Analytical Results For:

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

Fax To:

Received: 09/27/2023 Reported:

Sampling Date: 09/26/2023 10/02/2023 Sampling Type: Soil

Project Name: DEEP ELM AST SPILL (PIPELINE ROAD) Project Number: 2109

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Project Location: EOG - EDDY COUNTY, NEW MEXICO

mg/kg

## Sample ID: T - 4 (2.5') (H235268-18)

BTEX 8021B

	9,	9	7	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.10	105	2.00	2.21	
Toluene*	<0.050	0.050	09/28/2023	ND	2.22	111	2.00	3.92	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.17	109	2.00	3.70	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.17	103	6.00	4.22	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	175	87.5	200	0.263	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	197	98.7	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	75.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.7	% 49.1-14	8						

Analyzed By: MS

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## Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: DEEP Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO

mg/kg

Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

# Sample ID: T - 5 (0-1') (H235268-19)

BTEX 8021B

	9/	9	7111411720						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.10	105	2.00	2.21	
Toluene*	<0.050	0.050	09/28/2023	ND	2.22	111	2.00	3.92	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.17	109	2.00	3.70	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.17	103	6.00	4.22	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2040	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	185	92.3	200	0.0108	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	189	94.5	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	79.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.7	% 49.1-14	8						

Analyzed By: MS

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## Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

10/02/2023 DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: DEEP Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO

mg/kg

Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

# Sample ID: T - 5 (1.5') (H235268-20)

BTEX 8021B

DIEX GOZID	11197	- Kg	Alldiyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.10	105	2.00	2.21	
Toluene*	<0.050	0.050	09/28/2023	ND	2.22	111	2.00	3.92	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.17	109	2.00	3.70	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.17	103	6.00	4.22	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4560	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	185	92.3	200	0.0108	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	189	94.5	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	78.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.1	% 49.1-14	8						

Analyzed By: MS

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## Analytical Results For:

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

Received: 09/27/2023 Reported:

10/02/2023 DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

# Sample ID: T - 5 (2.0') (H235268-21)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.02	101	2.00	3.87	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.03	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.16	103	6.00	4.72	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5120	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	185	92.3	200	0.0108	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	189	94.5	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	78.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.5	% 49.1-14	8						

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## Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: DEEP Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO

Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

# Sample ID: T - 5 (3.0') (H235268-22)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.02	101	2.00	3.87	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.03	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.16	103	6.00	4.72	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	185	92.3	200	0.0108	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	189	94.5	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	81.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.5	% 49.1-14	8						

Analyzed By: MC

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



## Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

10/02/2023 DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: DEEP Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO

Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

# Sample ID: T - 5 (4.0') (H235268-23)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.02	101	2.00	3.87	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.03	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.16	103	6.00	4.72	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	185	92.3	200	0.0108	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	189	94.5	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	79.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.0	% 49.1-14	8						

Analyzed By: MC

Cardinal Laboratories \*=Accredited Analyte

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## Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

# Sample ID: T - 6 (0-1') (H235268-24)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.02	101	2.00	3.87	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.03	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.16	103	6.00	4.72	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5440	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	185	92.3	200	0.0108	
DRO >C10-C28*	93.4	10.0	09/28/2023	ND	189	94.5	200	3.15	
EXT DRO >C28-C36	33.5	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	81.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.4	% 49.1-14	8						

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Celey D. Keene



## Analytical Results For:

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

Received: 09/27/2023

Sampling Date: 09/26/2023

Reported: 10/02/2023
Project Name: DEEP ELM AST SPILL (PIPELINE ROAD)

Sampling Type: Soil

Project Number: 2109

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Project Location: EOG - EDDY COUNTY, NEW MEXICO

mg/kg

Sample ID: T - 6 (1.5') (H235268-25)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.02	101	2.00	3.87	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.03	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.16	103	6.00	4.72	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4720	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	185	92.3	200	0.0108	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	189	94.5	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	83.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

Analyzed By: MS

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## Analytical Results For:

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

Fax To:

Received: 09/27/2023 Reported:

10/02/2023 Sampling Type: Soil Sampling Condition:

Project Name: DEEP ELM AST SPILL (PIPELINE ROAD) Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO

mg/kg

Sampling Date: 09/26/2023

Cool & Intact

Sample Received By: Shalyn Rodriguez

# Sample ID: T - 6 (2.0') (H235268-26)

BTEX 8021B

	9,	9	7	7					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.02	101	2.00	3.87	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.03	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.16	103	6.00	4.72	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1570	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	185	92.3	200	0.0108	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	189	94.5	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	81.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.1	% 49.1-14	8						

Analyzed By: MS

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## Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: DEEP Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO

Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

## Sample ID: T - 6 (3.0') (H235268-27)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.02	101	2.00	3.87	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.03	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.16	103	6.00	4.72	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	185	92.3	200	0.0108	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	189	94.5	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	78.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.3	% 49.1-14	8						

Analyzed By: MC

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## Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

10/02/2023 DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: DEEP Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO

Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

# Sample ID: T - 6 (4.0') (H235268-28)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.02	101	2.00	3.87	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.03	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.16	103	6.00	4.72	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	185	92.3	200	0.0108	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	189	94.5	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	73.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.4	% 49.1-14	8						

Analyzed By: MC

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## Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

10/02/2023 DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: DEEP Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO

mg/kg

Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

# Sample ID: T - 7 (0-1') (H235268-29)

BTEX 8021B

	9/	9	7						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.02	101	2.00	3.87	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.03	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.16	103	6.00	4.72	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	185	92.3	200	0.0108	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	189	94.5	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	79.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.0	% 49.1-14	8						

Analyzed By: MS

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## Analytical Results For:

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

Received: 09/27/2023 Reported:

10/02/2023 Sampling Type: DEEP ELM AST SPILL (PIPELINE ROAD) Sampling Condition:

Analyzed By: MS

Project Name: Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO

mg/kg

Sampling Date: 09/26/2023

Sample Received By:

Soil

Cool & Intact Shalyn Rodriguez

# Sample ID: T - 7 (1.5') (H235268-30)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.02	101	2.00	3.87	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.03	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.16	103	6.00	4.72	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1170	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	185	92.3	200	0.0108	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	189	94.5	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	71.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.4	% 49.1-14	8						

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Celeg D. Keine



# Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

10/02/2023 DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: DEEP Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO

mg/kg

Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

# Sample ID: T - 7 (2.0') (H235268-31)

BTEX 8021B

	9/	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.02	101	2.00	3.87	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.03	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.16	103	6.00	4.72	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	185	92.3	200	0.0108	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	189	94.5	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	70.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.2	% 49.1-14	8						

Analyzed By: MS

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Celeg D. Freene



## Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

# Sample ID: T - 7 (3.0') (H235268-32)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.02	101	2.00	3.87	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.03	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.16	103	6.00	4.72	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	185	92.3	200	0.0108	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	189	94.5	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	73.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.6	% 49.1-14	8						

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## Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: DEEP Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO

mg/kg

Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

# Sample ID: T - 7 (4.0') (H235268-33)

BTEX 8021B

DILX GOZID	ilig/	, kg	Alldiyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.02	101	2.00	3.87	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.03	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.16	103	6.00	4.72	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	185	92.3	200	0.0108	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	189	94.5	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	71.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.8	% 49.1-14	8						

Analyzed By: MS

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## Analytical Results For:

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

Fax To:

Received: 09/27/2023 Reported:

10/02/2023 Sampling Type: Soil Sampling Condition:

Project Name: DEEP ELM AST SPILL (PIPELINE ROAD) Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO Sampling Date: 09/26/2023

Sample Received By:

Cool & Intact Shalyn Rodriguez

Sample ID: T - 8 (0-1') (H235268-34)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.02	101	2.00	3.87	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.03	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.16	103	6.00	4.72	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2840	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	185	92.3	200	0.0108	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	189	94.5	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	83.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100 9	% 49.1-14	8						

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## Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: DEEP Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO

Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

# Sample ID: T - 8 (1.5') (H235268-35)

RTFY 8021R

B1EX 8021B	mg,	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.02	101	2.00	3.87	
Toluene*	< 0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.03	
Ethylbenzene*	< 0.050	0.050	09/28/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.16	103	6.00	4.72	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2200	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	185	92.3	200	0.0108	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	189	94.5	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	83.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.6	% 49.1-14	8						

Analyzed By: MC

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## Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

DEEP ELM AST SPILL (PIPELINE ROAD)

Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO

mg/kg

Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

# Sample ID: T - 8 (2.0') (H235268-36)

Project Name:

BTEX 8021B

	9/	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.02	101	2.00	3.87	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.03	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.16	103	6.00	4.72	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4400	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	185	92.3	200	0.0108	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	189	94.5	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123	% 49.1-14	8						

Analyzed By: MS

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## Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

DEEP ELM AST SPILL (PIPELINE ROAD)

Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO

Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

# Sample ID: T - 8 (3.0') (H235268-37)

Project Name:

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.02	101	2.00	3.87	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.03	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.16	103	6.00	4.72	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	09/28/2023	ND	432	108	400	0.00	QM-07
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	185	92.3	200	0.0108	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	189	94.5	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	89.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

Analyzed By: MC

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## Analytical Results For:

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

Fax To:

Received: 09/27/2023 10/02/2023 Sampling Date: 09/26/2023 Sampling Type: Soil

Reported: Project Name:

RTFY 8021R

DEEP ELM AST SPILL (PIPELINE ROAD)

Sampling Condition: Cool & Intact

Project Number: 2109 Sample Received By: Shalyn Rodriguez

Project Location: EOG - EDDY COUNTY, NEW MEXICO

# Sample ID: T - 8 (4.0') (H235268-38)

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.02	101	2.00	3.87	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.03	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.16	103	6.00	4.72	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	09/28/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	185	92.3	200	0.0108	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	189	94.5	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	93.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114	% 49.1-14	8						

Analyzed By: MC

# Cardinal Laboratories

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## Analytical Results For:

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

Fax To:

Received: 09/27/2023 Sampling Date: 09/26/2023 Soil

Reported: Project Name: 10/02/2023 DEEP ELM AST SPILL (PIPELINE ROAD) Sampling Type: Sampling Condition: Cool & Intact

Project Number: 2109 Sample Received By: Shalyn Rodriguez

Project Location: EOG - EDDY COUNTY, NEW MEXICO

# Sample ID: T - 8 (5.0') (H235268-39)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.02	101	2.00	3.87	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.03	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.16	103	6.00	4.72	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	09/28/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	186	93.0	200	0.278	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	187	93.6	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	84.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.0	% 49.1-14	8						

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Celey D. Keene



Shalyn Rodriguez

## Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

09/27/2023Sampling Date:09/26/202310/02/2023Sampling Type:SoilDEEP ELM AST SPILL (PIPELINE ROAD)Sampling Condition:Cool & Intact

Sample Received By:

Project Number: 2109

Project Name:

Project Location: EOG - EDDY COUNTY, NEW MEXICO

# Sample ID: T - 8 (5.5') (H235268-40)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	2.02	101	2.00	3.87	
Toluene*	<0.050	0.050	09/28/2023	ND	2.08	104	2.00	4.03	
Ethylbenzene*	< 0.050	0.050	09/28/2023	ND	2.05	102	2.00	4.50	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.16	103	6.00	4.72	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	09/28/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	186	93.0	200	0.278	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	187	93.6	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	81.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.4	% 49.1-14	8						

# Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

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

Fax To:

Received: 09/27/2023 Reported: 10/02/2023 Sampling Date: 09/26/2023 Sampling Type: Soil

Project Name:

RTFY 8021R

DEEP ELM AST SPILL (PIPELINE ROAD)

Sampling Condition: Cool & Intact

Project Number: 2109 Sample Received By:

Shalyn Rodriguez

Project Location: EOG - EDDY COUNTY, NEW MEXICO

## Sample ID: T - 9 (0-1') (H235268-41)

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	1.98	98.9	2.00	0.183	
Toluene*	<0.050	0.050	09/28/2023	ND	2.06	103	2.00	0.580	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.19	109	2.00	0.496	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.51	109	6.00	0.863	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7860	16.0	09/28/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	186	93.0	200	0.278	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	187	93.6	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	83.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.3	% 49.1-14	8						

Analyzed By: 14

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Celey D. Keene



## Analytical Results For:

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

Fax To:

Received: 09/27/2023 Reported:

Sampling Date: 09/26/2023 10/02/2023 Sampling Type: Soil DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

## Sample ID: T - 9 (1.5') (H235268-42)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	1.98	98.9	2.00	0.183	
Toluene*	<0.050	0.050	09/28/2023	ND	2.06	103	2.00	0.580	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.19	109	2.00	0.496	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.51	109	6.00	0.863	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1880	16.0	09/28/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	186	93.0	200	0.278	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	187	93.6	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						

Analyzed By: 14

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Celey D. Keene



## Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

 09/27/2023
 Sampling Date:
 09/26/2023

 10/02/2023
 Sampling Type:
 Soil

Project Name: DEE

DEEP ELM AST SPILL (PIPELINE ROAD) Sampling Condition: Cool & Intact
2109 Sample Received By: Shalyn Rodriguez

Project Location: EOG - EDDY COUNTY, NEW MEXICO

mg/kg

## Sample ID: T - 9 (2.0') (H235268-43)

BTEX 8021B

	9/	9	7111411720	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	1.98	98.9	2.00	0.183	
Toluene*	<0.050	0.050	09/28/2023	ND	2.06	103	2.00	0.580	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.19	109	2.00	0.496	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.51	109	6.00	0.863	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4080	16.0	09/28/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	186	93.0	200	0.278	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	187	93.6	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	85.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.6	% 49.1-14	8						

Analyzed By: JH

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## Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

10/02/2023 Sampling Type:
DEEP ELM AST SPILL (PIPELINE ROAD) Sampling Condition:

Analyzed By: JH

Project Name: DEEP Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO

mg/kg

Sampling Date: 09/26/2023

Sample Received By:

Soil

Cool & Intact Shalyn Rodriguez

# Sample ID: T - 9 (3.0') (H235268-44)

BTEX 8021B

DILX GOZID	11197	K9	Allulyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	1.98	98.9	2.00	0.183	
Toluene*	<0.050	0.050	09/28/2023	ND	2.06	103	2.00	0.580	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.19	109	2.00	0.496	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.51	109	6.00	0.863	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	09/28/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	186	93.0	200	0.278	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	187	93.6	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	78.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.5	% 49.1-14	8						

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## Analytical Results For:

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

Received: 09/27/2023 Reported:

10/02/2023 DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

# Sample ID: T - 9 (4.0') (H235268-45)

BTEX 8021B	mg/	kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	1.98	98.9	2.00	0.183	
Toluene*	<0.050	0.050	09/28/2023	ND	2.06	103	2.00	0.580	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.19	109	2.00	0.496	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.51	109	6.00	0.863	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/28/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	186	93.0	200	0.278	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	187	93.6	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	74.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.4	% 49.1-14	8						

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## Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

10/02/2023 Sampling Type: S
DEEP ELM AST SPILL (PIPELINE ROAD) Sampling Condition: C

Analyzed By: 14

Project Name: DEEP ELM AST SPILL (PIPELINE ROAD)
Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO

Sampling Date: 09/26/2023 Sampling Type: Soil

Sample Received By:

Cool & Intact Shalyn Rodriguez

# Sample ID: T - 10 (0-1') (H235268-46)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	1.98	98.9	2.00	0.183	
Toluene*	<0.050	0.050	09/28/2023	ND	2.06	103	2.00	0.580	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.19	109	2.00	0.496	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.51	109	6.00	0.863	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20800	16.0	09/28/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	186	93.0	200	0.278	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	187	93.6	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 49.1-14	8						

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### Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

DEEP ELM AST SPILL (PIPELINE ROAD)

Project Number: 2109

Project Name:

Project Location: EOG - EDDY COUNTY, NEW MEXICO Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

## Sample ID: T - 10 (1.5') (H235268-47)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	1.98	98.9	2.00	0.183	
Toluene*	<0.050	0.050	09/28/2023	ND	2.06	103	2.00	0.580	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.19	109	2.00	0.496	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.51	109	6.00	0.863	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	09/28/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	186	93.0	200	0.278	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	187	93.6	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	75.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.4	% 49.1-14	8						

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### Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

Sampling Date: 09/26/2023
Sampling Type: Soil

Project Name: DEEP ELM AST SPILL (PIPELINE ROAD)
Project Number: 2109

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Project Location: EOG - EDDY COUNTY, NEW MEXICO

Sample ID: T - 10 (2.0') (H235268-48)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	1.98	98.9	2.00	0.183	
Toluene*	<0.050	0.050	09/28/2023	ND	2.06	103	2.00	0.580	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.19	109	2.00	0.496	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.51	109	6.00	0.863	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/28/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	186	93.0	200	0.278	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	187	93.6	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	77.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.6	% 49.1-14	8						

Analyzed By: 14

Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

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

Received: 09/27/2023

Sampling Date: 09/26/2023

Reported: 10/02/2023
Project Name: DEEP ELM AST SPILL (PIPELINE ROAD)

Sampling Type: Soil

Project Number: 2109

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Project Location: EOG - EDDY COUNTY, NEW MEXICO

### Sample ID: T - 10 (3.0') (H235268-49)

BTEX 8021B

	9,	9	7	7 5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	1.98	98.9	2.00	0.183	
Toluene*	<0.050	0.050	09/28/2023	ND	2.06	103	2.00	0.580	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.19	109	2.00	0.496	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.51	109	6.00	0.863	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/28/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	186	93.0	200	0.278	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	187	93.6	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	72.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.4	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Freene



## Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

10/02/2023 DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: DEEP Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO

Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

## Sample ID: T - 10 (4.0') (H235268-50)

RTFY 8021R

B1EX 8021B	mg/	кg	Апануге	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	1.98	98.9	2.00	0.183	
Toluene*	<0.050	0.050	09/28/2023	ND	2.06	103	2.00	0.580	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.19	109	2.00	0.496	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.51	109	6.00	0.863	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/28/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	186	93.0	200	0.278	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	187	93.6	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	71.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.7	% 49.1-14	8						

Analyzed By: 14

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09/26/2023

Shalyn Rodriguez

### Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

10/02/2023Sampling Type:SoilDEEP ELM AST SPILL (PIPELINE ROAD)Sampling Condition:Cool & Intact

Sampling Date:

Sample Received By:

Project Number: 2109

Project Name:

Project Location: EOG - EDDY COUNTY, NEW MEXICO

### Sample ID: T - 11 (0-1') (H235268-51)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	1.98	98.9	2.00	0.183	
Toluene*	<0.050	0.050	09/28/2023	ND	2.06	103	2.00	0.580	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.19	109	2.00	0.496	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.51	109	6.00	0.863	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2480	16.0	09/28/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	186	93.0	200	0.278	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	187	93.6	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	91.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

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### Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023 Sampling Date: 09/26/2023
Sampling Type: Soil

Project Name: DEEP ELM AST SPILL (PIPELINE ROAD)

Sampling Condition: Cool & Intact

Project Number: 2109

Sample Received By: Shalyn Rodriguez

Project Location: EOG - EDDY COUNTY, NEW MEXICO

## Sample ID: T - 11 (1.5') (H235268-52)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	1.98	98.9	2.00	0.183	
Toluene*	<0.050	0.050	09/28/2023	ND	2.06	103	2.00	0.580	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.19	109	2.00	0.496	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.51	109	6.00	0.863	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3800	16.0	09/28/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	186	93.0	200	0.278	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	187	93.6	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	79.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.3	% 49.1-14	8						

Analyzed By: 14

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### Analytical Results For:

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

Fax To:

Received: 09/27/2023 Reported: 10/02/2023 Sampling Date: 09/26/2023 Sampling Type: Soil

Project Name:

BTEX 8021B

DEEP ELM AST SPILL (PIPELINE ROAD)

Sampling Condition: Cool & Intact

Project Number: 2109 Sample Received By: Shalyn Rodriguez

Project Location: EOG - EDDY COUNTY, NEW MEXICO

## Sample ID: T - 11 (2.0') (H235268-53)

	9/	9	7111411720	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	1.98	98.9	2.00	0.183	
Toluene*	<0.050	0.050	09/28/2023	ND	2.06	103	2.00	0.580	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.19	109	2.00	0.496	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.51	109	6.00	0.863	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3440	16.0	09/28/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	186	93.0	200	0.278	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	187	93.6	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	74.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.4	% 49.1-14	8						

Analyzed By: JH

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### Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

10/02/2023 DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: DEEP Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO

Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

## Sample ID: T - 11 (2.5') (H235268-54)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	1.98	98.9	2.00	0.183	
Toluene*	<0.050	0.050	09/28/2023	ND	2.06	103	2.00	0.580	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.19	109	2.00	0.496	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.51	109	6.00	0.863	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	09/28/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	186	93.0	200	0.278	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	187	93.6	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	78.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.0	% 49.1-14	8						

Analyzed By: 14

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### Analytical Results For:

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

Received: 09/27/2023 Reported:

10/02/2023 Sampling Type: DEEP ELM AST SPILL (PIPELINE ROAD) Sampling Condition:

Project Number: 2109

Project Name:

Project Location: EOG - EDDY COUNTY, NEW MEXICO Sampling Date: 09/26/2023

Sample Received By:

Soil Cool & Intact

Shalyn Rodriguez

## Sample ID: T - 11 (3.0') (H235268-55)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	1.98	98.9	2.00	0.183	
Toluene*	<0.050	0.050	09/28/2023	ND	2.06	103	2.00	0.580	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.19	109	2.00	0.496	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.51	109	6.00	0.863	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/28/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	186	93.0	200	0.278	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	187	93.6	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	75.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.6	% 49.1-14	8						

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### Analytical Results For:

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

Received: 09/27/2023

Sampling Date: 09/26/2023

Reported: 10/02/2023
Project Name: DEEP ELM AST SPILL (PIPELINE ROAD)

Sampling Type: Soil
Sampling Condition: Cool & Intact

Project Number: 2109

Sample Received By: Shalyn Rodriguez

Project Location: EOG - EDDY COUNTY, NEW MEXICO

### Sample ID: T - 12 (0-1') (H235268-56)

BTEX 8021B

DIEX OUZID	11197	K9	Allulyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	1.98	98.9	2.00	0.183	
Toluene*	<0.050	0.050	09/28/2023	ND	2.06	103	2.00	0.580	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.19	109	2.00	0.496	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.51	109	6.00	0.863	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12000	16.0	09/28/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	186	93.0	200	0.278	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	187	93.6	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	82.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.9	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

## Sample ID: T - 12 (1.5') (H235268-57)

BTEX 8021B	mg/	kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	1.98	98.9	2.00	0.183	
Toluene*	<0.050	0.050	09/28/2023	ND	2.06	103	2.00	0.580	
Ethylbenzene*	< 0.050	0.050	09/28/2023	ND	2.19	109	2.00	0.496	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.51	109	6.00	0.863	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6130	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	186	93.0	200	0.278	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	187	93.6	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	78.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.3	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

10/02/2023 DEEP ELM AST SPILL (PIPELINE ROAD)

Project Number: 2109

Project Name:

RTFY 8021R

Project Location: EOG - EDDY COUNTY, NEW MEXICO

Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

## Sample ID: T - 12 (2.0') (H235268-58)

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	1.98	98.9	2.00	0.183	
Toluene*	<0.050	0.050	09/28/2023	ND	2.06	103	2.00	0.580	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.19	109	2.00	0.496	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.51	109	6.00	0.863	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	186	93.0	200	0.278	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	187	93.6	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	77.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.2	% 49.1-14	8						

Analyzed By: 14

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### Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

10/02/2023 Sampling Type: Soil DEEP ELM AST SPILL (PIPELINE ROAD) Sampling Condition: Coo

Project Name: DEEP Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO

Sampling Date: 09/26/2023

Sample Received By:

Cool & Intact Shalyn Rodriguez

Sample ID: T - 12 (3.0') (H235268-59)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	1.98	98.9	2.00	0.183	
Toluene*	<0.050	0.050	09/28/2023	ND	2.06	103	2.00	0.580	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.19	109	2.00	0.496	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.51	109	6.00	0.863	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	185	92.3	200	1.54	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	208	104	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	86.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

Analyzed By: 14

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### Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

10/02/2023 Sampling Type:
DEEP ELM AST SPILL (PIPELINE ROAD) Sampling Condition:

Project Name: DEEP Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO

Sampling Date: 09/26/2023 Sampling Type: Soil

Sample Received By:

Cool & Intact Shalyn Rodriguez

# Sample ID: T - 12 (4.0') (H235268-60)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	1.98	98.9	2.00	0.183	
Toluene*	<0.050	0.050	09/28/2023	ND	2.06	103	2.00	0.580	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.19	109	2.00	0.496	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	6.51	109	6.00	0.863	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	185	92.3	200	1.54	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	208	104	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					
Surrogate: 1-Chlorooctane	94.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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### Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

10/02/2023 DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: DEEP Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO

Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

## Sample ID: T - 13 (0-1') (H235268-61)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/29/2023	ND	1.93	96.3	2.00	3.82	
Toluene*	<0.050	0.050	09/29/2023	ND	2.03	102	2.00	2.14	
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.35	106	6.00	3.62	
Total BTEX	<0.300	0.300	09/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2360	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	185	92.3	200	1.54	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	208	104	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118	% 49.1-14	8						

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### Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: DEEP Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO

Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

## Sample ID: T - 13 (1.5') (H235268-62)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/29/2023	ND	1.93	96.3	2.00	3.82	
Toluene*	<0.050	0.050	09/29/2023	ND	2.03	102	2.00	2.14	
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.35	106	6.00	3.62	
Total BTEX	<0.300	0.300	09/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4960	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	185	92.3	200	1.54	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	208	104	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					
Surrogate: 1-Chlorooctane	98.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						

Analyzed By: 14

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### Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

10/02/2023 DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: DEEP Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO

Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

## Sample ID: T - 13 (2.0') (H235268-63)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/29/2023	ND	1.93	96.3	2.00	3.82	
Toluene*	<0.050	0.050	09/29/2023	ND	2.03	102	2.00	2.14	
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.35	106	6.00	3.62	
Total BTEX	<0.300	0.300	09/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4560	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	185	92.3	200	1.54	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	208	104	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118	% 49.1-14	8						

Analyzed By: 14

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### Analytical Results For:

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

Received: 09/27/2023 Reported:

10/02/2023 Sampling Type: DEEP ELM AST SPILL (PIPELINE ROAD)

Sampling Date:

Project Name: Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO

Soil Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

09/26/2023

### Sample ID: T - 13 (3.0') (H235268-64)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/29/2023	ND	1.93	96.3	2.00	3.82	
Toluene*	<0.050	0.050	09/29/2023	ND	2.03	102	2.00	2.14	
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.35	106	6.00	3.62	
Total BTEX	<0.300	0.300	09/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3920	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	185	92.3	200	1.54	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	208	104	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					
Surrogate: 1-Chlorooctane	92.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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### Analytical Results For:

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

Received: 09/27/2023 Reported:

10/02/2023 DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

## Sample ID: T - 13 (4.0') (H235268-65)

BTEX 8021B	mg/	kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/29/2023	ND	1.93	96.3	2.00	3.82	
Toluene*	<0.050	0.050	09/29/2023	ND	2.03	102	2.00	2.14	
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.35	106	6.00	3.62	
Total BTEX	<0.300	0.300	09/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3920	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	185	92.3	200	1.54	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	208	104	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					
Surrogate: 1-Chlorooctane	95.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	6 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

## Sample ID: T - 13 (5.0') (H235268-66)

BTEX 8021B	mg/	'kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/29/2023	ND	1.93	96.3	2.00	3.82	
Toluene*	<0.050	0.050	09/29/2023	ND	2.03	102	2.00	2.14	
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.35	106	6.00	3.62	
Total BTEX	<0.300	0.300	09/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	185	92.3	200	1.54	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	208	104	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					
Surrogate: 1-Chlorooctane	92.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109 9	% 49.1-14	8						

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### Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

## Sample ID: T - 13 (6.0') (H235268-67)

BTEX 8021B	mg/	'kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/29/2023	ND	1.93	96.3	2.00	3.82	
Toluene*	<0.050	0.050	09/29/2023	ND	2.03	102	2.00	2.14	
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.35	106	6.00	3.62	
Total BTEX	<0.300	0.300	09/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	185	92.3	200	1.54	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	208	104	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					
Surrogate: 1-Chlorooctane	89.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106 9	% 49.1-14	8						

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Shalyn Rodriguez

## Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

09/27/2023Sampling Date:09/26/202310/02/2023Sampling Type:SoilDEEP ELM AST SPILL (PIPELINE ROAD)Sampling Condition:Cool & Intact

Project Name: DEEP
Project Number: 2109

Project Number: 2109 Sample Received By:

Project Location: EOG - EDDY COUNTY, NEW MEXICO

### Sample ID: T - 14 (0-1') (H235268-68)

BTEX 8021B

	9/	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/29/2023	ND	1.93	96.3	2.00	3.82	
Toluene*	<0.050	0.050	09/29/2023	ND	2.03	102	2.00	2.14	
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.35	106	6.00	3.62	
Total BTEX	<0.300	0.300	09/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6960	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	185	92.3	200	1.54	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	208	104	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					
Surrogate: 1-Chlorooctane	97.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115	% 49.1-14	8						

Analyzed By: JH

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### Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: DEEP Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO

Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

## Sample ID: T - 14 (1.5') (H235268-69)

BTEX 8021B

DIEX GOZID	ıııg,	K9	Allulyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/29/2023	ND	1.93	96.3	2.00	3.82	
Toluene*	<0.050	0.050	09/29/2023	ND	2.03	102	2.00	2.14	
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.35	106	6.00	3.62	
Total BTEX	<0.300	0.300	09/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5840	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	185	92.3	200	1.54	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	208	104	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					
Surrogate: 1-Chlorooctane	97.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 %	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023 Sampling Date: 09/26/2023

Project Name:

Sampling Type: Soil

Project Number: 2109

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Project Location: EOG - EDDY COUNTY, NEW MEXICO

DEEP ELM AST SPILL (PIPELINE ROAD)

### Sample ID: T - 14 (2.0') (H235268-70)

BTEX 8021B

	9/	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/29/2023	ND	1.93	96.3	2.00	3.82	
Toluene*	<0.050	0.050	09/29/2023	ND	2.03	102	2.00	2.14	
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.35	106	6.00	3.62	
Total BTEX	<0.300	0.300	09/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	185	92.3	200	1.54	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	208	104	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					
Surrogate: 1-Chlorooctane	86.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

Analyzed By: JH

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### Analytical Results For:

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

Received: 09/27/2023 Reported:

10/02/2023 DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

## Sample ID: T - 14 (3.0') (H235268-71)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/29/2023	ND	1.93	96.3	2.00	3.82	
Toluene*	<0.050	0.050	09/29/2023	ND	2.03	102	2.00	2.14	
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.35	106	6.00	3.62	
Total BTEX	<0.300	0.300	09/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	185	92.3	200	1.54	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	208	104	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					
Surrogate: 1-Chlorooctane	93.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109 9	% 49.1-14	8						

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## Analytical Results For:

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

Received: 09/27/2023

Sampling Date: 09/26/2023 Sampling Type: Soil

Reported: 10/02/2023
Project Name: DEEP ELM AST SPILL (PIPELINE ROAD)

Sampling Condition: Cool & Intact

Project Number: 2109

Sample Received By: Shalyn Rodriguez

Project Location: EOG - EDDY COUNTY, NEW MEXICO

## Sample ID: T - 14 (4.0') (H235268-72)

BTEX 8021B

	<u> </u>			. ,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/29/2023	ND	1.93	96.3	2.00	3.82	
Toluene*	<0.050	0.050	09/29/2023	ND	2.03	102	2.00	2.14	
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.35	106	6.00	3.62	
Total BTEX	<0.300	0.300	09/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	185	92.3	200	1.54	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	208	104	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					
Surrogate: 1-Chlorooctane	90.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: DEEP Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO

Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

## Sample ID: T - 15 (0-1') (H235268-73)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Allulyzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/29/2023	ND	1.93	96.3	2.00	3.82	
Toluene*	<0.050	0.050	09/29/2023	ND	2.03	102	2.00	2.14	
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.35	106	6.00	3.62	
Total BTEX	<0.300	0.300	09/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	185	92.3	200	1.54	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	208	104	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					
Surrogate: 1-Chlorooctane	93.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

DEEP ELM AST SPILL (PIPELINE ROAD)

Project Number: 2109

Project Name:

Project Location: EOG - EDDY COUNTY, NEW MEXICO Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

## Sample ID: T - 15 (1.5') (H235268-74)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/29/2023	ND	1.93	96.3	2.00	3.82	
Toluene*	<0.050	0.050	09/29/2023	ND	2.03	102	2.00	2.14	
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.35	106	6.00	3.62	
Total BTEX	<0.300	0.300	09/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	185	92.3	200	1.54	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	208	104	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					
Surrogate: 1-Chlorooctane	95.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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### Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

10/02/2023 DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: DEEP Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO

Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

# Sample ID: T - 15 (2.0') (H235268-75)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/29/2023	ND	1.93	96.3	2.00	3.82	
Toluene*	<0.050	0.050	09/29/2023	ND	2.03	102	2.00	2.14	
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.35	106	6.00	3.62	
Total BTEX	<0.300	0.300	09/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	185	92.3	200	1.54	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	208	104	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					
Surrogate: 1-Chlorooctane	90.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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### Analytical Results For:

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

Received: 09/27/2023 Reported:

10/02/2023 Sampling Type: Soil DEEP ELM AST SPILL (PIPELINE ROAD) Sampling Condition:

Project Number: 2109

Project Name:

Project Location: EOG - EDDY COUNTY, NEW MEXICO Sampling Date: 09/26/2023

Sample Received By:

Cool & Intact Shalyn Rodriguez

## Sample ID: T - 15 (3.0') (H235268-76)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/29/2023	ND	1.93	96.3	2.00	3.82	
Toluene*	<0.050	0.050	09/29/2023	ND	2.03	102	2.00	2.14	
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.35	106	6.00	3.62	
Total BTEX	<0.300	0.300	09/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	09/29/2023	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	185	92.3	200	1.54	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	208	104	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					
Surrogate: 1-Chlorooctane	97.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

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### Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

10/02/2023 DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: DEEP Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO

Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

## Sample ID: T - 15 (4.0') (H235268-77)

BTEX 8021B

DILX GOZID	iiig/	- Kg	Allulyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/29/2023	ND	1.93	96.3	2.00	3.82	
Toluene*	<0.050	0.050	09/29/2023	ND	2.03	102	2.00	2.14	
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.35	106	6.00	3.62	
Total BTEX	<0.300	0.300	09/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	09/28/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	185	92.3	200	1.54	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	208	104	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					
Surrogate: 1-Chlorooctane	114	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	136	% 49.1-14	8						

Analyzed By: JH

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09/26/2023

Soil

### Analytical Results For:

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

Received: 09/27/2023 Sampling Date: Reported: 10/02/2023 Sampling Type:

Project Name: DEEP ELM AST SPILL (PIPELINE ROAD) Sampling Condition: Cool & Intact Shalyn Rodriguez Project Number: 2109 Sample Received By:

Project Location: EOG - EDDY COUNTY, NEW MEXICO

### Sample ID: T - 15 (5.0') (H235268-78)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/29/2023	ND	1.93	96.3	2.00	3.82	
Toluene*	<0.050	0.050	09/29/2023	ND	2.03	102	2.00	2.14	
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.35	106	6.00	3.62	
Total BTEX	<0.300	0.300	09/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5360	16.0	09/28/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	185	92.3	200	1.54	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	208	104	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128	% 49.1-14	8						

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### Analytical Results For:

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

Received: 09/27/2023

Sampling Date: 09/26/2023

Reported: 10/02/2023
Project Name: DEEP ELM AST SPILL (PIPELINE ROAD)

Sampling Type: Soil

Project Number: 2109

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Project Location: EOG - EDDY COUNTY, NEW MEXICO

### Sample ID: T - 15 (6.0') (H235268-79)

BTEX 8021B

	9/	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/29/2023	ND	1.93	96.3	2.00	3.82	
Toluene*	<0.050	0.050	09/29/2023	ND	2.03	102	2.00	2.14	
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.35	106	6.00	3.62	
Total BTEX	<0.300	0.300	09/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	09/28/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	192	96.2	200	3.85	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	193	96.7	200	0.419	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	85.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.4	% 49.1-14	8						

Analyzed By: JH

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### Analytical Results For:

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

Received: 09/27/2023 Reported:

10/02/2023 Sampling Type:

Project Number: 2109

Project Name:

Project Location: EOG - EDDY COUNTY, NEW MEXICO

Soil DEEP ELM AST SPILL (PIPELINE ROAD) Sampling Condition: Cool & Intact

Sampling Date:

Sample Received By:

Shalyn Rodriguez

09/26/2023

### Sample ID: T - 16 (0-1') (H235268-80)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/29/2023	ND	1.93	96.3	2.00	3.82	
Toluene*	<0.050	0.050	09/29/2023	ND	2.03	102	2.00	2.14	
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	2.14	107	2.00	2.29	
Total Xylenes*	<0.150	0.150	09/29/2023	ND	6.35	106	6.00	3.62	
Total BTEX	<0.300	0.300	09/29/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5330	16.0	09/28/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	192	96.2	200	3.85	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	193	96.7	200	0.419	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	95.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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### Analytical Results For:

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

Received: 09/27/2023 Reported:

Sampling Date: 09/26/2023 10/02/2023 Sampling Type: Soil

Sample Received By:

Project Name: DEEP ELM AST SPILL (PIPELINE ROAD) Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO Sampling Condition: Cool & Intact

Shalyn Rodriguez

### Sample ID: T - 16 (1.5') (H235268-81)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	1.95	97.7	2.00	0.455	
Toluene*	<0.050	0.050	09/28/2023	ND	1.94	97.1	2.00	0.182	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.01	101	2.00	0.439	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	5.97	99.5	6.00	1.18	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4930	16.0	09/28/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	192	96.2	200	3.85	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	193	96.7	200	0.419	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	96.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109 9	% 49.1-14	8						

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### Analytical Results For:

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

Fax To:

Received: 09/27/2023 10/02/2023 Sampling Date: 09/26/2023 Sampling Type: Soil

Reported: Project Name: DEEP ELM AST SPILL (PIPELINE ROAD)

Sampling Condition: Cool & Intact

Project Number: 2109 Sample Received By: Shalyn Rodriguez

Project Location: EOG - EDDY COUNTY, NEW MEXICO

## Sample ID: T - 16 (2.0') (H235268-82)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	1.95	97.7	2.00	0.455	
Toluene*	<0.050	0.050	09/28/2023	ND	1.94	97.1	2.00	0.182	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.01	101	2.00	0.439	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	5.97	99.5	6.00	1.18	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5060	16.0	09/28/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	192	96.2	200	3.85	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	193	96.7	200	0.419	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	99.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

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### Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

### Sample ID: T - 16 (3.0') (H235268-83)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	1.95	97.7	2.00	0.455	
Toluene*	<0.050	0.050	09/28/2023	ND	1.94	97.1	2.00	0.182	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.01	101	2.00	0.439	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	5.97	99.5	6.00	1.18	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 %	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	09/28/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	192	96.2	200	3.85	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	193	96.7	200	0.419	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	95.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109 9	% 49.1-14	8						

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### Analytical Results For:

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

Fax To:

Received: 09/27/2023 Sampling Date: 09/26/2023

Reported: 10/02/2023 Project Name: DEEP ELM AST SPILL (PIPELINE ROAD) Sampling Type: Soil

Project Number: 2109 Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Project Location: EOG - EDDY COUNTY, NEW MEXICO

### Sample ID: T - 16 (4.0') (H235268-84)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	1.95	97.7	2.00	0.455	
Toluene*	<0.050	0.050	09/28/2023	ND	1.94	97.1	2.00	0.182	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.01	101	2.00	0.439	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	5.97	99.5	6.00	1.18	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/28/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	192	96.2	200	3.85	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	193	96.7	200	0.419	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	89.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

Analyzed By: JH/

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### Analytical Results For:

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

Fax To:

Received: 09/27/2023 Reported: 10/02/2023 Sampling Date: 09/26/2023 Sampling Type: Soil

Project Name:

DEEP ELM AST SPILL (PIPELINE ROAD)

Project Number:

2109

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Project Location: EOG - EDDY COUNTY, NEW MEXICO

### Sample ID: T - 17 (0-1') (H235268-85)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	1.95	97.7	2.00	0.455	
Toluene*	<0.050	0.050	09/28/2023	ND	1.94	97.1	2.00	0.182	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.01	101	2.00	0.439	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	5.97	99.5	6.00	1.18	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	09/28/2023	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	192	96.2	200	3.85	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	193	96.7	200	0.419	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

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### Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

10/02/2023 DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: DEEP Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO

Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

### Sample ID: T - 17 (1.5') (H235268-86)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	1.95	97.7	2.00	0.455	
Toluene*	<0.050	0.050	09/28/2023	ND	1.94	97.1	2.00	0.182	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.01	101	2.00	0.439	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	5.97	99.5	6.00	1.18	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2280	16.0	09/28/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	192	96.2	200	3.85	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	193	96.7	200	0.419	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	99.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115	% 49.1-14	8						

Applyzed By: 1H /

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### Analytical Results For:

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

Fax To:

DEEP ELM AST SPILL (PIPELINE ROAD)

Received: 09/27/2023 10/02/2023 Sampling Date: 09/26/2023 Sampling Type: Soil

Reported: Project Name:

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO

### Sample ID: T - 17 (2.0') (H235268-87)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	1.95	97.7	2.00	0.455	
Toluene*	<0.050	0.050	09/28/2023	ND	1.94	97.1	2.00	0.182	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.01	101	2.00	0.439	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	5.97	99.5	6.00	1.18	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5680	16.0	09/28/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	192	96.2	200	3.85	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	193	96.7	200	0.419	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	93.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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### Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

DEEP ELM AST SPILL (PIPELINE ROAD)

Project Number: 2109

Project Name:

BTEX 8021B

Project Location: EOG - EDDY COUNTY, NEW MEXICO

Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

### Sample ID: T - 17 (3.0') (H235268-88)

DILX GOZID	11197	, kg	Allulyzo	.u Dy. 3117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	1.95	97.7	2.00	0.455	
Toluene*	<0.050	0.050	09/28/2023	ND	1.94	97.1	2.00	0.182	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.01	101	2.00	0.439	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	5.97	99.5	6.00	1.18	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5600	16.0	09/28/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	192	96.2	200	3.85	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	193	96.7	200	0.419	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	95.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

Analyzed By: JH/

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### Analytical Results For:

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

Received: 09/27/2023

Sampling Date: 09/26/2023
Sampling Type: Soil

Reported: Project Name:

BTEX 8021B

10/02/2023 Sampling Type: S
DEEP ELM AST SPILL (PIPELINE ROAD) Sampling Condition: G

Analyzed By: JH/

Project Number: 2109

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Project Location: EOG - EDDY COUNTY, NEW MEXICO

### Sample ID: T - 17 (4.0') (H235268-89)

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	1.95	97.7	2.00	0.455	
Toluene*	<0.050	0.050	09/28/2023	ND	1.94	97.1	2.00	0.182	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.01	101	2.00	0.439	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	5.97	99.5	6.00	1.18	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1380	16.0	09/28/2023	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	192	96.2	200	3.85	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	193	96.7	200	0.419	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	86.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.8	% 49.1-14	8						

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### Analytical Results For:

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

Fax To:

Received: 09/27/2023 10/02/2023 Sampling Date: 09/26/2023 Sampling Type: Soil

Reported: Project Name:

BTEX 8021B

DEEP ELM AST SPILL (PIPELINE ROAD)

Project Number:

Sampling Condition: Cool & Intact

2109

Sample Received By:

Shalyn Rodriguez

Project Location: EOG - EDDY COUNTY, NEW MEXICO

### Sample ID: T - 17 (5.0') (H235268-90)

	9/	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	1.95	97.7	2.00	0.455	
Toluene*	<0.050	0.050	09/28/2023	ND	1.94	97.1	2.00	0.182	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.01	101	2.00	0.439	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	5.97	99.5	6.00	1.18	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/28/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	192	96.2	200	3.85	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	193	96.7	200	0.419	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	81.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.9	% 49.1-14	8						

Analyzed By: JH/

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### Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

### Sample ID: T - 18 (0-1') (H235268-91)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	1.95	97.7	2.00	0.455	
Toluene*	<0.050	0.050	09/28/2023	ND	1.94	97.1	2.00	0.182	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.01	101	2.00	0.439	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	5.97	99.5	6.00	1.18	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6400	16.0	09/28/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	192	96.2	200	3.85	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	193	96.7	200	0.419	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	95.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108 9	% 49.1-14	8						

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### Analytical Results For:

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

Received: 09/27/2023

Sampling Date: 09/26/2023

Reported: 10/02/2023
Project Name: DEEP ELM AST SPILL (PIPELINE ROAD)

Sampling Type: Soil

Project Number: 2109

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Project Location: EOG - EDDY COUNTY, NEW MEXICO

### Sample ID: T - 18 (1.5') (H235268-92)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	1.95	97.7	2.00	0.455	
Toluene*	<0.050	0.050	09/28/2023	ND	1.94	97.1	2.00	0.182	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.01	101	2.00	0.439	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	5.97	99.5	6.00	1.18	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	09/28/2023	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	192	96.2	200	3.85	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	193	96.7	200	0.419	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						

Analyzed By: JH/

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### Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

DEEP ELM AST SPILL (PIPELINE ROAD)

Project Name: Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

### Sample ID: T - 18 (2.0') (H235268-93)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	1.95	97.7	2.00	0.455	
Toluene*	<0.050	0.050	09/28/2023	ND	1.94	97.1	2.00	0.182	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.01	101	2.00	0.439	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	5.97	99.5	6.00	1.18	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5330	16.0	09/28/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	192	96.2	200	3.85	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	193	96.7	200	0.419	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	95.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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### Analytical Results For:

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

Fax To:

Received: 09/27/2023 Sampling Date: 09/26/2023 Soil

Reported: 10/02/2023 Project Name: DEEP ELM AST SPILL (PIPELINE ROAD) Sampling Type: Sampling Condition: Cool & Intact

Project Number: 2109 Sample Received By: Shalyn Rodriguez

Project Location: EOG - EDDY COUNTY, NEW MEXICO

### Sample ID: T - 18 (3.0') (H235268-94)

RTFY 8021R

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	1.95	97.7	2.00	0.455	
Toluene*	<0.050	0.050	09/28/2023	ND	1.94	97.1	2.00	0.182	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.01	101	2.00	0.439	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	5.97	99.5	6.00	1.18	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/28/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	192	96.2	200	3.85	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	193	96.7	200	0.419	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	87.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

Applyzed By: 1H /

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### Analytical Results For:

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

Received: 09/27/2023 Reported: 10/02/2023

10/02/2023 S
DEEP ELM AST SPILL (PIPELINE ROAD) S

Project Name: DEEP Project Number: 2109

Project Location: EOG - EDDY COUNTY, NEW MEXICO

Sampling Date: 09/26/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

### Sample ID: T - 18 (4.0') (H235268-95)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2023	ND	1.95	97.7	2.00	0.455	
Toluene*	<0.050	0.050	09/28/2023	ND	1.94	97.1	2.00	0.182	
Ethylbenzene*	<0.050	0.050	09/28/2023	ND	2.01	101	2.00	0.439	
Total Xylenes*	<0.150	0.150	09/28/2023	ND	5.97	99.5	6.00	1.18	
Total BTEX	<0.300	0.300	09/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/28/2023	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2023	ND	192	96.2	200	3.85	
DRO >C10-C28*	<10.0	10.0	09/28/2023	ND	193	96.7	200	0.419	
EXT DRO >C28-C36	<10.0	10.0	09/28/2023	ND					
Surrogate: 1-Chlorooctane	92.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

Applyzed By: 1H /

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### **Notes and Definitions**

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg D. Freene

ompany Name:

Conner Moehring
Carmona Resources

Todd Wells EOG Resources

Program: UST/PST □PRP □Irownfields □RC

perfund

10

**Work Order Comments** 

# Chain of Custody

	Wor
	k Ord
	er No:
1	5
	35%
	3

J Shum		Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresou	T-2 (4.0')	T-2 (3.0')	T-2 (2.0")	T-2 (1.5')	T-2 (0-1')	T-1 (3.0')	T-1 (2.5')	T-1 (2.0°)	T-1 (1.5')	T-1 (0-1')	Sample Identification	Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	PO#	Sampler's Name:	Project Location	Project Number:	Project Name:	Phone: (4:	City, State ZIP: Mi	Address: 31	
M M	Relinqu	Mike Carmona / N	9/26	9/26	9/26									(	No	a	Yes No	Temp Blank		N	Eddy County	2	Deep Elm AST Spill (Pipeline Road)	(432) 813-6823	Midland, TX 79701	310 W Wall St Ste 500	
	Relinquished by: (Signature)	lcarmona@ca	9/26/2023	9/26/2023	9/26/2023	9/26/2023	9/26/2023	9/26/2023	9/26/2023	9/26/2023	9/26/2023	9/26/2023	Date Ti	Correct	N/A Tempe	N/A Correct				MM	Eddy County, New Mexico	2109	pill (Pipeline R			00	
	nature)	irmonareso											Time	Corrected Temperature	Temperature Reading:	Correction Factor:	ID:	Yes (No)			Du		oad)			-7	
		urces.com a	×	×	×	×	×	×	×	×	×	×	Soil	Ire:	g:			Wet Ice:			Due Date:	Routine	Turn Around	Email:			
		nd Conner N	G	G	G	G	G	6	.6	G	G	G	Water Comp	1	2.4:	1	~	Yes No			72 Hours	✓ Rush	round	Email: Todd Wells@eogresources.com	City, State ZIP:	Address:	
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33 NO	Date/Time	Cmoehrin	×	×	×	×	×	x x.	×	×	×	×	TPF	801			8021		+ M	RO)				ces.com	Midland, Tx 79706	5509 Champions Dr	100
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Shoppide	R	naresources.com																					ANALYSIS REQUEST				
(h)	Received by: (Signature)																						EQUEST	Deliverables: EDD	Reporting:Level II	State of Project:	I rogiain. oom o
		¥	0)	0	8	78	01	S	C.	M	2			NaOH	Zn Ac	Na <sub>2</sub> S	NaHS	H,PC	H-202-H-	HCL: HC	Cool	None: NO		☐ ADaPT □	Reporting:Level III Level III ST/UST		Togram, volition   Lan Diowillians   Two
	Date/Time												Sample Comments	NaOH+Ascorbic Acid: SAPC	Zn Acetate+NaOH: Zn	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	NaHSO.: NABIS						Preservative Codes	Other:	RRP		
	ime												ents	SAPC				-	NaOH: Na	HNO. HN	H. Mo	DI Water: H-O	odes		Level IV		periuna

Page 98 of 107

## Chain of Custody

Work Order No: HA35AU8

Mund			T-5 (1.5)	T-5 (0-1')	T-4 (2.5')	T-4 (2.0')	T-4 (1.5)	T-4 (0-1')	T-3 (2.5')	T-3 (2.0')	T-3 (1.5')	1-3 (0-1)	Sample Identification	Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	PO#:	Sampler's Name:	Project Location	Project Number:	Project Name:	Phone: (43	City, State ZIP: Mid	Address: 310	Name:	
1	Re	Mine Carriona											ation		Yes	Yes	Yes	Temp			Eddy C		Deep Elm A	(432) 813-6823	Midland, TX 79701	310 W Wall St Ste 500	Carmona Resources	
	linquished b		-11 13	9/26/2023	9/26/2023	9/26/2023	9/26/2023	9/26/2023	9/26/2023	9/26/2023	9/26/2023	9/26/2023	Date		No N/A	No N/A	No	Temp Blank:		MM	Eddy County, New Mexico	2109	Deep Elm AST Spill (Pipeline Road)		01	te 500	Irces	d
	Relinquished by: (Signature)	na@carmona											Time	Corrected Temperature	Temperature Reading:	Correction Factor:	Thermometer ID:	Yes (No)			Mexico		eline Road)					
		resources.con	×	×	×	×	×	×	×	×	×	×	Soil	perature:	eading:	or:	18	Wet Ice:			Due Date:	Routine	Tur	Ema				
		mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com	6	6	G	G	6	. G	9	9	9	G	Water Comp	1	34.4	1	740	Yes) No		1	72 Hours	√ Rush	Turn Around	Email: Todd Wells@eogresources.com	City, State ZIP	Address:	Company Name	Dill to, (it gitteren
927		Woehring /	1	1	1	1	. 1	1	1	1	1	1	p Cont			Pa	ran	neter	rs			Code		peogresou			Ġ.	9
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28		monares																								)r		
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	Received by: (Signature)														_	_	_	_	_		1			Deliverables: EDD	Reporting:Level II Level III	State of Project:	Program: UST/PST PRP rownfields	
	e)				-				-	-	-										-	_			☐ Level II		ST PRP	Work
														7	Z	7	7	_	T .	T (		7		ADaPT 🗆	I □ST/UST		rownf	Order C
			30	Q	N/	7	6	0	E	NS	7		Sample	laOH+Ascor	Zn Acetate+NaOH: Zn	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	NaHSO: NABIS	H.PO. HP	H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	HCI - HC	and Conf	None: NO	Preser	□ Other:	JST RRP		ields RC	Work Order Comments
	Date/Time												Sample Comments	NaOH+Ascorbic Acid: SAPC	VaOH: Zn	SO.	BIS		NaOH: Na	HNO: HN	Manual.	DI Water H-O	Preservative Codes	her:	P   Level IV		C  perfund	
			Ш											111	_		_				20	5		L				

Page 99 of 107

## Chain of Custody

Wor
k Order
No:
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Relinquished by: (Signature)	, MCalling	9/26/2023	9						T-5 (4.0')	T-5 (3.0°)	T-5 (2.0')	Sample Identification		95	Cooler Custody Seals: Y		SAMPLE RECEIPT		Sampler's Name:	D		Deep I	(432) 813-6823	Midland, TX 79701	310 W Wa	Carmona Resources	Project Manager Conner Moehring
v: (Signature)	-	023	9/26/2023	9/26/2023	9/26/2023	9/26/2023	9/26/2023	9/26/2023	9/26/2023	9/26/2023	9/26/2023	Date		No	d l	Yes No	Temp Blank:		MM	Eddy County New Mexico	2100	Deep Elm AST Spill (Pipeline Road)	6823	X 79701	310 W Wall St Ste 500	Resources	behring
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Deliverables: EDD	n	Todd Wells@eogresources.com	Wells@eog	Email: Todd			(432) 813-6823	Phone:
Reporting:Level II  Level III  ST/UST  RRP  Level IV	Midland, Tx 79706	Midland	City, State ZIP:	City, S		701	Midland, TX 79701	City, State ZIP:
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II ST/UST RRP Level IV	Reporting:Level II Level III		Midland, Tx 79706	Midland	.0	City, State ZIP:			1	Midland, TX 79701	City, State ZIP: N
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SAMPLE RECEIPT omments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring ity, State ZIP impler's Name ject Number ect Location ect Name: er Custody Seals: ole Custody Seals Sample Identification T-11 (2.5') T-11 (1.5') T-12 (4.0") T-12 (3.0") T-12 (2.0") T-12 (1.5') T-12 (0-1") T-11 (3.0') T-11 (2.0") T-11 (0-1") 310 W Wall St Ste 500 Midland, TX 79701 Deep Elm AST Spill (Pipeline Road) Eddy County, New Mexico MM Yes Wo N/A Yes (No / N/A Ves No emp Blank: Relinquished by: (Signature) 9/26/2023 9/26/2023 9/26/2023 9/26/2023 9/26/2023 9/26/2023 9/26/2023 9/26/2023 9/26/2023 9/26/2023 Correction Factor: Corrected Temperature: Temperature Reading: hermometer ID: Yes (No Time Due Date: Wet Ice: Soil × × × × × × × × × × Turn Around Todd Wells City, State ZIP: Water √ Rush Yes No 72 Hours Q T Comp Grab/ G 0 G 9 G G 0 G 0 G # of 27-23-109 Pres. **Parameters** Date/Time Cmoehring@carmonaresources.com Midland, Tx 79706 5509 Champions Dr × × × × × BTEX 8021B × × × × × × × × × TPH 8015M ( GRO + DRO + MRO) Chloride 4500 ANALYSIS KEQUEST Received by: (Signature) Deliverables: EDD Reporting:Level III Level III ST/UST State of Project: ADaPT H<sub>2</sub>SO<sub>4</sub>: H<sub>2</sub> HCL: HC Zn Acetate+NaOH: Zn Na2S2O3: NaSO3 H3PO4: HP NaOH+Ascorbic Acid: SAPC NaHSO4: NABIS Cool: Cool None: NO 2520 Sample Comments **Preservative Codes** RRP Date/Time DI Water: H<sub>2</sub>O Level IV NaOH: Na HNO3: HN MeOH: Me 

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Preservative Codes	ANALYSIS REQUEST	ANALYSI			Drag		Turn Around	Turn	line Road)	Deep Elm AST Spill (Pipeline Road)	Deep Elm	Project Name:
ADaPT Other:	Deliverables: EDD AD			.com	resources	lls@eog	Todd Wells@eogresources.com	Email:			(432) 813-6823	Phone: (43
ST/UST RRP Level IV	Reporting:Level III Level III		x 79706	Midland, Tx 79706	Mic	ZIP:	City, State ZIP.			701	Midland, TX 79701	City, State ZIP: Mic
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ownfields RC perfund	Program: UST/PST PRP rownfields		urces	EOG Resources	EC	Name:	Company Name			urces	Carmona Resources	Company Name: Ca
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Maria		Comments: Email to	T-16 (0-1')	T-15 (6.0')	T-15 (5.0")	T-15 (4.0')	T-15 (3.0')	· T-15 (2.0')	T-15 (1.5')	T-15 (0-1)	T-14 (4.0")	T-14 (3.0')	Sample Identification	Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact	SAMPLE RECEIPT	PO#:	Sampler's Name:	Project Location	Project Number:	Project Name:	Phone: (43	City, State ZIP: Mic	
WWW A	Relinquished by: (Signature)	Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresour	9/26/2023	9/26/2023	9/26/2023	9/26/2023	9/26/2023	9/26/2023	9/26/2023	9/26/2023	9/26/2023	9/26/2023	cation Date	(	Yes No N/A	Yes (No )N/A	Yes No	Temp Blank:		MM	Eddy County, New Mexico	2109	Deep Elm AST Spill (Pipeline Road)	(432) 813-6823	Midland, TX 79701	
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Deep Elm AST Spill (Pipeline Road)   Tim August   Time Roads   Time	M		CONTROL OF THE PROPERTY OF THE	T-17 (5.0')	T-17 (4.0")	T-17 (3.0')	T-17 (2.0')	T-17 (1.5')	T-17 (0-1")	. T-16 (4.0')	T-16 (3.0')	T-16 (2.0')	T-16 (1.5')	Sample Identification	Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	PO#	Sampler's Name:	Project Location	Project Number:	Project Name:	Phone: (	City, State ZIP: N	Address: 3	Company Name: C	Project Manager: C
Program: UST/PST   PRP	wall M	Relinquished	Calliona Mical	0') 9/26/2023												Yes No	(No)	(es No			MM	Eddy County, New	2109	Deep Elm AST Spill (Pi	432) 813-6823	Midland, TX 79701	310 W Wall St Ste 500	Carmona Resources	Conner Moehring
Program: UST/PST   PRP		by: (Signature)	Carriona (Carriona											Time	Corrected Temp	Temperature Re	Correction Fact	Thermometer II		)		Mexico		peline Road)					
Program: UST/PST   PRP			resources.com	×	×	×	×	×	×	×	×	×	×	Soil	perature:	eading:	OF:		Wet lce:			Due Date:	Routine	Turn	Email				
Program: UST/PST   PRP			and conner	6	G	G	9	G	6	. 6	9	9	9		1	34.6	1.			)		72 Hours	✓ Rush	Around	Todd Wells@	City, State ZIP:	Address:	Company Name	Bill to: (it different)
Program: UST/PST   PRP	ف	D	moenring /	1	1	1	1	1	1	1	1	1	1				Pa	aram	eter	s			Code		eogresourc				
Program: UST/PST   PRP	10	ate/Time	C moenring@	×	×	×	×	×	×	×	×	×	×	ТРН	801	5M (	GR	0+1	ORO	+ M	RO)				es.com	Midland, Tx 797	5509 Champion	EOG Resource	Todd Wells
Program: UST/PST   PRP	8		carmonares	×	×	×	×	×	×	×	×	×	×			Ch	ioric	je 45	00						7	706	is Dr	s	
Work Order Comments  Fram: UST/PST   PRP	MODILL															_					_			ANALYS					
Work Order Comments  Fram: UST/PST   PRP	m	Receive																						IS REQUE	0	ZD.	S	P	
□RRP □RRP □RRP Other: reservatii C H <sub>2</sub> HP Ascorbic A		d by: (Signature)																						ST	eliverables: EDD	eporting:Level II Level II	tate of Project:	rogram: UST/PST   PRP	Work
RP R				90	6.8	8	5	308	53	2	33	3	Q	Sa	NaOH+A	Zn Aceta	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	NaHSO <sub>4</sub>	H.PO.	H-SO.: H	HCI HO	Cool: Co	None: N	Pri	ADaPT	□ST/UST		Prownfields	Order Comme
		Date/Time		1										Sample Comments	scorbic Acid: SAF	te+NaOH: Zn	: NaSO3	NABIS					O DI Water, H <sub>2</sub> O	eservative Code	Other:	RRP Level IV		RC □perfund	nts

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of

Company Name: Project Manager:

Conner Moehring

Bill to: (if different)

Todd Wells

**Work Order Comments** 

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	Chain of Custody
Work Order No: MACCARO	
Page 10	7 of 107

	L		Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com			. T-18 (4.0')	T-18 (3.0")	T-18 (2.0")	T-18 (1.5')	T-18 (0-1')	Sample Identification	Total Containers:	Sample Custody Seals	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	PO#:	Sampler's Name:	Project Location	Project Number:	Project Name:	Phone:	City, State ZIP:	Address:	Company Name:
	MMW	R	to Mike Carmo			.0')	.0')	.0')	.5")	-1')	tification		Yes	Yes No	(es)				Eddy C		Deep Elm A	(432) 813-6823	Midland, TX 79701	310 W Wall St Ste 500	Carmona Resources
-	6	elinquished t	na / Mcarmo			9/26/2023	9/26/2023	9/26/2023	9/26/2023	9/26/2023	Date		(No) N/A	N/A	No	Temp Blank:		MM	Eddy County, New Mexico	2109	Deep Elm AST Spill (Pipeline Road)		01	te 500	rces
		Relinquished by: (Signature)	)na@carmonar								Time	Corrected Temperature	Temperature Reading:	Correction Factor:	Thermometer ID:	Yes (No)	)		Mexico		eline Road)				
			esources.com			×	×	×	×	×	Soil	erature:	ading:	317		Wet Ice:			Due Date:	Routine	Turn	Email			
			and Conner				G	G	G	6	Water Comp	١	34.6	\	140	(es) No			72 Hours	√ Rush	Turn Around	Email: Todd Wells@eogresources.com	City, State ZIP:	Address:	Company Name
	98		Moehring	+	H	7	1	1	3 1	3 1	np Cont			Pa	aran	nete	rs			Code		@eogreso	3.7		ne:
	7:23	Date/Time	g / Cmoe	1		×	×	×	×	×			В	TEX	802	1B						urces.co	Midlan	5509 C	EOG F
	1059	me	hring@ca	+	H	×	×	×	×	×	TPI	H 801			0 + de 4		) + M	IRO	)	_		B	Midland, Tx 79706	5509 Champions Dr	EOG Resources
	~		rmonares	1																				)r	
	Sape		ources.c	$\pm$																	ANALY				
	ON!	Rec	om	+	H								_	_			_	_			ANALYSIS REQUEST				
	Cont	Received by: (Signature)																			UEST	Deliverables: EDD	Reporting:Level II Level III	State of Project:	Program: UST/PST PRP
				Ŧ		9	q <sub>L</sub>	q'z	90	9		NaO	Zn A	Na <sub>2</sub> S	NaH	H <sub>3</sub> P(	H <sub>2</sub> SI	HCL	Cool	Non		ADaPT	□ST/UST		rownfields
-						(2)		N	2		Sample	)H+Ascorbi	Zn Acetate+NaOH: Zn	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	NaHSO <sub>4</sub> : NABIS	H <sub>3</sub> PO <sub>4</sub> : HP	H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub>	HCL: HC	Cool: Cool	None: NO	Preserva	Other:	RRP		ls DRC
		Date/Time									Sample Comments	NaOH+Ascorbic Acid: SAPC	OH: Zn	) <sub>3</sub>	S		NaOH: Na	HNO3: HN	MeOH: Me	DI Water: H <sub>2</sub> O	Preservative Codes	a	Level IV		perfund

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

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 285925

### **CONDITIONS**

Operator:	OGRID:
EOG RESOURCES INC	7377
5509 Champions Drive	Action Number:
Midland, TX 79706	285925
	Action Type:
	[C-141] Release Corrective Action (C-141)

### CONDITIONS

Created By		Condition Date
scwells	Remediation plan approved. The alternative confirmation sampling plan taking confirmation samples no more than 400 square feet is approved. Submit closure report to the OCD by 6/4/2024.	3/6/2024